ANALYTICAL REPORT

Job Number: 160-564-1

Job Description: West Lake Landfill

For:
Engineering Management Support, Inc.
7220 W. Jefferson AVE
Suite 406
Lakewood, CO 80235

Attention: Mr. Paul Rosasco

Approved for release.
Lynn M Fussner
Project Manager I
9/18/2012 3:04 PM

Lynn M Fussner
Project Manager I
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09/18/2012

cc: Ms. Lyn Fitzgerald

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. Pursuant to NELAP, this report shall not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager.

The Lab Certification ID# is E87689.

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Table of Contents

Cover Title Page 1

Data Summaries 4

- Report Narrative 4
- Sample Summary 5
- Executive Summary 6
- Method Summary 7
- Method / Analyst Summary 8
- Sample Datasheets 9
- QC Data Summary 18
- Data Qualifiers 23
- QC Association Summary 24
- Lab Chronicle 25
- Reagent Traceability 28
- Certification Summary 29

Inorganic Sample Data 30

- General Chemistry Data 30
  - Gen Chem Cover Page 31
  - Gen Chem Sample Data 32
  - Gen Chem QC Data 41
    - Gen Chem ICV/CCV 41
    - Gen Chem Blanks 43
    - Gen Chem MS/MSD/PDS 44
    - Gen Chem LCS/LCSD 46
  - Gen Chem MDL 47
  - Gen Chem Analysis Run Log 49
  - Gen Chem Raw Data 53

Table of Contents

Gen Chem Prep Data 256

Shipping and Receiving Documents 260

Sample Receipt Checklist 261

CASE NARRATIVE
Client: Engineering Management Support, Inc.
Project: West Lake Landfill
Report Number: 160-564-1

TestAmerica St. Louis attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

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.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 08/09/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was C.

ANIONS

Samples PZ-113-AS (160-564-1), D-3 (160-564-2), PZ-112-AS (160-564-3), I-11 (160-564-4), PZ-207-AS (160-564-5), D-12 (160-564-6), PZ-305-AI (160-564-7), S-10 (160-564-8) and DUP 05 (160-564-9) were analyzed for anions in accordance with EPA Method 300.0. The samples were analyzed on 09/11/2012 and 09/12/2012.

Chloride was detected in method blank MB 160-11071/9 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Samples PZ-113-AS (160-564-1)[50X], D-3 (160-564-2)[200X], PZ-112-AS (160-564-3)[50X], I-11 (160-564-4)[100X], PZ-207-AS (160-564-5)[100X], D-12 (160-564-6)[100X], PZ-305-AI (160-564-7)[20X], S-10 (160-564-8)[100X] and DUP 05 (160-564-9)[200X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the anions analyses.

All other quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Engineering Management Support, Inc. Job Number: 160-564-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
160-564-1	PZ-113-AS	Water	08/08/2012 0935	08/09/2012 0810
160-564-2	D-3	Water	08/08/2012 1000	08/09/2012 0810
160-564-3	PZ-112-AS	Water	08/08/2012 1048	08/09/2012 0810
160-564-4	I-11	Water	08/08/2012 1143	08/09/2012 0810
160-564-5	PZ-207-AS	Water	08/08/2012 1255	08/09/2012 0810
160-564-6	D-12	Water	08/08/2012 1416	08/09/2012 0810
160-564-7	PZ-305-AI	Water	08/08/2012 1430	08/09/2012 0810
160-564-8	S-10	Water	08/08/2012 1502	08/09/2012 0810
160-564-9	DUP 05	Water	08/08/2012 1200	08/09/2012 0810

EXECUTIVE SUMMARY - Detections

Client: Engineering Management Support, Inc. Job Number: 160-564-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
160-564-1	**PZ-113-AS**					
Chloride		86	H B	10	mg/L	300.0
Sulfate		4.3	H	0.50	mg/L	300.0
160-564-2	**D-3**					
Chloride		240	H	40	mg/L	300.0
Sulfate		0.27	J H	0.50	mg/L	300.0
160-564-3	**PZ-112-AS**					
Nitrate as N		0.020	H	0.020	mg/L	300.0
Chloride		110	H	10	mg/L	300.0
Sulfate		0.42	J H	0.50	mg/L	300.0
160-564-4	**I-11**					
Chloride		180	H	20	mg/L	300.0
Sulfate		18	H	0.50	mg/L	300.0
160-564-5	**PZ-207-AS**					
Chloride		230	H	20	mg/L	300.0
Sulfate		0.28	J H	0.50	mg/L	300.0
160-564-6	**D-12**					
Chloride		250	H	20	mg/L	300.0
Sulfate		690	H	50	mg/L	300.0
160-564-7	**PZ-305-AI**					
Chloride		36	H	4.0	mg/L	300.0
Sulfate		1.3	H	0.50	mg/L	300.0
160-564-8	**S-10**					
Chloride		190	H	20	mg/L	300.0
Sulfate		920	H	50	mg/L	300.0
160-564-9	**DUP 05**					
Chloride		350	H	40	mg/L	300.0
Sulfate		0.26	J H	0.50	mg/L	300.0

METHOD SUMMARY

Client: Engineering Management Support, Inc. Job Number: 160-564-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Anions, Ion Chromatography	TAL SL	MCAWW 300.0	

Lab References:

TAL SL = TestAmerica St. Louis

Method References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

METHOD / ANALYST SUMMARY

Client: Engineering Management Support, Inc.

Job Number: 160-564-1

Method	Analyst	Analyst ID
MCAWW 300.0	Boyd, Jacob	JB

General Chemistry

Client Sample ID: **PZ-113-AS**

Lab Sample ID: 160-564-1 Date Sampled: 08/08/2012 0935
Client Matrix: Water Date Received: 08/09/2012 0810

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Nitrate as N	ND	H	mg/L	0.0040	0.020	1.0	300.0
Analysis Batch: 160-11071	Analysis Date: 09/11/2012 2344						
Chloride	86	H B	mg/L	1.0	10	50	300.0
Run Type: DL Analysis Batch: 160-11071	Analysis Date: 09/11/2012 2359						
Sulfate	4.3	H	mg/L	0.050	0.50	1.0	300.0
Analysis Batch: 160-11071	Analysis Date: 09/11/2012 2344						

General Chemistry

Client Sample ID: **D-3**

Lab Sample ID: 160-564-2 Date Sampled: 08/08/2012 1000
Client Matrix: Water Date Received: 08/09/2012 0810

Analyte		Result	Qual	Units	MDL	RL	Dil	Method
Nitrate as N		ND	H	mg/L	0.0040	0.020	1.0	300.0
	Analysis Batch: 160-11071		Analysis Date: 09/12/2012 0147					
Chloride		240	H	mg/L	4.0	40	200	300.0
Run Type: DL	Analysis Batch: 160-11075		Analysis Date: 09/12/2012 1254					
Sulfate		0.27	J H	mg/L	0.050	0.50	1.0	300.0
	Analysis Batch: 160-11071		Analysis Date: 09/12/2012 0147					

General Chemistry

Client Sample ID: **PZ-112-AS**

Lab Sample ID: 160-564-3 Date Sampled: 08/08/2012 1048
Client Matrix: Water Date Received: 08/09/2012 0810

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Nitrate as N	0.020	H	mg/L	0.0040	0.020	1.0	300.0
Analysis Batch: 160-11071	Analysis Date: 09/12/2012 0233						
Chloride	110	H	mg/L	1.0	10	50	300.0
Run Type: DL Analysis Batch: 160-11075	Analysis Date: 09/12/2012 1309						
Sulfate	0.42	J H	mg/L	0.050	0.50	1.0	300.0
Analysis Batch: 160-11071	Analysis Date: 09/12/2012 0233						

General Chemistry

Client Sample ID: **I-11**

Lab Sample ID: 160-564-4 Date Sampled: 08/08/2012 1143
Client Matrix: Water Date Received: 08/09/2012 0810

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Nitrate as N	ND	H	mg/L	0.0040	0.020	1.0	300.0
Analysis Batch: 160-11071	Analysis Date: 09/12/2012 0304						
Chloride	180	H	mg/L	2.0	20	100	300.0
Run Type: DL Analysis Batch: 160-11075	Analysis Date: 09/12/2012 1325						
Sulfate	18	H	mg/L	0.050	0.50	1.0	300.0
Analysis Batch: 160-11071	Analysis Date: 09/12/2012 0304						

General Chemistry

Client Sample ID: **PZ-207-AS**

Lab Sample ID: 160-564-5 Date Sampled: 08/08/2012 1255
Client Matrix: Water Date Received: 08/09/2012 0810

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Nitrate as N	ND	H	mg/L	0.0040	0.020	1.0	300.0
Analysis Batch: 160-11071	Analysis Date: 09/12/2012 0335						
Chloride	230	H	mg/L	2.0	20	100	300.0
Run Type: DL Analysis Batch: 160-11075	Analysis Date: 09/12/2012 1340						
Sulfate	0.28	J H	mg/L	0.050	0.50	1.0	300.0
Analysis Batch: 160-11071	Analysis Date: 09/12/2012 0335						

General Chemistry

Client Sample ID: **D-12**

Lab Sample ID: 160-564-6 Date Sampled: 08/08/2012 1416
Client Matrix: Water Date Received: 08/09/2012 0810

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Nitrate as N	ND	H	mg/L	0.0040	0.020	1.0	300.0
Analysis Batch: 160-11071	Analysis Date: 09/12/2012 0437						
Chloride	250	H	mg/L	2.0	20	100	300.0
Run Type: DL Analysis Batch: 160-11075	Analysis Date: 09/12/2012 1355						
Sulfate	690	H	mg/L	5.0	50	100	300.0
Run Type: DL Analysis Batch: 160-11071	Analysis Date: 09/12/2012 0452						

General Chemistry

Client Sample ID: **PZ-305-AI**

Lab Sample ID: 160-564-7 Date Sampled: 08/08/2012 1430
Client Matrix: Water Date Received: 08/09/2012 0810

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Nitrate as N	ND	H	mg/L	0.0040	0.020	1.0	300.0
Analysis Batch: 160-11071	Analysis Date: 09/12/2012 0508						
Chloride	36	H	mg/L	0.40	4.0	20	300.0
Run Type: DL Analysis Batch: 160-11075	Analysis Date: 09/12/2012 1411						
Sulfate	1.3	H	mg/L	0.050	0.50	1.0	300.0
Analysis Batch: 160-11071	Analysis Date: 09/12/2012 0508						

General Chemistry

Client Sample ID: **S-10**

Lab Sample ID: 160-564-8 Date Sampled: 08/08/2012 1502
Client Matrix: Water Date Received: 08/09/2012 0810

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Nitrate as N	ND	H	mg/L	0.0040	0.020	1.0	300.0
Analysis Batch: 160-11071	Analysis Date: 09/12/2012 0538						
Chloride	190	H	mg/L	2.0	20	100	300.0
Run Type: DL Analysis Batch: 160-11075	Analysis Date: 09/12/2012 1426						
Sulfate	920	H	mg/L	5.0	50	100	300.0
Run Type: DL Analysis Batch: 160-11071	Analysis Date: 09/12/2012 0554						

General Chemistry

Client Sample ID: **DUP 05**

Lab Sample ID: 160-564-9 Date Sampled: 08/08/2012 1200
Client Matrix: Water Date Received: 08/09/2012 0810

Analyte		Result	Qual	Units	MDL	RL	Dil	Method
Nitrate as N		ND	H	mg/L	0.0040	0.020	1.0	300.0
	Analysis Batch: 160-11071		Analysis Date: 09/12/2012 0609					
Chloride		350	H	mg/L	4.0	40	200	300.0
Run Type: DL	Analysis Batch: 160-11075		Analysis Date: 09/12/2012 1442					
Sulfate		0.26	J H	mg/L	0.050	0.50	1.0	300.0
	Analysis Batch: 160-11071		Analysis Date: 09/12/2012 0609					

Client: Engineering Management Support, Inc. Job Number: 160-564-1

Method Blank - Batch: 160-11071 **Method: 300.0**
Preparation: N/A

Lab Sample ID:	MB 160-11071/9	Analysis Batch:	160-11071	Instrument ID:	IC2500
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	108.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/11/2012 1937	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Nitrate as N	ND		0.0040	0.020
Chloride	0.0503	J	0.020	0.20
Sulfate	ND		0.050	0.50

Lab Control Sample - Batch: 160-11071 **Method: 300.0**
Preparation: N/A

Lab Sample ID:	LCS 160-11071/10	Analysis Batch:	160-11071	Instrument ID:	IC2500
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	109.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/11/2012 1953	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrate as N	0.400	0.396	99	90 - 110	
Chloride	2.00	2.06	103	90 - 110	
Sulfate	8.00	7.63	95	90 - 110	

Client: Engineering Management Support, Inc. Job Number: 160-564-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 160-11071

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	160-564-1	Analysis Batch:	160-11071	Instrument ID:	IC2500
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	126.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/12/2012 0015			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	160-564-1	Analysis Batch:	160-11071	Instrument ID:	IC2500
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	128.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/12/2012 0046			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrate as N	102	98	90 - 110	4	20		
Sulfate	98	94	90 - 110	2	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 160-11071

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	160-564-1DL	Analysis Batch:	160-11071	Instrument ID:	IC2500
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	127.TXT
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/12/2012 0030	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	160-564-1DL	Analysis Batch:	160-11071	Instrument ID:	IC2500
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	129.TXT
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/12/2012 0101	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride	108	104	90 - 110	2	20		

Client: Engineering Management Support, Inc. Job Number: 160-564-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 160-11071

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	160-564-1	Units: mg/L	MSD Lab Sample ID:	160-564-1
Client Matrix:	Water		Client Matrix:	Water
Dilution:	1.0		Dilution:	1.0
Analysis Date:	09/12/2012 0015		Analysis Date:	09/12/2012 0046
Prep Date:	N/A		Prep Date:	N/A
Leach Date:	N/A		Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Nitrate as N	ND	0.400	0.400	0.406	0.390
Sulfate	4.3	4.00	4.00	8.22	8.03

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 160-11071

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	160-564-1DL	Units: mg/L	MSD Lab Sample ID:	160-564-1DL
Client Matrix:	Water		Client Matrix:	Water
Dilution:	50		Dilution:	50
Analysis Date:	09/12/2012 0030		Analysis Date:	09/12/2012 0101
Prep Date:	N/A		Prep Date:	N/A
Leach Date:	N/A		Leach Date:	N/A
Run Type:	DL		Run Type:	DL

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Chloride	86	100	100	194	190

Client: Engineering Management Support, Inc. Job Number: 160-564-1

Method Blank - Batch: 160-11075 **Method: 300.0**
Preparation: N/A

Lab Sample ID:	MB 160-11075/9	Analysis Batch:	160-11075	Instrument ID:	IC2500
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	108.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/12/2012 1223	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Nitrate as N	ND		0.0040	0.020
Chloride	ND		0.020	0.20
Sulfate	ND		0.050	0.50

Lab Control Sample - Batch: 160-11075 **Method: 300.0**
Preparation: N/A

Lab Sample ID:	LCS 160-11075/10	Analysis Batch:	160-11075	Instrument ID:	IC2500
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	109.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/12/2012 1238	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrate as N	0.400	0.382	96	90 - 110	
Chloride	2.00	1.95	98	90 - 110	
Sulfate	8.00	7.54	94	90 - 110	

Matrix Spike - Batch: 160-11075 **Method: 300.0**
Preparation: N/A

Lab Sample ID:	160-563-A-3 MS	Analysis Batch:	160-11075	Instrument ID:	IC2500
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	128.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/12/2012 1731	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Nitrate as N	0.035	0.400	0.411	94	90 - 110	
Chloride	3.7	2.00	5.70	101	90 - 110	

Client: Engineering Management Support, Inc. Job Number: 160-564-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 160-11075

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	160-563-A-4 MS ^50DL2	Analysis Batch:	160-11075	Instrument ID:	IC2500
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	137.TXT
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/12/2012 1950	Run Type:	DL2	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	160-563-A-4 MSD ^50DL2	Analysis Batch:	160-11075	Instrument ID:	IC2500
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	140.TXT
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/12/2012 2036	Run Type:	DL2	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride	99	102	90 - 110	1	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 160-11075

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	160-563-A-4 MS ^50DL2	Units: mg/L	
Client Matrix:	Water		
Dilution:	50		
Analysis Date:	09/12/2012 1950		
Prep Date:	N/A		
Leach Date:	N/A		
Run Type:	DL2		

MSD Lab Sample ID:	160-563-A-4 MSD ^50DL2
Client Matrix:	Water
Dilution:	50
Analysis Date:	09/12/2012 2036
Prep Date:	N/A
Leach Date:	N/A
Run Type:	DL2

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Chloride	58	100	100	157	159

DATA REPORTING QUALIFIERS

Client: Engineering Management Support, Inc. Job Number: 160-564-1

Lab Section	Qualifier	Description
General Chemistry		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	H	Sample was prepped or analyzed beyond the specified holding time

Client: Engineering Management Support, Inc. Job Number: 160-564-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:160-11071					
LCS 160-11071/10	Lab Control Sample	T	Water	300.0	
MB 160-11071/9	Method Blank	T	Water	300.0	
160-564-1	PZ-113-AS	T	Water	300.0	
160-564-1DL	PZ-113-AS	T	Water	300.0	
160-564-1MS	Matrix Spike	T	Water	300.0	
160-564-1MSDL	Matrix Spike	T	Water	300.0	
160-564-1MSD	Matrix Spike Duplicate	T	Water	300.0	
160-564-1MSDDL	Matrix Spike Duplicate	T	Water	300.0	
160-564-2	D-3	T	Water	300.0	
160-564-2DL	D-3	T	Water	300.0	
160-564-2DL2	D-3	T	Water	300.0	
160-564-3	PZ-112-AS	T	Water	300.0	
160-564-3DL	PZ-112-AS	T	Water	300.0	
160-564-4	I-11	T	Water	300.0	
160-564-4DL	I-11	T	Water	300.0	
160-564-5	PZ-207-AS	T	Water	300.0	
160-564-5DL	PZ-207-AS	T	Water	300.0	
160-564-6	D-12	T	Water	300.0	
160-564-6DL	D-12	T	Water	300.0	
160-564-7	PZ-305-AI	T	Water	300.0	
160-564-7DL	PZ-305-AI	T	Water	300.0	
160-564-8	S-10	T	Water	300.0	
160-564-8DL	S-10	T	Water	300.0	
160-564-9	DUP 05	T	Water	300.0	
160-564-9DL	DUP 05	T	Water	300.0	
Analysis Batch:160-11075					
LCS 160-11075/10	Lab Control Sample	T	Water	300.0	
MB 160-11075/9	Method Blank	T	Water	300.0	
160-563-A-3 MS	Matrix Spike	T	Water	300.0	
160-563-A-4 MS ^50DL2	Matrix Spike	T	Water	300.0	
160-563-A-4 MSD	Matrix Spike Duplicate	T	Water	300.0	
160-563-A-4 MSD ^50DL2	Matrix Spike Duplicate	T	Water	300.0	
160-564-2DL	D-3	T	Water	300.0	
160-564-3DL	PZ-112-AS	T	Water	300.0	
160-564-4DL	I-11	T	Water	300.0	
160-564-5DL	PZ-207-AS	T	Water	300.0	
160-564-6DL	D-12	T	Water	300.0	
160-564-7DL	PZ-305-AI	T	Water	300.0	
160-564-8DL	S-10	T	Water	300.0	
160-564-9DL	DUP 05	T	Water	300.0	

Report Basis

T = Total

Client: Engineering Management Support, Inc. Job Number: 160-564-1

Laboratory Chronicle

Lab ID: 160-564-1 **Client ID:** PZ-113-AS

Sample Date/Time: 08/08/2012 09:35 Received Date/Time: 08/09/2012 08:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	160-564-A-1		160-11071		09/11/2012 23:44	1	TAL SL	JB
A:300.0	160-564-A-1 ^50	DL	160-11071		09/11/2012 23:59	50	TAL SL	JB

Lab ID: 160-564-1 MS **Client ID:** PZ-113-AS

Sample Date/Time: 08/08/2012 09:35 Received Date/Time: 08/09/2012 08:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	160-564-A-1 MS		160-11071		09/12/2012 00:15	1	TAL SL	JB
A:300.0	160-564-A-1 MS ^50	DL	160-11071		09/12/2012 00:30	50	TAL SL	JB

Lab ID: 160-564-1 MSD **Client ID:** PZ-113-AS

Sample Date/Time: 08/08/2012 09:35 Received Date/Time: 08/09/2012 08:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	160-564-A-1 MSD		160-11071		09/12/2012 00:46	1	TAL SL	JB
A:300.0	160-564-A-1 MSD ^50	DL	160-11071		09/12/2012 01:01	50	TAL SL	JB

Lab ID: 160-564-2 **Client ID:** D-3

Sample Date/Time: 08/08/2012 10:00 Received Date/Time: 08/09/2012 08:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	160-564-A-2		160-11071		09/12/2012 01:47	1	TAL SL	JB
A:300.0	160-564-A-2 ^200	DL	160-11075		09/12/2012 12:54	200	TAL SL	JB

Lab ID: 160-564-3 **Client ID:** PZ-112-AS

Sample Date/Time: 08/08/2012 10:48 Received Date/Time: 08/09/2012 08:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	160-564-A-3		160-11071		09/12/2012 02:33	1	TAL SL	JB
A:300.0	160-564-A-3 ^50	DL	160-11075		09/12/2012 13:09	50	TAL SL	JB

Lab ID: 160-564-4 **Client ID:** I-11

Sample Date/Time: 08/08/2012 11:43 Received Date/Time: 08/09/2012 08:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	160-564-A-4		160-11071		09/12/2012 03:04	1	TAL SL	JB
A:300.0	160-564-A-4 ^100	DL	160-11075		09/12/2012 13:25	100	TAL SL	JB

Client: Engineering Management Support, Inc. Job Number: 160-564-1

Laboratory Chronicle

Lab ID: 160-564-5 **Client ID:** PZ-207-AS

Sample Date/Time: 08/08/2012 12:55 Received Date/Time: 08/09/2012 08:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	160-564-A-5		160-11071		09/12/2012 03:35	1	TAL SL	JB
A:300.0	160-564-A-5 ^100	DL	160-11075		09/12/2012 13:40	100	TAL SL	JB

Lab ID: 160-564-6 **Client ID:** D-12

Sample Date/Time: 08/08/2012 14:16 Received Date/Time: 08/09/2012 08:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	160-564-A-6		160-11071		09/12/2012 04:37	1	TAL SL	JB
A:300.0	160-564-A-6 ^100	DL	160-11071		09/12/2012 04:52	100	TAL SL	JB
A:300.0	160-564-A-6 ^100	DL	160-11075		09/12/2012 13:55	100	TAL SL	JB

Lab ID: 160-564-7 **Client ID:** PZ-305-AI

Sample Date/Time: 08/08/2012 14:30 Received Date/Time: 08/09/2012 08:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	160-564-A-7		160-11071		09/12/2012 05:08	1	TAL SL	JB
A:300.0	160-564-A-7 ^20	DL	160-11075		09/12/2012 14:11	20	TAL SL	JB

Lab ID: 160-564-8 **Client ID:** S-10

Sample Date/Time: 08/08/2012 15:02 Received Date/Time: 08/09/2012 08:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	160-564-A-8		160-11071		09/12/2012 05:38	1	TAL SL	JB
A:300.0	160-564-A-8 ^100	DL	160-11071		09/12/2012 05:54	100	TAL SL	JB
A:300.0	160-564-A-8 ^100	DL	160-11075		09/12/2012 14:26	100	TAL SL	JB

Lab ID: 160-564-9 **Client ID:** DUP 05

Sample Date/Time: 08/08/2012 12:00 Received Date/Time: 08/09/2012 08:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	160-564-A-9		160-11071		09/12/2012 06:09	1	TAL SL	JB
A:300.0	160-564-A-9 ^200	DL	160-11075		09/12/2012 14:42	200	TAL SL	JB

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
A:300.0	MB 160-11071/9		160-11071		09/11/2012 19:37	1	TAL SL	JB
A:300.0	MB 160-11075/9		160-11075		09/12/2012 12:23	1	TAL SL	JB

Client: Engineering Management Support, Inc. Job Number: 160-564-1

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
A:300.0	LCS 160-11071/10		160-11071		09/11/2012 19:53	1	TAL SL	JB
A:300.0	LCS 160-11075/10		160-11075		09/12/2012 12:38	1	TAL SL	JB

Lab ID: **MS** **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
A:300.0	160-563-A-3 MS		160-11075		09/12/2012 17:31	1	TAL SL	JB
A:300.0	160-563-A-4 MS ^50	DL2	160-11075		09/12/2012 19:50	50	TAL SL	JB

Lab ID: **MSD** **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
A:300.0	160-563-A-4 MSD		160-11075		09/12/2012 20:05	1	TAL SL	JB
A:300.0	160-563-A-4 MSD ^50	DL2	160-11075		09/12/2012 20:36	50	TAL SL	JB

Lab References:
TAL SL = TestAmerica St. Louis

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica St. Louis Job No.: 160-564-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
IC 2nd Source_00002	08/28/13	Inorganic Ventures, Lot D2-MEB430132			(Purchased Reagent)		Chloride	5000 ug/L
							Nitrate as N	1000 ug/L
							Sulfate	20000 ug/L
IC Cal High_00007	08/28/13	Inorganic Ventures, Lot E2-MEB433119			(Purchased Reagent)		Chloride	5000 ug/L
							Nitrate as N	1000 ug/L
							Sulfate	20000 ug/L
IC MS Soln_00002	02/07/13	Inorganic Ventures, Lot F2-MEB408149			(Purchased Reagent)		Chloride	100 ug/mL
							Nitrate as N	20 ug/mL
							Sulfate	200 ug/mL

Certification Summary

Client: Engineering Management Support, Inc.
Project/Site: West Lake Landfill

TestAmerica Job ID: 160-564-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica St. Louis	Alaska	State Program	10	MO54-08
TestAmerica St. Louis	California	NELAC	9	2542
TestAmerica St. Louis	Connecticut	State Program	1	PH-0241
TestAmerica St. Louis	Florida	NELAC	4	E87689
TestAmerica St. Louis	Illinois	NELAC	5	200023
TestAmerica St. Louis	Iowa	State Program	7	373
TestAmerica St. Louis	Kansas	NELAC	7	E-10236
TestAmerica St. Louis	Kentucky	State Program	4	90125
TestAmerica St. Louis	L-A-B	DoD ELAP		L2305
TestAmerica St. Louis	Louisiana	NELAC	6	106151
TestAmerica St. Louis	Louisiana	NELAC	6	LA070016
TestAmerica St. Louis	Maryland	State Program	3	310
TestAmerica St. Louis	Missouri	State Program	7	780
TestAmerica St. Louis	Nevada	State Program	9	MO000542009A
TestAmerica St. Louis	New Jersey	NELAC	2	MO002
TestAmerica St. Louis	New York	NELAC	2	11616
TestAmerica St. Louis	NRC	NRC		24-24817-01
TestAmerica St. Louis	Pennsylvania	NELAC	3	68-00540
TestAmerica St. Louis	South Carolina	State Program	4	85002
TestAmerica St. Louis	Texas	NELAC	6	T104704193-08A-TX
TestAmerica St. Louis	USDA	Federal		P330-07-00122
TestAmerica St. Louis	USEPA Reg V SDWA	Federal	1	N/A
TestAmerica St. Louis	Utah	NELAC	8	QUAN4
TestAmerica St. Louis	Virginia	NELAC	3	460230
TestAmerica St. Louis	Washington	State Program	10	C1310
TestAmerica St. Louis	West Virginia DEP	State Program	3	381

Accreditation may not be offered or required for all methods and analytes reported in this package Please contact your project manager for the laboratory's current list of certified methods and analytes.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica St. Louis Job Number: 160-564-1

SDG No.:

Project: West Lake Landfill

Client Sample ID	Lab Sample ID
PZ-113-AS	160-564-1
PZ-113-AS	160-564-1 DL
D-3	160-564-2
D-3	160-564-2 DL
PZ-112-AS	160-564-3
PZ-112-AS	160-564-3 DL
I-11	160-564-4
I-11	160-564-4 DL
PZ-207-AS	160-564-5
PZ-207-AS	160-564-5 DL
D-12	160-564-6
D-12	160-564-6 DL
PZ-305-AI	160-564-7
PZ-305-AI	160-564-7 DL
S-10	160-564-8
S-10	160-564-8 DL
DUP 05	160-564-9
DUP 05	160-564-9 DL

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PZ-113-AS
Lab Sample ID: 160-564-1
Lab Name: TestAmerica St. Louis
Job No.: 160-564-1
SDG ID.:
Matrix: Water
Date Sampled: 08/08/2012 09:35
Reporting Basis: WET
Date Received: 08/09/2012 08:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
14797-55-8	Nitrate as N	ND	0.020	0.0040	mg/L		H	1	300.0
16887-00-6	Chloride	86	10	1.0	mg/L		H B	50	300.0
14808-79-8	Sulfate	4.3	0.50	0.050	mg/L		H	1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: D-3
Lab Sample ID: 160-564-2
Lab Name: TestAmerica St. Louis
Job No.: 160-564-1
SDG ID.:
Matrix: Water
Date Sampled: 08/08/2012 10:00
Reporting Basis: WET
Date Received: 08/09/2012 08:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
14797-55-8	Nitrate as N	ND	0.020	0.0040	mg/L		H	1	300.0
16887-00-6	Chloride	240	40	4.0	mg/L		H	200	300.0
14808-79-8	Sulfate	0.27	0.50	0.050	mg/L	J	H	1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PZ-112-AS
Lab Sample ID: 160-564-3
Lab Name: TestAmerica St. Louis
Job No.: 160-564-1
SDG ID.:
Matrix: Water
Date Sampled: 08/08/2012 10:48
Reporting Basis: WET
Date Received: 08/09/2012 08:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
14797-55-8	Nitrate as N	0.020	0.020	0.0040	mg/L		H	1	300.0
16887-00-6	Chloride	110	10	1.0	mg/L		H	50	300.0
14808-79-8	Sulfate	0.42	0.50	0.050	mg/L	J	H	1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: I-11
Lab Sample ID: 160-564-4
Lab Name: TestAmerica St. Louis
Job No.: 160-564-1
SDG ID.:
Matrix: Water
Date Sampled: 08/08/2012 11:43
Reporting Basis: WET
Date Received: 08/09/2012 08:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
14797-55-8	Nitrate as N	ND	0.020	0.0040	mg/L		H	1	300.0
16887-00-6	Chloride	180	20	2.0	mg/L		H	100	300.0
14808-79-8	Sulfate	18	0.50	0.050	mg/L		H	1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PZ-207-AS
Lab Sample ID: 160-564-5
Lab Name: TestAmerica St. Louis
Job No.: 160-564-1
SDG ID.:
Matrix: Water
Date Sampled: 08/08/2012 12:55
Reporting Basis: WET
Date Received: 08/09/2012 08:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
14797-55-8	Nitrate as N	ND	0.020	0.0040	mg/L		H	1	300.0
16887-00-6	Chloride	230	20	2.0	mg/L		H	100	300.0
14808-79-8	Sulfate	0.28	0.50	0.050	mg/L	J	H	1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: D-12
Lab Sample ID: 160-564-6
Lab Name: TestAmerica St. Louis
Job No.: 160-564-1
SDG ID.:
Matrix: Water
Date Sampled: 08/08/2012 14:16
Reporting Basis: WET
Date Received: 08/09/2012 08:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
14797-55-8	Nitrate as N	ND	0.020	0.0040	mg/L		H	1	300.0
16887-00-6	Chloride	250	20	2.0	mg/L		H	100	300.0
14808-79-8	Sulfate	690	50	5.0	mg/L		H	100	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PZ-305-AI
Lab Sample ID: 160-564-7
Lab Name: TestAmerica St. Louis
Job No.: 160-564-1
SDG ID.:
Matrix: Water
Date Sampled: 08/08/2012 14:30
Reporting Basis: WET
Date Received: 08/09/2012 08:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
14797-55-8	Nitrate as N	ND	0.020	0.0040	mg/L		H	1	300.0
16887-00-6	Chloride	36	4.0	0.40	mg/L		H	20	300.0
14808-79-8	Sulfate	1.3	0.50	0.050	mg/L		H	1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: S-10
Lab Sample ID: 160-564-8
Lab Name: TestAmerica St. Louis
Job No.: 160-564-1
SDG ID.:
Matrix: Water
Date Sampled: 08/08/2012 15:02
Reporting Basis: WET
Date Received: 08/09/2012 08:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
14797-55-8	Nitrate as N	ND	0.020	0.0040	mg/L		H	1	300.0
16887-00-6	Chloride	190	20	2.0	mg/L		H	100	300.0
14808-79-8	Sulfate	920	50	5.0	mg/L		H	100	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: DUP 05
Lab Sample ID: 160-564-9
Lab Name: TestAmerica St. Louis
Job No.: 160-564-1
SDG ID.:
Matrix: Water
Date Sampled: 08/08/2012 12:00
Reporting Basis: WET
Date Received: 08/09/2012 08:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
14797-55-8	Nitrate as N	ND	0.020	0.0040	mg/L		H	1	300.0
16887-00-6	Chloride	350	40	4.0	mg/L		H	200	300.0
14808-79-8	Sulfate	0.26	0.50	0.050	mg/L	J	H	1	300.0

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica St. Louis Job No.: 160-564-1

SDG No.:

Analyst: JB Batch Start Date: 09/11/2012

Reporting Units: mg/L Analytical Batch No.: 11071

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
7	ICV	19:06	Nitrate as N	0.384	0.400	96	90-110		IC 2nd Source_00002
			Chloride	1.93	2.00	96	90-110		IC 2nd Source_00002
			Sulfate	7.55	8.00	94	90-110		IC 2nd Source_00002
8	ICB	19:22	Nitrate as N	ND					
			Chloride	ND					
			Sulfate	ND					
19	CCV	22:11	Nitrate as N	0.413	0.400	103	90-110		IC Cal High_00007
			Chloride	2.14	2.00	107	90-110		IC Cal High_00007
			Sulfate	7.60	8.00	95	90-110		IC Cal High_00007
20	CCB	22:27	Nitrate as N	ND					
			Chloride	0.0688				J	
			Sulfate	ND					
31	CCV	01:16	Nitrate as N	0.398	0.400	100	90-110		IC Cal High_00007
			Chloride	2.16	2.00	108	90-110		IC Cal High_00007
			Sulfate	7.31	8.00	91	90-110		IC Cal High_00007
32	CCB	01:32	Nitrate as N	ND					
			Chloride	0.0883				J	
			Sulfate	ND					
42	CCV	04:06	Nitrate as N	0.403	0.400	101	90-110		IC Cal High_00007
			Sulfate	7.22	8.00	90	90-110		IC Cal High_00007
43	CCB	04:21	Nitrate as N	ND					
			Sulfate	ND					
52	CCV	06:40	Nitrate as N	0.423	0.400	106	90-110		IC Cal High_00007
			Sulfate	8.19	8.00	102	90-110		IC Cal High_00007
53	CCB	06:56	Nitrate as N	ND					
			Sulfate	ND					

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 St. Louis Job No.: 160-564-1

SDG No.:

Analyst: JB Batch Start Date: 09/12/2012

Reporting Units: mg/L Analytical Batch No.: 11075

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
7	ICV	11:52	Nitrate as N	0.378	0.400	94	90-110		IC 2nd Source_00002
			Chloride	1.93	2.00	96	90-110		IC 2nd Source_00002
			Sulfate	7.55	8.00	94	90-110		IC 2nd Source_00002
8	ICB	12:07	Nitrate as N	ND					
			Chloride	ND					
			Sulfate	ND					
19	CCV	14:57	Nitrate as N	0.385	0.400	96	90-110		IC Cal High_00007
			Chloride	2.04	2.00	102	90-110		IC Cal High_00007
			Sulfate	7.69	8.00	96	90-110		IC Cal High_00007
20	CCB	15:12	Nitrate as N	ND					
			Chloride	ND					
			Sulfate	ND					
31	CCV	18:02	Nitrate as N	0.380	0.400	95	90-110		IC Cal High_00007
			Chloride	1.99	2.00	99	90-110		IC Cal High_00007
			Sulfate	7.64	8.00	96	90-110		IC Cal High_00007
32	CCB	18:17	Nitrate as N	ND					
			Chloride	ND					
			Sulfate	ND					
42	CCV	20:52	Nitrate as N	0.389	0.400	97	90-110		IC Cal High_00007
			Chloride	2.02	2.00	101	90-110		IC Cal High_00007
			Sulfate	7.70	8.00	96	90-110		IC Cal High_00007
43	CCB	21:07	Nitrate as N	ND					
			Chloride	ND					
			Sulfate	ND					

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 St. Louis Job No.: 160-564-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 11071	Date: 09/11/2012 19:37						
300.0	MB 160-11071/9	Nitrate as N	ND		mg/L	0.020	1
300.0	MB 160-11071/9	Chloride	0.0503	J	mg/L	0.20	1
300.0	MB 160-11071/9	Sulfate	ND		mg/L	0.50	1
Batch ID: 11075	Date: 09/12/2012 12:23						
300.0	MB 160-11075/9	Nitrate as N	ND		mg/L	0.020	1
300.0	MB 160-11075/9	Chloride	ND		mg/L	0.20	1
300.0	MB 160-11075/9	Sulfate	ND		mg/L	0.50	1

FORM III-IN

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica St. Louis Job No.: 160-564-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 11071	Date: 09/12/2012 00:15										
300.0	160-564-1	Nitrate as N	ND		mg/L						H
300.0	160-564-1 MS	Nitrate as N	0.406		mg/L	0.400	102	90-110			
300.0	160-564-1	Sulfate	4.3		mg/L						H
300.0	160-564-1 MS	Sulfate	8.22		mg/L	4.00	98	90-110			
Batch ID: 11071	Date: 09/12/2012 00:30										
300.0	160-564-1	Chloride	86		mg/L						H B
300.0	160-564-1 MS DL	Chloride	194		mg/L	100	108	90-110			
Batch ID: 11075	Date: 09/12/2012 17:31										
300.0	160-563-A-3	Nitrate as N	0.035		mg/L						
300.0	160-563-A-3 MS	Nitrate as N	0.411		mg/L	0.400	94	90-110			
300.0	160-563-A-3	Chloride	3.7		mg/L						
300.0	160-563-A-3 MS	Chloride	5.70		mg/L	2.00	101	90-110			
Batch ID: 11075	Date: 09/12/2012 19:50										
300.0	160-563-A-4 ^50	Chloride	58		mg/L						
300.0	160-563-A-4 MS ^50 DL2	Chloride	157		mg/L	100	99	90-110			

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

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica St. Louis Job No.: 160-564-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 11071	Date: 09/12/2012 00:46										
300.0	160-564-1 MSD	Nitrate as N	0.390		mg/L	0.400	98	90-110	4	20	
300.0	160-564-1 MSD	Sulfate	8.03		mg/L	4.00	94	90-110	2	20	
Batch ID: 11071	Date: 09/12/2012 01:01										
300.0	160-564-1 MSD DL	Chloride	190		mg/L	100	104	90-110	2	20	
Batch ID: 11075	Date: 09/12/2012 20:05										
300.0	160-563-A-4 MSD	Nitrate as N	0.381		mg/L	0.400	94	90-110	1	20	
Batch ID: 11075	Date: 09/12/2012 20:36										
300.0	160-563-A-4 MSD ^50 DL2	Chloride	159		mg/L	100	102	90-110	1	20	

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

FORM V-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica St. Louis Job No.: 160-564-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 11071		Date: 09/11/2012 19:53									
						LCS Source:	IC 2nd Source_00002				
300.0	LCS 160-11071/10	Nitrate as N	0.396		mg/L	0.400	99	90-110			
300.0	LCS 160-11071/10	Chloride	2.06		mg/L	2.00	103	90-110			
300.0	LCS 160-11071/10	Sulfate	7.63		mg/L	8.00	95	90-110			
Batch ID: 11075		Date: 09/12/2012 12:38									
						LCS Source:	IC 2nd Source_00002				
300.0	LCS 160-11075/10	Nitrate as N	0.382		mg/L	0.400	96	90-110			
300.0	LCS 160-11075/10	Chloride	1.95		mg/L	2.00	98	90-110			
300.0	LCS 160-11075/10	Sulfate	7.54		mg/L	8.00	94	90-110			

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 St. Louis Job Number: 160-564-1

SDG Number:

Matrix: Water Instrument ID: IC2500

Method: 300.0 MDL Date: 01/18/2012 14:04

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Chloride		0.2	0.02
Nitrate as N		0.02	0.004
Sulfate		0.5	0.05

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica St. Louis Job Number: 160-564-1

SDG Number:

Matrix: Water Instrument ID: IC2500

Method: 300.0 XMDL Date: 01/18/2012 14:07

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Chloride		0.2	0.02
Nitrate as N		0.02	0.004
Sulfate		0.5	0.05

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica St. Louis Job No.: 160-564-1

SDG No.:

Instrument ID: IC2500 Method: 300.0

Start Date: 09/11/2012 17:34 End Date: 09/12/2012 06:56

Lab Sample ID	D/F	Type	Time	Analytes																			
				CL-	NO3	SO4																	
IC 160-11071/1			17:34	X	X	X																	
IC 160-11071/2			17:49	X	X	X																	
IC 160-11071/3			18:05	X	X	X																	
IC 160-11071/4			18:20	X	X	X																	
IC 160-11071/5			18:36	X	X	X																	
IC 160-11071/6			18:51	X	X	X																	
ICV 160-11071/7	1		19:06	X	X	X																	
ICB 160-11071/8	1		19:22	X	X	X																	
MB 160-11071/9	1	T	19:37	X	X	X																	
LCS 160-11071/10	1	T	19:53	X	X	X																	
ZZZZZZ			20:08																				
ZZZZZZ			20:23																				
ZZZZZZ			20:39																				
ZZZZZZ			20:54																				
ZZZZZZ			21:10																				
ZZZZZZ			21:25																				
ZZZZZZ			21:41																				
ZZZZZZ			21:56																				
CCV 160-11071/19	1		22:11	X	X	X																	
CCB 160-11071/20	1		22:27	X	X	X																	
ZZZZZZ			22:42																				
ZZZZZZ			22:58																				
ZZZZZZ			23:13																				
ZZZZZZ			23:28																				
160-564-1	1	T	23:44		X	X																	
160-564-1 DL	50	T	23:59	X																			
160-564-1 MS	1	T	00:15		X	X																	
160-564-1 MS DL	50	T	00:30	X																			
160-564-1 MSD	1	T	00:46		X	X																	
160-564-1 MSD DL	50	T	01:01	X																			
CCV 160-11071/31	1		01:16	X	X	X																	
CCB 160-11071/32	1		01:32	X	X	X																	
160-564-2	1	T	01:47		X	X																	
ZZZZZZ			02:03																				
ZZZZZZ			02:18																				
160-564-3	1	T	02:33		X	X																	
ZZZZZZ			02:49																				
160-564-4	1	T	03:04		X	X																	
ZZZZZZ			03:20																				
160-564-5	1	T	03:35		X	X																	
ZZZZZZ			03:51																				
CCV 160-11071/42	1		04:06		X	X																	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica St. Louis Job No.: 160-564-1

SDG No.:

Instrument ID: IC2500 Method: 300.0

Start Date: 09/11/2012 17:34 End Date: 09/12/2012 06:56

Lab Sample ID	D/F	Type	Time	Analytes																			
				CL-	NO3	SO4																	
CCB 160-11071/43	1		04:21		X	X																	
160-564-6	1	T	04:37		X																		
160-564-6 DL	100	T	04:52			X																	
160-564-7	1	T	05:08		X	X																	
ZZZZZZ			05:23																				
160-564-8	1	T	05:38		X																		
160-564-8 DL	100	T	05:54			X																	
160-564-9	1	T	06:09		X	X																	
ZZZZZZ			06:25																				
CCV 160-11071/52	1		06:40		X	X																	
CCB 160-11071/53	1		06:56		X	X																	

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica St. Louis Job No.: 160-564-1

SDG No.:

Instrument ID: IC2500 Method: 300.0

Start Date: 09/12/2012 10:20 End Date: 09/13/2012 00:12

Lab Sample ID	D/F	Type	Time	Analytes																			
				CL-	NO3	SO4																	
IC 160-11075/1			10:20	X	X	X																	
IC 160-11075/2			10:35	X	X	X																	
IC 160-11075/3			10:50	X	X	X																	
IC 160-11075/4			11:06	X	X	X																	
IC 160-11075/5			11:21	X	X	X																	
IC 160-11075/6			11:37	X	X	X																	
ICV 160-11075/7	1		11:52	X	X	X																	
ICB 160-11075/8	1		12:07	X	X	X																	
MB 160-11075/9	1	T	12:23	X	X	X																	
LCS 160-11075/10	1	T	12:38	X	X	X																	
160-564-2 DL	200	T	12:54	X																			
160-564-3 DL	50	T	13:09	X																			
160-564-4 DL	100	T	13:25	X																			
160-564-5 DL	100	T	13:40	X																			
160-564-6 DL	100	T	13:55	X																			
160-564-7 DL	20	T	14:11	X																			
160-564-8 DL	100	T	14:26	X																			
160-564-9 DL	200	T	14:42	X																			
CCV 160-11075/19	1		14:57	X	X	X																	
CCB 160-11075/20	1		15:12	X	X	X																	
ZZZZZZ			15:28																				
ZZZZZZ			15:43																				
ZZZZZZ			15:59																				
ZZZZZZ			16:14																				
ZZZZZZ			16:30																				
ZZZZZZ			16:45																				
ZZZZZZ			17:00																				
ZZZZZZ			17:16																				
160-563-A-3 MS	1	T	17:31	X	X																		
ZZZZZZ			17:47																				
CCV 160-11075/31	1		18:02	X	X	X																	
CCB 160-11075/32	1		18:17	X	X	X																	
ZZZZZZ			18:33																				
ZZZZZZ			18:48																				
ZZZZZZ			19:04																				
ZZZZZZ			19:19																				
ZZZZZZ			19:35																				
160-563-A-4 MS ^50 DL2	50	T	19:50	X																			
160-563-A-4 MSD	1	T	20:05		X																		
ZZZZZZ			20:21																				
160-563-A-4 MSD ^50 DL2	50	T	20:36	X																			

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica St. Louis Job No.: 160-564-1

SDG No.:

Instrument ID: IC2500 Method: 300.0

Start Date: 09/12/2012 10:20 End Date: 09/13/2012 00:12

Lab Sample ID	D/F	Type	Time	Analytes																			
				CL-	NO3	SO4																	
CCV 160-11075/42	1		20:52	X	X	X																	
CCB 160-11075/43	1		21:07	X	X	X																	
ZZZZZZ			21:22																				
ZZZZZZ			21:38																				
ZZZZZZ			21:53																				
ZZZZZZ			22:09																				
ZZZZZZ			22:24																				
ZZZZZZ			22:40																				
ZZZZZZ			22:55																				
ZZZZZZ			23:10																				
ZZZZZZ			23:26																				
ZZZZZZ			23:41																				
CCV 160-11075/54			23:57																				
CCB 160-11075/55			00:12																				

Prep Types
T = Total/NA

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica St. Louis
Data Review Checklist
Ion Chromatography
Method 300.0/9056A

Lot(s): 562-1, 564-1	NCMs: 1) 1962 - out of Hold 2) 1963 - Dilutions
Batch #(s): 11071	Run Date: 9/11/12
Due Date: 9/18/12	Instrument ID: ICIC52500

	Yes	No	N/A	2nd Level
A. Calibration/Instrument Run QC 1. Instrument calibrated (if applicable) using a blank and the required minimum number of calibration standards?	✓			✓
2. Is the initial calibration curve correlation coefficient ≥ 0.995?	✓			✓
3. ICV/CCV analyzed at the appropriate frequency and within control limits?	✓			✓
4. ICB/CCB analyzed at appropriate frequency and within +/- RL?	✓			✓
5. Calibration curve is updated in the method with the correct retention times?	✓			✓
B. Sample Results 1. Samples with concentration > the linear range or affected by interferences diluted and reanalyzed? -NCM 2	✓			✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time? -NCM 1		✓		✓
4. All dilutions were checked and verified against the "straight" runs?	✓			✓
C. Preparation/Matrix QC 1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and <RL or CRDL (CLP)?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MS or Dup run at required frequency and RPD within SOP limits?	✓			✓
D. Other 1. Are all nonconformances documented appropriately?	✓			✓
2. Current MDL data on file?	✓			✓
3. Calculations checked for error?			✓	✓
4. Were manual integrations checked for appropriateness, correctness and proper documentation (before/after chromatograms, reason, analyst, date?	✓			✓
5. Transcriptions checked for error?	✓			✓
6. All client/project specific requirements met?	✓			✓
7. Date/time of analysis verified as correct?	✓			✓

Analyst: JB Date: 9/14/12
Comments:

2nd Level: FC Date: 9/16/12

WETCHEM ION CHROMATOGRAPHY
QA\Forms\Review\WetChemIon
Revision 2 7/31/12

NCM ID: 160-1962
NCM Type: Holding Time - Reanalysis
Lab Section: Wet Chemisty Analysis

Date Opened: 09/14/2012
Date Closed:
Date Verified:

Narrative

The following samples were re-analyzed outside the method defined holding time because the newly requested anion analysis was made after the holding time expired for Cl, NO3, and SO4: <&commaMerge&>.

Affected Items

Description	Project Manager
160-564-A-8	Fussner, Lynn M
160-564-A-5	Fussner, Lynn M
160-562-A-1	Fussner, Lynn M
160-564-A-2	Fussner, Lynn M
160-564-A-6	Fussner, Lynn M
160-564-A-7	Fussner, Lynn M
160-562-A-4	Fussner, Lynn M
160-562-A-2	Fussner, Lynn M
160-562-A-6	Fussner, Lynn M
160-564-A-3	Fussner, Lynn M
160-564-A-1	Fussner, Lynn M
160-562-A-5	Fussner, Lynn M
160-564-A-9	Fussner, Lynn M
160-562-A-3	Fussner, Lynn M
160-564-A-4	Fussner, Lynn M

Notifications

User Full Name	Date Received	Date	Notice Level	Verification Type
Cruz, Fernando	09/14/2012		Level 1	Review

NCM ID: 160-1963
NCM Type: Reporting Limit - Dilution, Target
Lab Section: Wet Chemisty Analysis

Date Opened: 09/14/2012
Date Closed:
Date Verified:

Narrative

The following samples were diluted to bring the concentrations of Chloride and Sulfate within the calibration range in batch 11071: <&commaMerge&>. Elevated reporting limits (RLs) are provided.

Affected Items

Description	Project Manager
160-562-A-5 ^10	Fussner, Lynn M
160-564-A-1 ^50	Fussner, Lynn M
160-562-A-4 ^5	Fussner, Lynn M
160-564-A-8 ^100	Fussner, Lynn M
160-564-A-1 MSD ^50	Fussner, Lynn M
160-564-A-6 ^100	Fussner, Lynn M
160-562-A-6 ^10	Fussner, Lynn M
160-562-A-1 ^200	Fussner, Lynn M
160-564-A-1 MS ^50	Fussner, Lynn M
160-562-A-2 ^100	Fussner, Lynn M

Notifications

User Full Name	Date Received	Date	Notice Level	Verification Type
Cruz, Fernando	09/14/2012		Level 1	Review

Due: 9/18

TestAmerica St. Louis

Anion Worksheet

Analyst: JB
Method: 300.0
SOP: ST-WC-0028, Rev. 17
Date: ~~9/10/12~~ 9/11/12
Instrument: IC ICS 2500
All result as ppb JB 9/11/12
Batch#: 11071

Lot Number	Sample ID	Fluoride	Chloride	Nitrite	Bromide	Nitrate	Phosphate	Sulfate	Chlorate	Iodide
562-1	562-1		200x			1x		1x		
	562-2		100x			1x		1x		
	562-3 •		1x			1x		1x		
	562-4		1x			1x		5x		
	562-5		10x			1x		10x		
	562-6		10x			1x		10x		
564-1	564-1 •		50x			1x		1x		
	564-2		200x			1x		1x		
	564-3		50x			1x		1x		
	564-4		100x			1x		1x		
	564-5	N.R. conc high.	100x			1x		1x		
	564-6		100x			1x		100x		
	564-7		20x			1x		1x		
	564-8		100x			1x		100x		
	564-9		200x			1x		1x		

Form: SL-INORG-0080, Revised 4/15/2011

9/11/12 ICICS2500 run is pulling from its 9/11/12 Calibration. JB 9/14/12

Sequence: 091112CAL_JACK
Operator: boydj

Printed: 9/14/2012 3:22:16 PM

Title:
Datasource: SLIC03_local
Location: JACK\SEQUENCES\12SEPT
Timebase: JACK
#Samples: 54

Created: 9/11/2012 1:37:45 PM by boydj
Last Update: 9/11/2012 5:34:05 PM by boydj

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time
1	CAL 1	Standard	1	50.0	SLIC03_local	STLANIONS	Finished	9/11/2012 5:34:20 PM
2	CAL 2	Standard	2	50.0	SLIC03_local	STLANIONS	Finished	9/11/2012 5:49:45 PM
3	CAL 3	Standard	3	50.0	SLIC03_local	STLANIONS	Finished	9/11/2012 6:05:10 PM
4	CAL 4	Standard	4	50.0	SLIC03_local	STLANIONS	Finished	9/11/2012 6:20:35 PM
5	CAL 5	Standard	5	50.0	SLIC03_local	STLANIONS	Finished	9/11/2012 6:36:00 PM
6	CAL 6	Standard	6	50.0	SLIC03_local	STLANIONS	Finished	9/11/2012 6:51:26 PM
7	ICV	Unknown	7	50.0	SLIC03_local	STLANIONS	Finished	9/11/2012 7:06:51 PM
8	ICB	Unknown	8	50.0	SLIC03_local	STLANIONS	Finished	9/11/2012 7:22:16 PM
9	MB	Unknown	9	50.0	SLIC03_local	STLANIONS	Finished	9/11/2012 7:37:40 PM
10	LCS	Unknown	10	50.0	SLIC03_local	STLANIONS	Finished	9/11/2012 7:53:05 PM
11	562-A-1	Unknown	11	50.0	SLIC03_local	STLANIONS	Finished	9/11/2012 8:08:30 PM
12	562-A-1 @200	Unknown	12	50.0	SLIC03_local	STLANIONS	Finished	9/11/2012 8:23:55 PM
13	562-A-2	Unknown	13	50.0	SLIC03_local	STLANIONS	Finished	9/11/2012 8:39:20 PM
14	562-A-2 @100	Unknown	14	50.0	SLIC03_local	STLANIONS	Finished	9/11/2012 8:54:45 PM
15	562-A-3	Unknown	15	50.0	SLIC03_local	STLANIONS	Finished	9/11/2012 9:10:10 PM
16	562-A-3 MS	Unknown	16	50.0	SLIC03_local	STLANIONS	Finished	9/11/2012 9:25:35 PM
17	562-A-4	Unknown	17	50.0	SLIC03_local	STLANIONS	Finished	9/11/2012 9:41:01 PM
18	562-A-4 @5	Unknown	18	50.0	SLIC03_local	STLANIONS	Finished	9/11/2012 9:56:26 PM
19	CCV	Unknown	19	50.0	SLIC03_local	STLANIONS	Finished	9/11/2012 10:11:50 PM
20	CCB	Unknown	20	50.0	SLIC03_local	STLANIONS	Finished	9/11/2012 10:27:16 PM
21	562-A-5	Unknown	21	50.0	SLIC03_local	STLANIONS	Finished	9/11/2012 10:42:41 PM
22	562-A-5 @10	Unknown	22	50.0	SLIC03_local	STLANIONS	Finished	9/11/2012 10:58:06 PM
23	562-A-6	Unknown	23	50.0	SLIC03_local	STLANIONS	Finished	9/11/2012 11:13:31 PM
24	562-A-6 @10	Unknown	24	50.0	SLIC03_local	STLANIONS	Finished	9/11/2012 11:28:56 PM
25	564-A-1	Unknown	25	50.0	SLIC03_local	STLANIONS	Finished	9/11/2012 11:44:21 PM
26	564-A-1 @50	Unknown	26	50.0	SLIC03_local	STLANIONS	Finished	9/11/2012 11:59:46 PM
27	564-A-1 MS	Unknown	27	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 12:15:11 AM
28	564-A-1 MS @50	Unknown	28	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 12:30:37 AM
29	564-A-1 MSD	Unknown	29	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 12:46:02 AM
30	564-A-1 MSD @50	Unknown	30	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 1:01:28 AM
31	CCV	Unknown	31	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 1:16:53 AM
32	CCB	Unknown	32	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 1:32:18 AM
33	564-A-2	Unknown	33	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 1:47:43 AM
34	564-A-2 @5	Unknown	34	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 2:03:08 AM
35	564-A-2 @200	Unknown	35	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 2:18:33 AM
36	564-A-3	Unknown	36	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 2:33:58 AM
37	564-A-3 @50	Unknown	37	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 2:49:23 AM
38	564-A-4	Unknown	38	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 3:04:48 AM
39	564-A-4 @100	Unknown	39	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 3:20:13 AM
40	564-A-5	Unknown	40	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 3:35:38 AM
41	564-A-5 @100	Unknown	41	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 3:51:03 AM
42	CCV	Unknown	42	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 4:06:28 AM

N.R. for cl.

CCV high for cl

Title:
Datasource: SLIC03_local
Location: JACK\SEQUENCES\12SEPT
Timebase: JACK
#Samples: 54
Created: 9/11/2012 1:37:45 PM by boydj
Last Update: 9/11/2012 5:34:05 PM by boydj

No.	Name	Weight	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
1	CAL 1	1.0000	1.0000	1.0000	100	091112	
2	CAL 2	1.0000	1.0000	1.0000	101	091112	
3	CAL 3	1.0000	1.0000	1.0000	102	091112	
4	CAL 4	1.0000	1.0000	1.0000	103	091112	
5	CAL 5	1.0000	1.0000	1.0000	104	091112	
6	CAL 6	1.0000	1.0000	1.0000	105	091112	
7	ICV	1.0000	1.0000	1.0000	106	091112	
8	ICB	1.0000	1.0000	1.0000	107	091112	
9	MB	1.0000	1.0000	1.0000	108	091112	
10	LCS	1.0000	1.0000	1.0000	109	091112	
11	562-A-1	1.0000	1.0000	1.0000	110	091112	
12	562-A-1 @200	1.0000	1.0000	1.0000	111	091112	
13	562-A-2	1.0000	1.0000	1.0000	112	091112	
14	562-A-2 @100	1.0000	1.0000	1.0000	113	091112	
15	562-A-3	1.0000	1.0000	1.0000	114	091112	
16	562-A-3 MS	1.0000	1.0000	1.0000	115	091112	
17	562-A-4	1.0000	1.0000	1.0000	116	091112	
18	562-A-4 @5	1.0000	1.0000	1.0000	117	091112	
19	CCV	1.0000	1.0000	1.0000	118	091112	
20	CCB	1.0000	1.0000	1.0000	119	091112	
21	562-A-5	1.0000	1.0000	1.0000	120	091112	
22	562-A-5 @10	1.0000	1.0000	1.0000	121	091112	
23	562-A-6	1.0000	1.0000	1.0000	122	091112	
24	562-A-6 @10	1.0000	1.0000	1.0000	123	091112	
25	564-A-1	1.0000	1.0000	1.0000	124	091112	
26	564-A-1 @50	1.0000	1.0000	1.0000	125	091112	
27	564-A-1 MS	1.0000	1.0000	1.0000	126	091112	
28	564-A-1 MS @50	1.0000	1.0000	1.0000	127	091112	
29	564-A-1 MSD	1.0000	1.0000	1.0000	128	091112	
30	564-A-1 MSD @50	1.0000	1.0000	1.0000	129	091112	
31	CCV	1.0000	1.0000	1.0000	130	091112	
32	CCB	1.0000	1.0000	1.0000	131	091112	
33	564-A-2	1.0000	1.0000	1.0000	132	091112	
34	564-A-2 @5	1.0000	1.0000	1.0000	133	091112	
35	564-A-2 @200	1.0000	1.0000	1.0000	134	091112	
36	564-A-3	1.0000	1.0000	1.0000	135	091112	
37	564-A-3 @50	1.0000	1.0000	1.0000	136	091112	
38	564-A-4	1.0000	1.0000	1.0000	137	091112	
39	564-A-4 @100	1.0000	1.0000	1.0000	138	091112	
40	564-A-5	1.0000	1.0000	1.0000	139	091112	
41	564-A-5 @100	1.0000	1.0000	1.0000	140	091112	
42	CCV	1.0000	1.0000	1.0000	141	091112	

Sequence: 091112CAL_JACK
Operator: boydj
Printed: 9/14/2012 3:22:16 PM

Title:
Datasource: SLIC03_local
Location: JACK\SEQUENCES\12SEPT
Timebase: JACK
#Samples: 54

Created: 9/11/2012 1:37:45 PM by boydj
Last Update: 9/11/2012 5:34:05 PM by boydj

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time
43	CCB	Unknown	43	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 4:21:53 AM
44	564-A-6	Unknown	44	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 4:37:18 AM
45	564-A-6 @100	Unknown	45	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 4:52:43 AM
46	564-A-7	Unknown	46	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 5:08:08 AM
47	564-A-7 @20	Unknown	47	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 5:23:33 AM
48	564-A-8	Unknown	48	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 5:38:58 AM
49	564-A-8 @100	Unknown	49	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 5:54:23 AM
50	564-A-9	Unknown	50	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 6:09:48 AM
51	564-A-9 @200	Unknown	51	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 6:25:13 AM
52	CCV	Unknown	52	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 6:40:38 AM
53	CCB	Unknown	53	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 6:56:03 AM
54	END	Unknown	54	50.0	SHUTDOWN	STLANIONS	Finished	9/12/2012 7:11:28 AM

N.R. for cl-

ccv high for cl

Title:
Datasource: SLIC03_local
Location: JACK\SEQUENCES\12SEPT
Timebase: JACK
#Samples: 54
Created: 9/11/2012 1:37:45 PM by boydj
Last Update: 9/11/2012 5:34:05 PM by boydj

No.	Name	Weight	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
43	CCB	1.0000	1.0000	1.0000	142	091112	
44	564-A-6	1.0000	1.0000	1.0000	143	091112	
45	564-A-6 @100	1.0000	1.0000	1.0000	144	091112	
46	564-A-7	1.0000	1.0000	1.0000	145	091112	
47	564-A-7 @20	1.0000	1.0000	1.0000	146	091112	
48	564-A-8	1.0000	1.0000	1.0000	147	091112	
49	564-A-8 @100	1.0000	1.0000	1.0000	148	091112	
50	564-A-9	1.0000	1.0000	1.0000	149	091112	
51	564-A-9 @200	1.0000	1.0000	1.0000	150	091112	
52	CCV	1.0000	1.0000	1.0000	151	091112	
53	CCB	1.0000	1.0000	1.0000	152	091112	
54	END	1.0000	1.0000	1.0000	153	091112	

Title: STLANIONS
Datasource: SLIC03_local
Location: JACK\SEQUENCES\12SEPT\091112CAL_JACK.SEQ
Timebase: JACK
Created: 12/5/2005 2:54:29 PM by chemist
Changed: 8/29/2012 1:37:47 PM by boydj

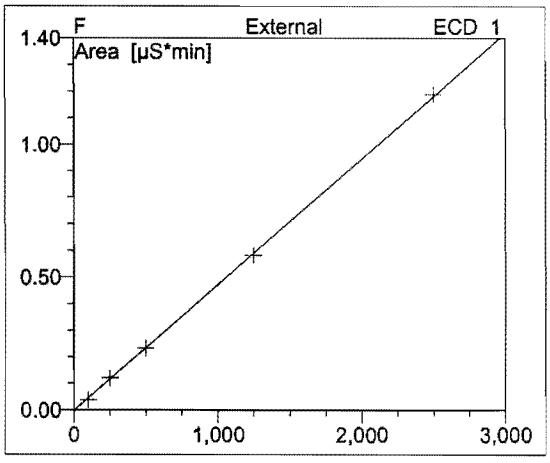
```
          Pressure.LowerLimit =                0
          Pressure.UpperLimit =                5000
          %A.Equate =                          "%A"
          %B.Equate =                          "%B"
          %C.Equate =                          "%C"
          %D.Equate =                          "%D"
          LoadPosition
          Data_Collection_Rate =               2.0
          Temperature_Compensation =           1.7
          Oven_Temperature =                   35
          Suppressor_Type =                    ASRS_4mm
          ; Carbonate =                       3.5
          ; Bicarbonate =                     1.0
          ; Hydroxide =                       0.0
          ; Tetraborate =                     0.0
          ; Other eluent =                    0.0
          ; Recommended Current =             24
          Suppressor_Current =                 30
          Flow =                               1.0
          %B =                                 0.0
          %C =                                 0.0
          %D =                                 0.0
          Curve =                              5

-2.300    Pump_Relay_1.Closed                  Duration=138.00

 0.000    ECD.Autozero
          ECD_1.AcqOn
          Pump_InjectValve.InjectPosition      Duration=30.00

13.0      ECD_1.AcqOff

          End
```

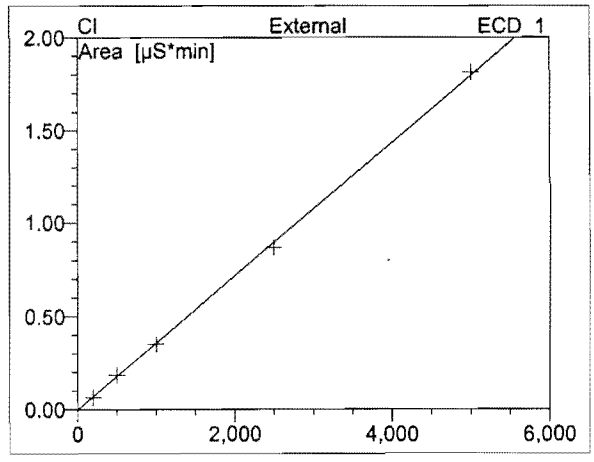
Title: STLANIONS
Datasource: SLIC03_local
Location: JACK\SEQUENCES\12SEPT\091112CAL_JACK.SEQ
Timebase: JACK
Created: 12/5/2005 2:54:29 PM by chemist
Changed: 8/29/2012 1:37:47 PM by boydj

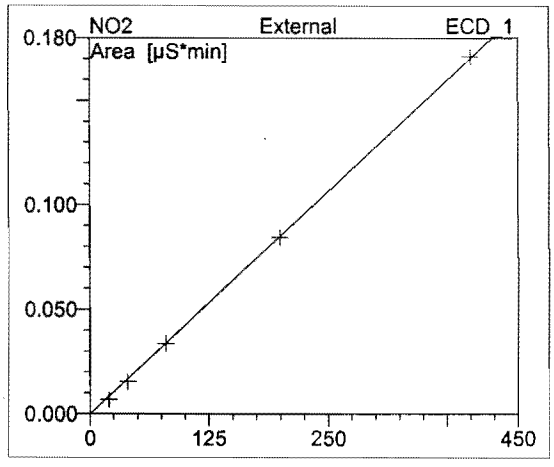
No.	Channel	Operation	Parameters

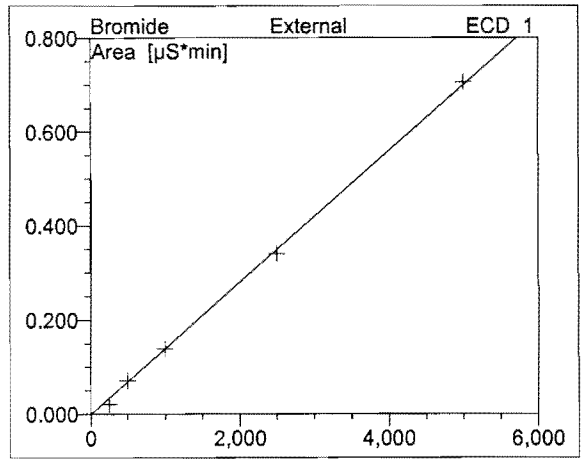
Calibration Batch Report - ECD_1

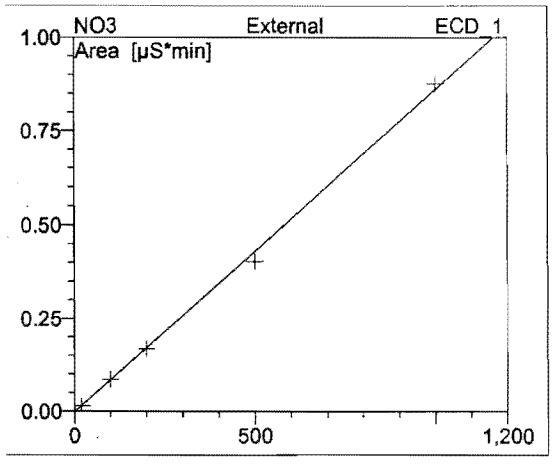
Sequence:	091112CAL_JACK	Inj. Vol.:	50.0
Program:	SLIC03_local	Operator:	SLIC03
Inj. Date/Time	09/11/12 18:51	Run Time:	13.00

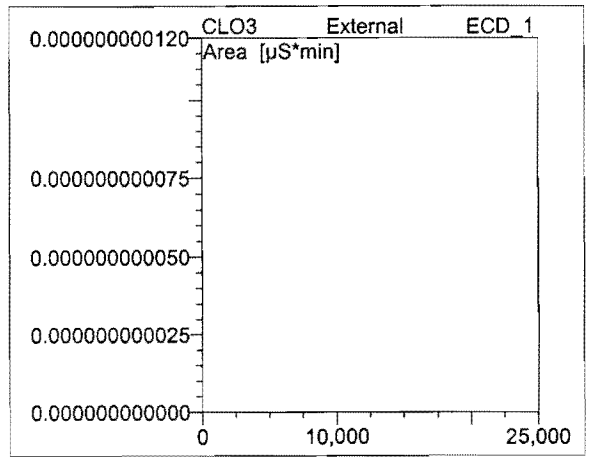


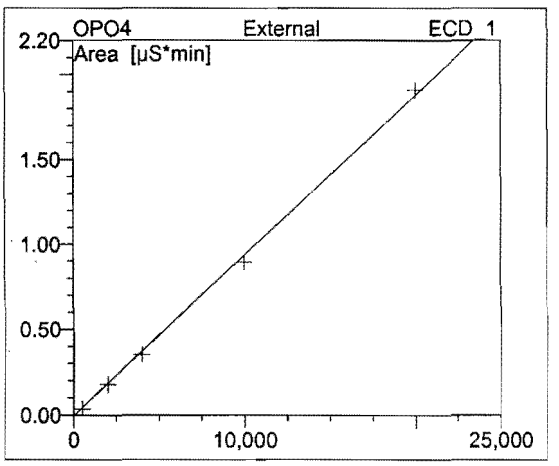


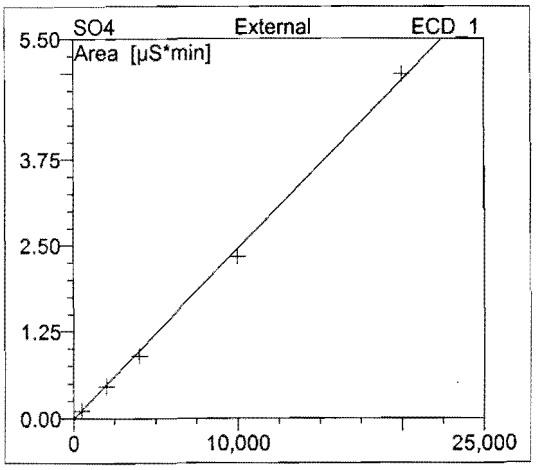












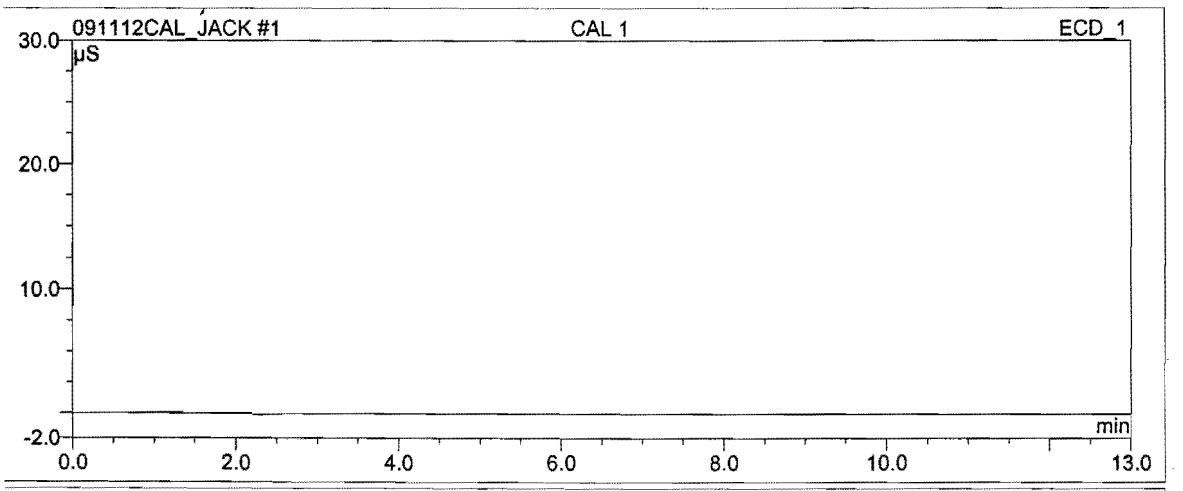
No.	Peak Name	Cal.Type	Corr.Coeff. %
1	F	Lin	99.991
2	Cl	Lin	99.974✓
3	NO2	Lin	99.997
4	Bromide	Lin	99.969
5	NO3	Lin	99.916✓
6	OPO4	Lin	99.953
7	SO4	Lin	99.945✓

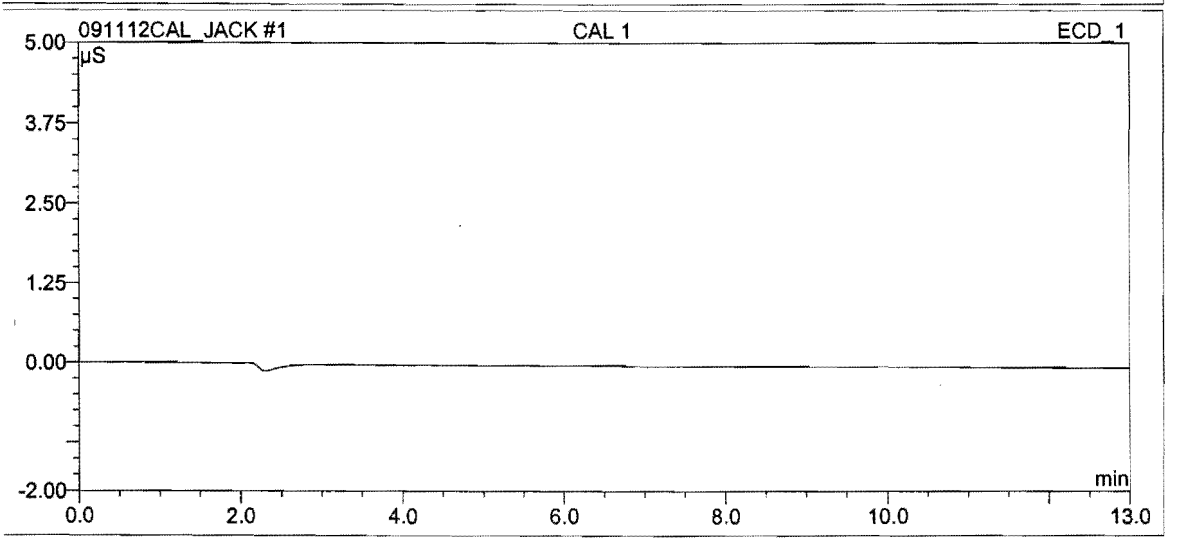
JB 9/14/12

Integration Report - ECD_1

Sample Name:	**CAL 1**	*Inj. Vol.:*	**50.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 17:34**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
		TOTAL:		0.00	0.00	0.00



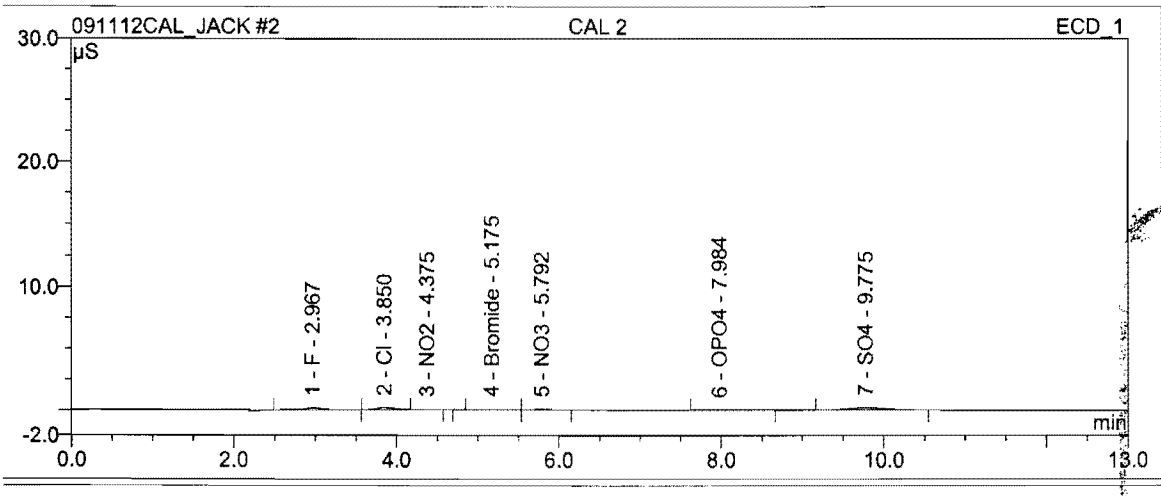


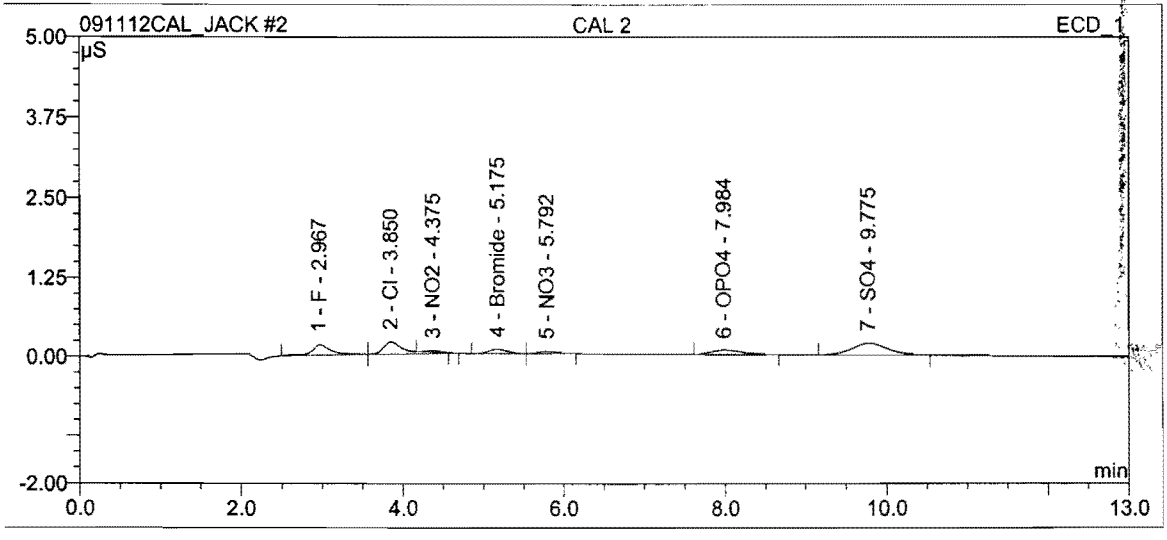
Integration Report - ECD_1

Sample Name:	**CAL 2**	*Inj. Vol.:*	**50.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 17:49**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	2.97	F	BM	0.050	0.172	104.7911
2	3.85	Cl	MB	0.064	0.198	177.6778
3	4.38	NO2	Rd	0.005	0.026	11.8838
4	5.18	Bromide	BMb	0.020	0.071	141.8822
5	5.79	NO3	bMB	0.010	0.035	12.0187
6	7.98	OPO4	BMB	0.032	0.072	341.5419
7	9.78	SO4	BMB	0.098	0.188	399.0663
		TOTAL:		0.28	0.76	1188.86

MI
JB
SEP 14 2012



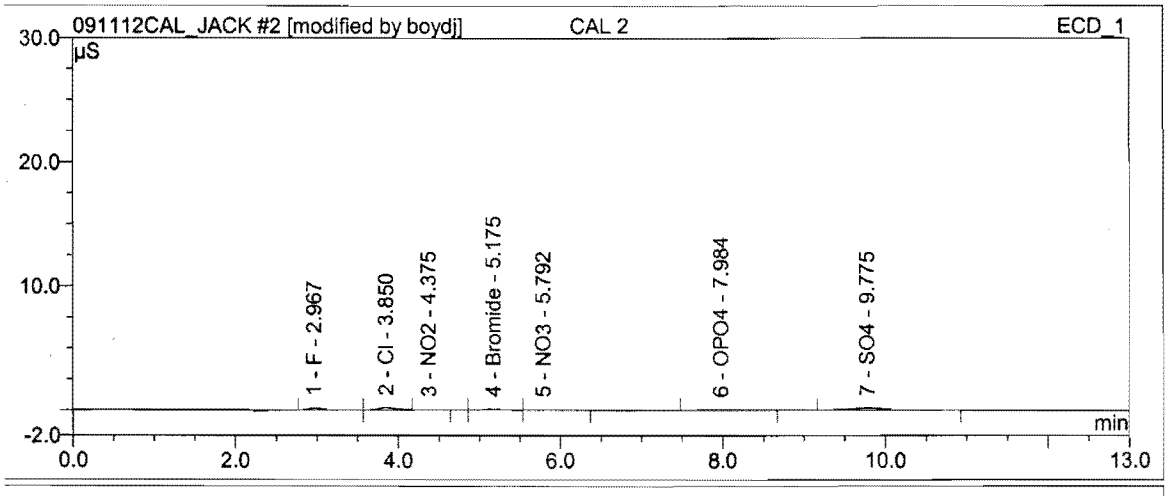


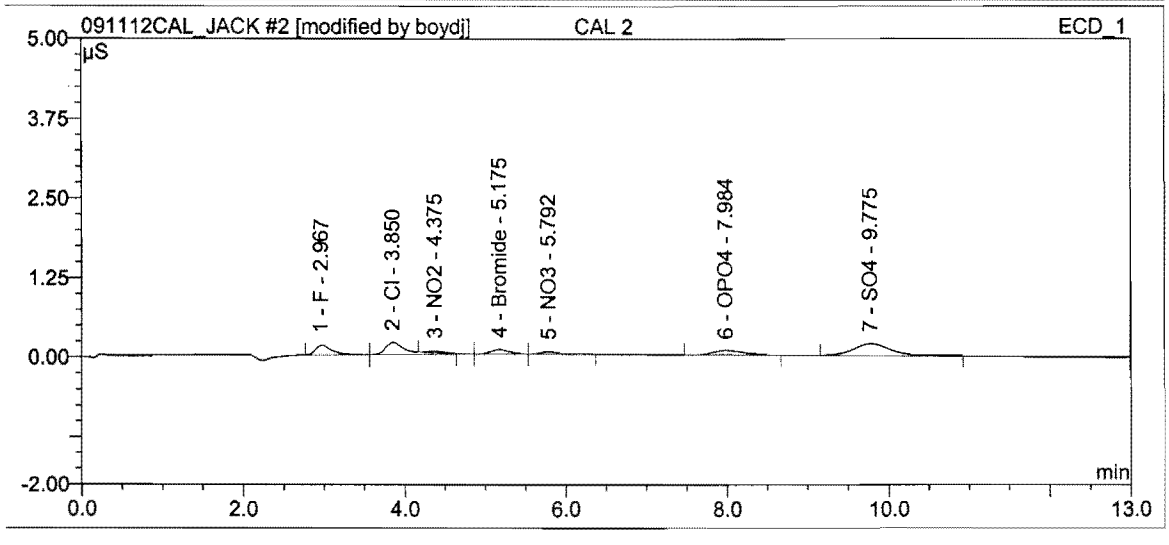
1. Peak Not Found
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing - All anions
6. Split Peak
7. Other _____

Integration Report - ECD_1

Sample Name:	**CAL 2**	*Inj. Vol.:*	**50.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 17:49**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	2.97	F	BMb*	0.037	0.157	79.2311
2	3.85	Cl	bMb*	0.063	0.196	176.5418
3	4.38	NO2	Rd*	0.007	0.030	15.4635
4	5.18	Bromide	bM *	0.020	0.072	144.6851
5	5.79	NO3	MB*	0.014	0.039	16.3595
6	7.98	OPO4	BMB*	0.035	0.075	367.6647
7	9.78	SO4	BMB*	0.107	0.193	436.1295
		TOTAL:		0.28	0.76	1236.08



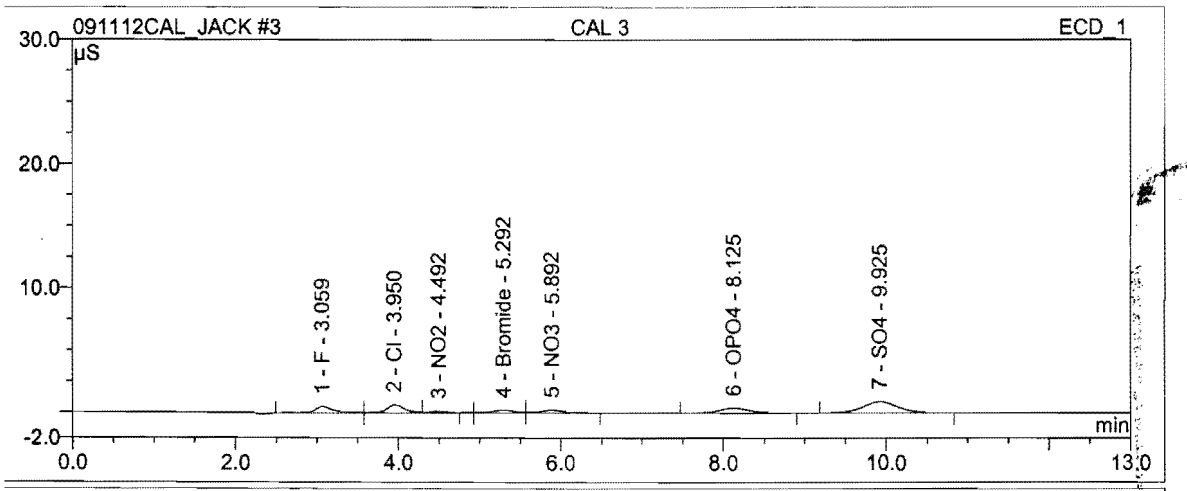


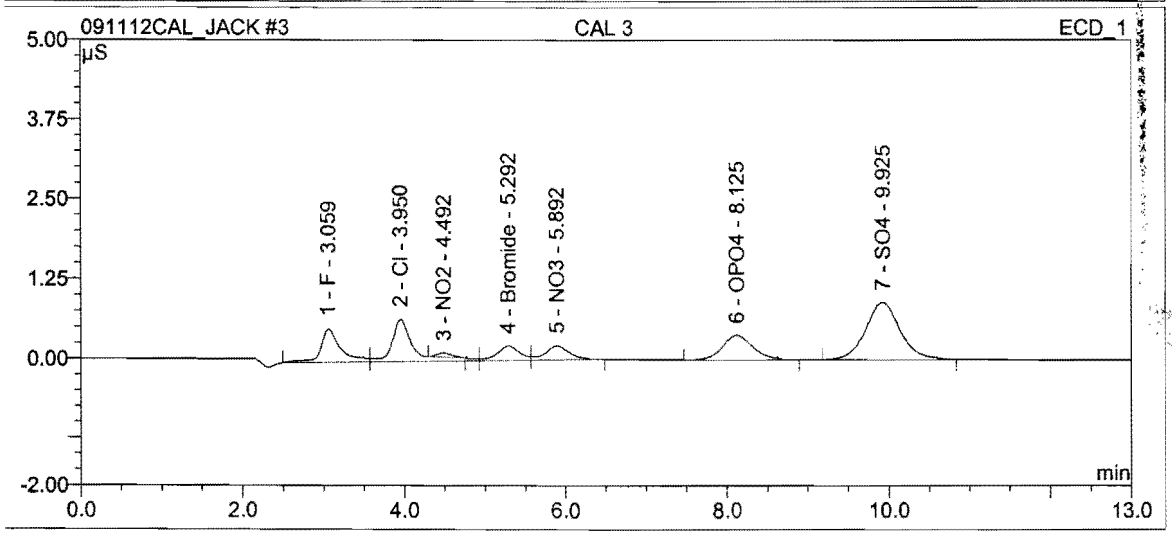
Integration Report - ECD_1

Sample Name:	**CAL 3**	*Inj. Vol.:*	**50.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 18:05**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.06	F	BM	0.150	0.528	315.8801
2	3.95	Cl	M	0.206	0.661	570.3613
3	4.49	NO2	Rd	0.015	0.071	37.5862
4	5.29	Bromide	M	0.074	0.230	529.2716
5	5.89	NO3	MB	0.079	0.223	92.5508
6	8.13	OPO4	BMB	0.175	0.392	1865.8360
7	9.93	SO4	BMB	0.448	0.898	1832.0076
		TOTAL:		1.15	3.00	5243.49

MI
SB
SEP 14 2012



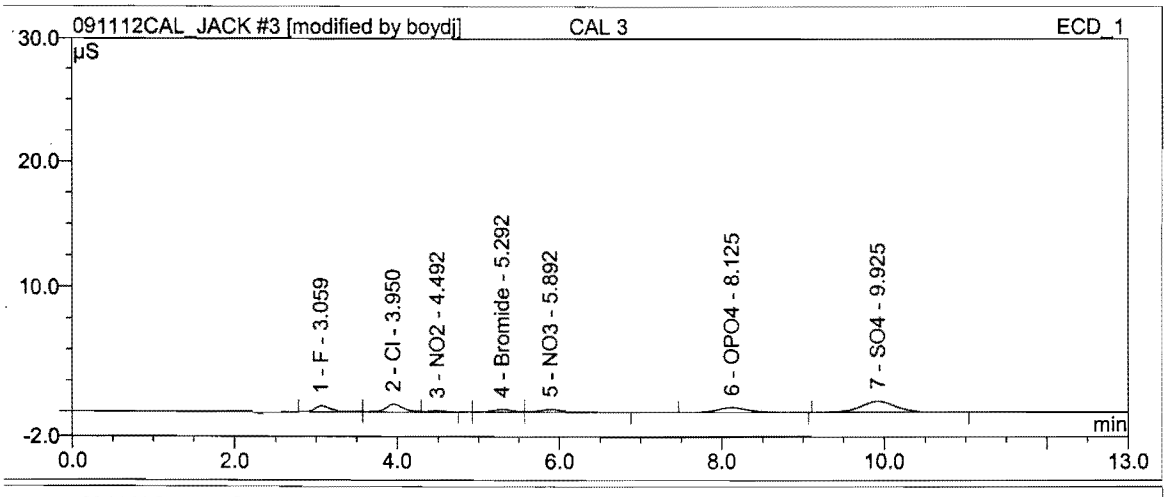


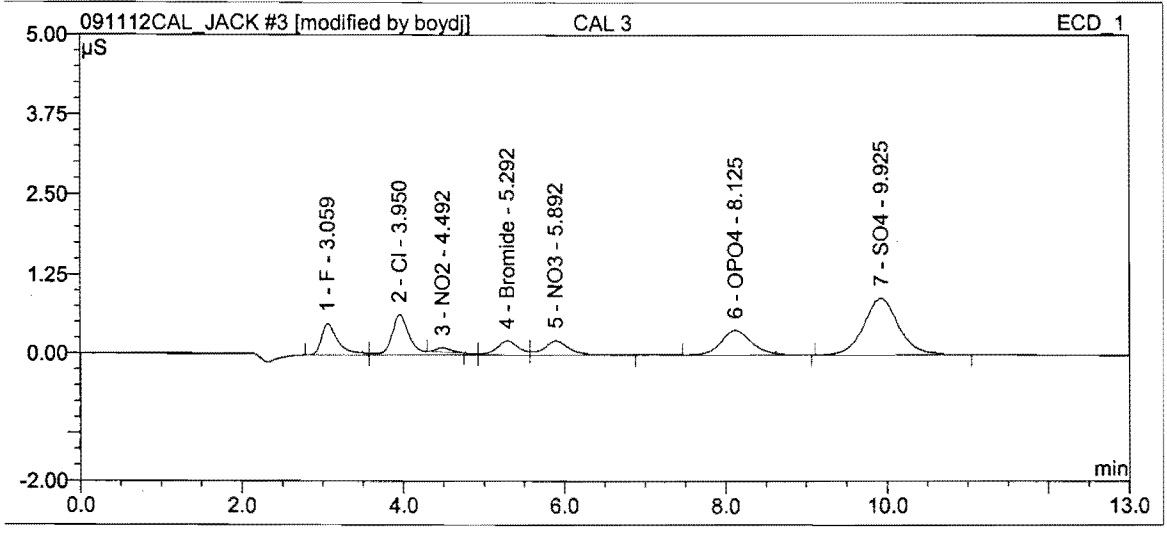
1. Peak Not Found
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing - F, NO3, OPO4, SO4
6. Split Peak
7. Other _____

Integration Report - ECD_1

Sample Name:	**CAL 3**	*Inj. Vol.:*	**50.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 18:05**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.06	F	BM *	0.120	0.497	253.9976
2	3.95	Cl	M *	0.183	0.640	509.7769
3	4.49	NO2	Rd	0.015	0.071	35.7411
4	5.29	Bromide	M *	0.070	0.226	503.8718
5	5.89	NO3	MB*	0.085	0.225	98.1786
6	8.13	OPO4	BMB*	0.178	0.393	1892.0036
7	9.93	SO4	BMB*	0.453	0.901	1846.6227
		TOTAL:		1.10	2.95	5140.19



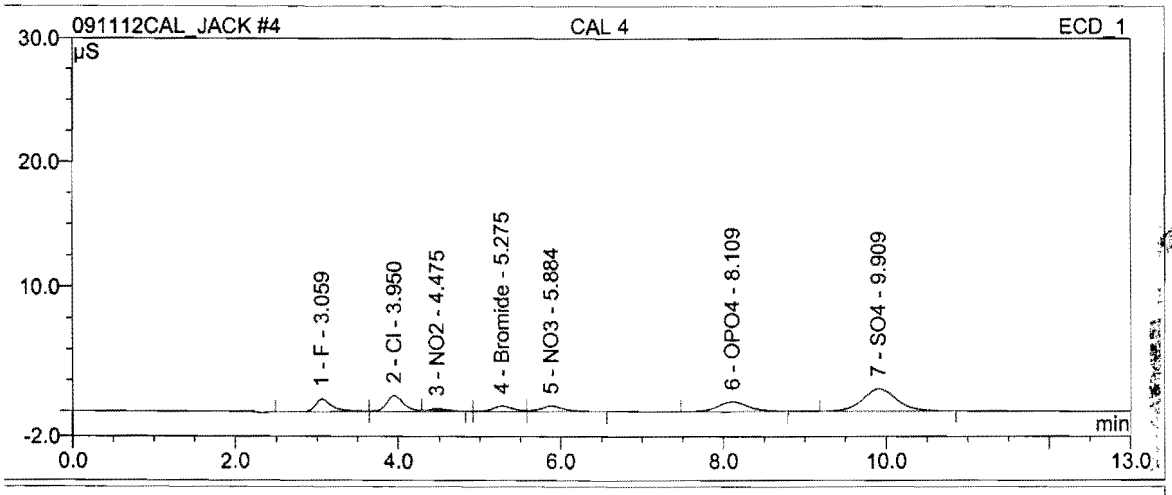


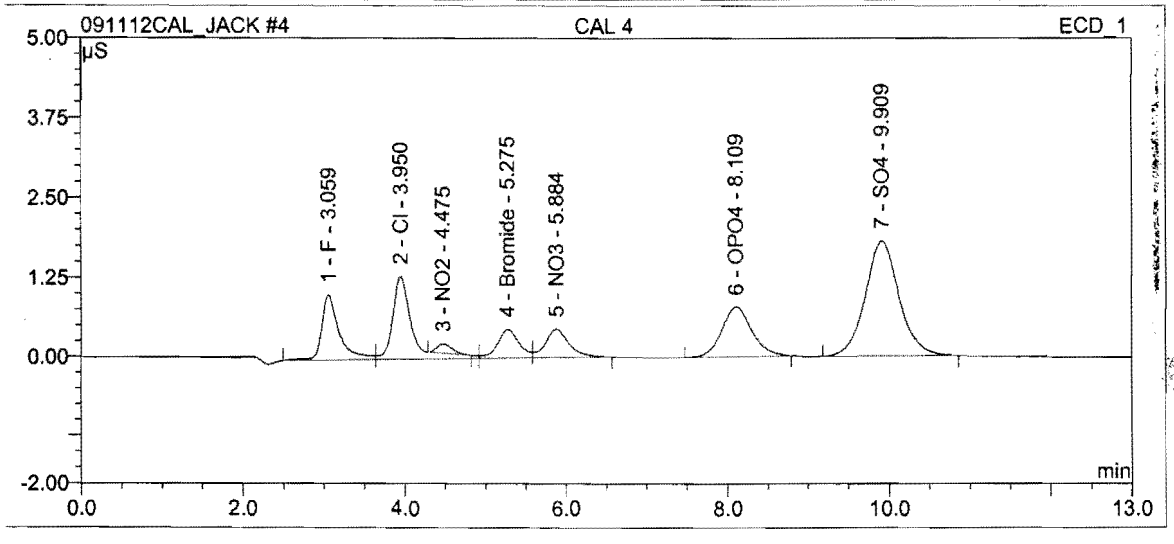
Integration Report - ECD_1

Sample Name:	**CAL 4**	*Inj. Vol.:*	**50.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 18:20**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.06	F	BM	0.261	1.029	549.1077
2	3.95	Cl	M	0.369	1.307	1020.7014
3	4.48	NO2	Rd	0.034	0.149	83.1372
4	5.28	Bromide	M	0.141	0.452	1009.6788
5	5.88	NO3	MB	0.155	0.449	182.5376
6	8.11	OPO4	BMB	0.339	0.787	3619.4152
7	9.91	SO4	BMB	0.882	1.809	3606.5609
		TOTAL:		2.18	5.98	10071.14

MI
JB
SEP 14 2012



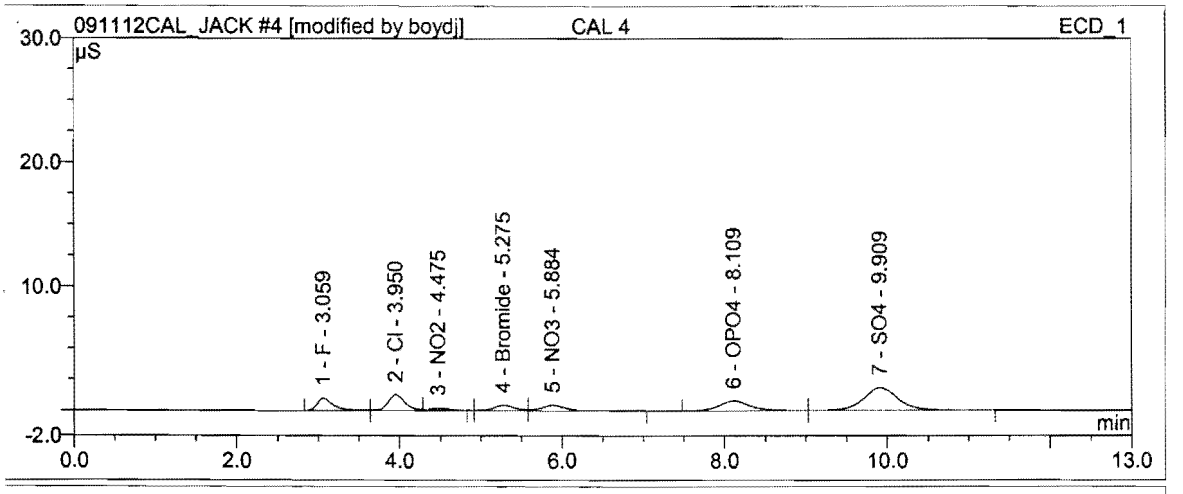


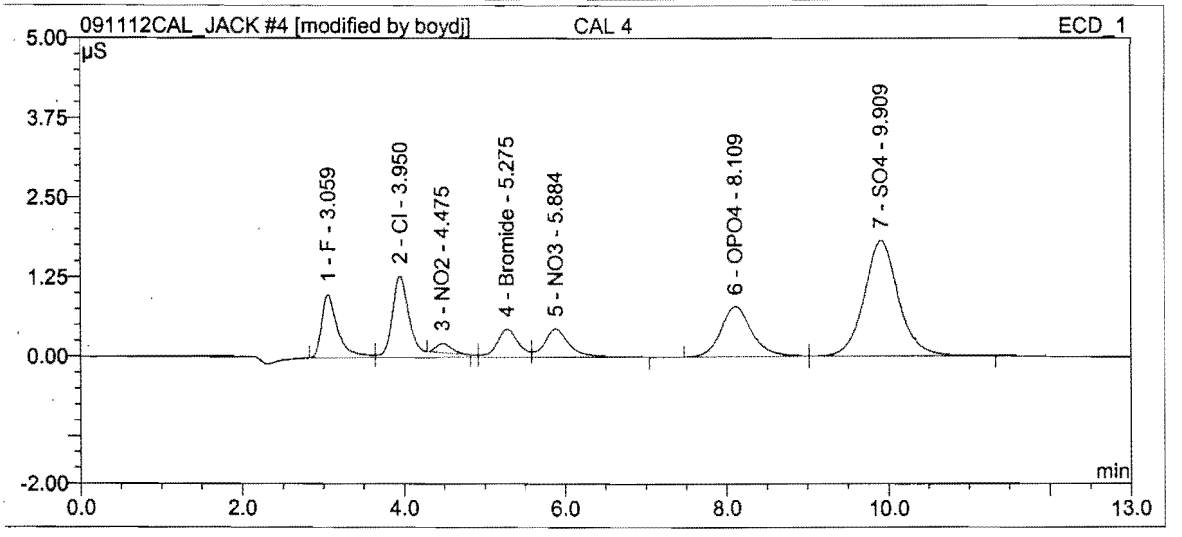
1. Peak Not Found
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing -F, NO3, OPO4, SO4
6. Split Peak
7. Other

Integration Report - ECD_1

Sample Name:	**CAL 4**	*Inj. Vol.:*	**50.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 18:20**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.06	F	BM *	0.234	1.001	494.1465
2	3.95	Cl	M *	0.351	1.290	978.1936
3	4.48	NO2	Rd	0.034	0.149	79.0560
4	5.28	Bromide	M *	0.139	0.450	996.3867
5	5.88	NO3	MB*	0.168	0.454	194.7828
6	8.11	OPO4	BMb*	0.351	0.794	3731.1428
7	9.91	SO4	bMB*	0.898	1.816	3658.0021
		TOTAL:		2.17	5.95	10131.71





Integration Report - ECD_1

Sample Name:	**CAL 5**	*Inj. Vol.:*	**50.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 18:36**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.579	2.532	1217.7240
2	3.94	Cl	M	0.860	3.273	2381.6605
3	4.44	NO2	Rd	0.084	0.383	208.2332
4	5.27	Bromide	M	0.334	1.123	2391.7894
5	5.87	NO3	MB	0.384	1.132	451.3423
6	8.09	OPO4	BM	0.887	2.046	9462.3788
7	9.89	SO4	MB	2.293	4.678	9376.7900
		TOTAL:		5.42	15.17	25489.92

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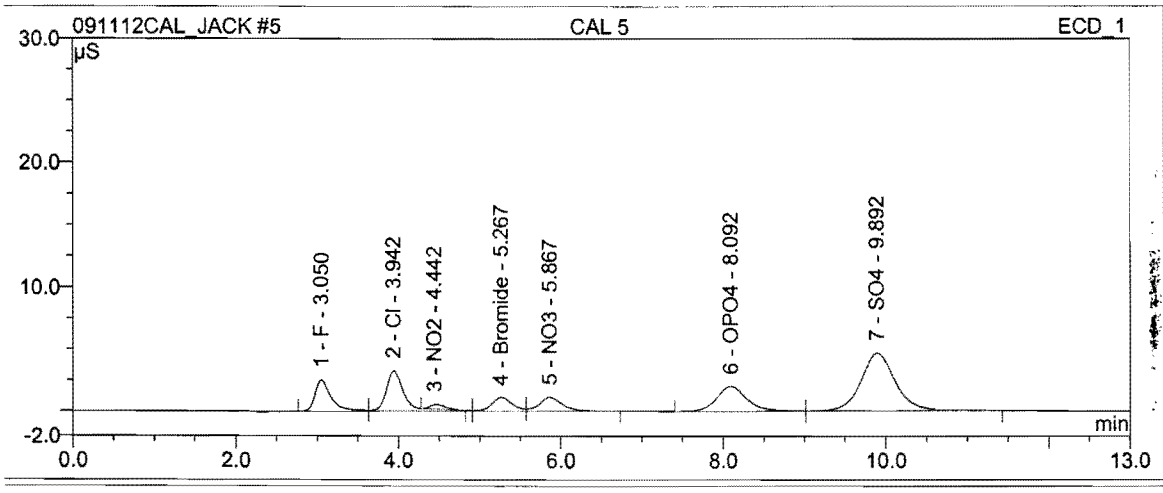
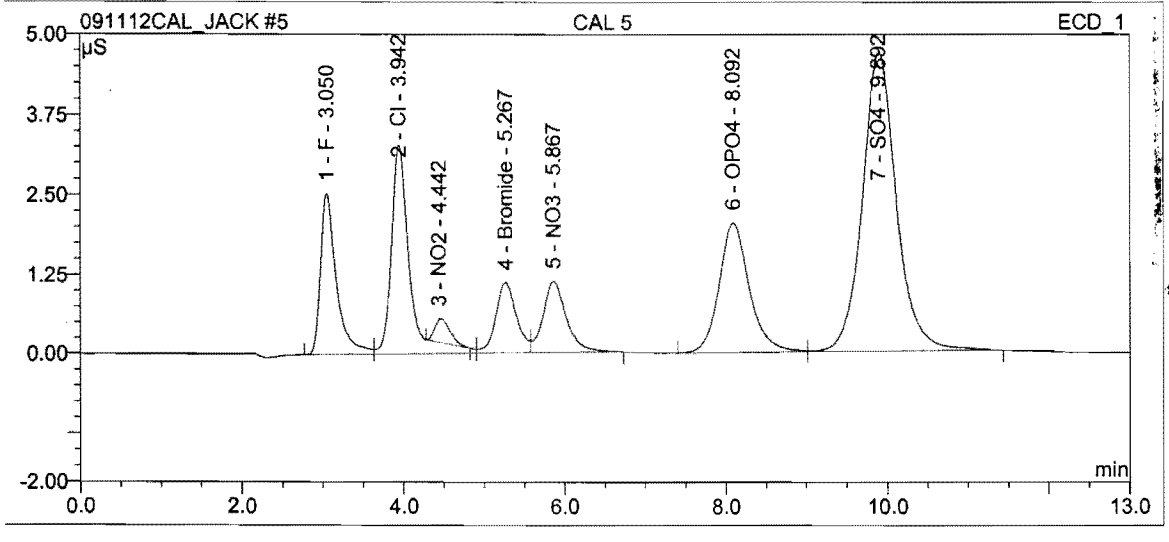


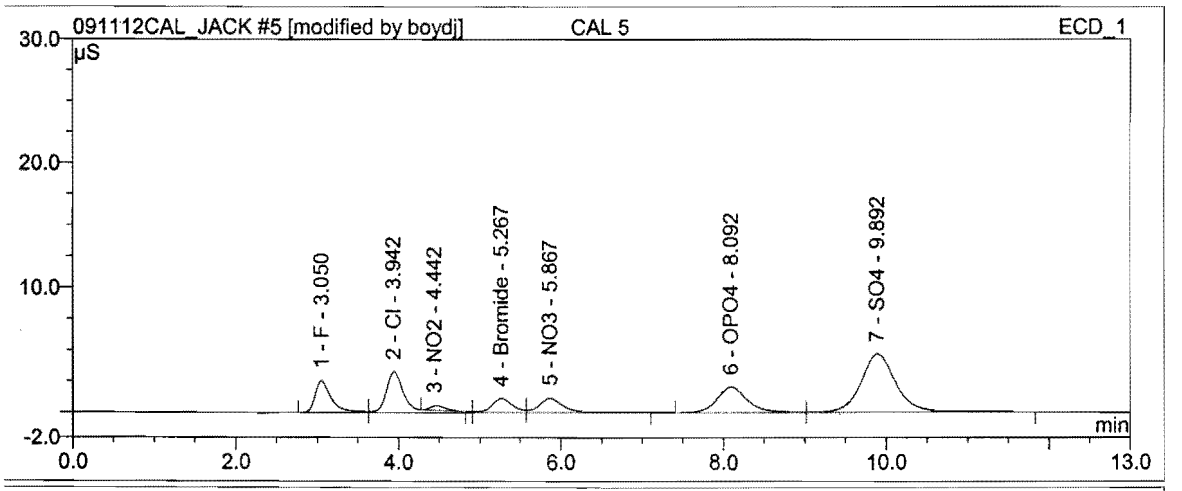


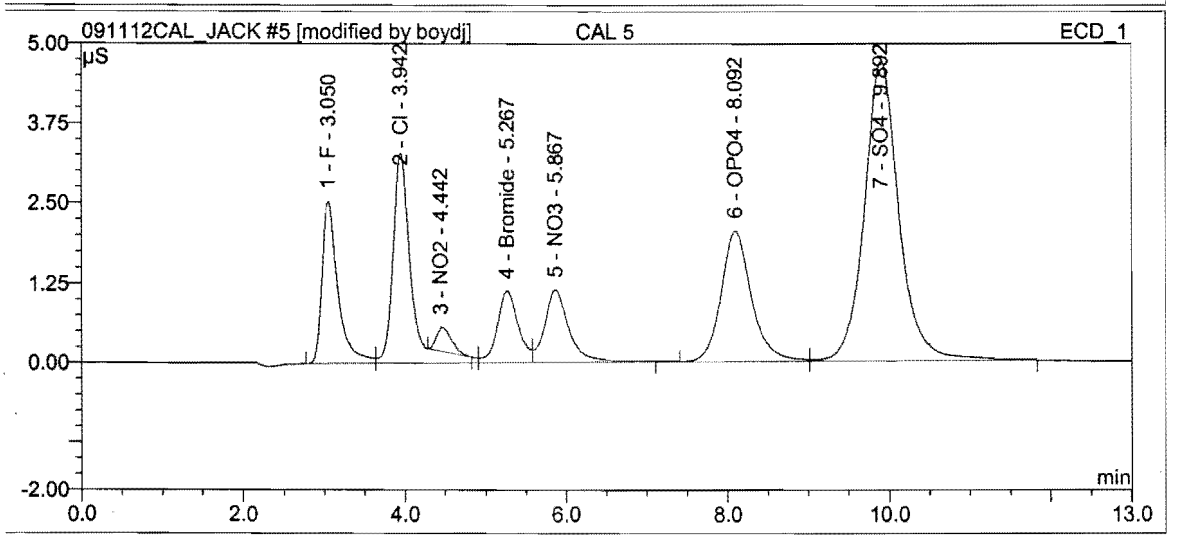
1. Peak Not Found
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing - NO3, SO4
6. Split Peak
7. Other _____

Integration Report - ECD_1

Sample Name:	**CAL 5**	*Inj. Vol.:*	**50.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 18:36**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM *	0.580	2.533	1227.3784
2	3.94	Cl	M *	0.868	3.278	2415.7647
3	4.44	NO2	Rd	0.084	0.383	198.0112
4	5.27	Bromide	M *	0.340	1.133	2431.4059
5	5.87	NO3	MB*	0.403	1.145	468.0286
6	8.09	OPO4	BM *	0.894	2.050	9509.2290
7	9.89	SO4	MB*	2.332	4.690	9500.6877
		TOTAL:		5.50	15.21	25750.51





Integration Report - ECD_1

Sample Name:	**CAL 6**	*Inj. Vol.:*	**50.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 18:51**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	1.188	5.235	2499.5368
2	3.95	Cl	M	1.824	6.881	5048.8862
3	4.47	NO2	Rd	0.160	0.768	395.9031
4	5.26	Bromide	M	0.705	2.365	5054.6483
5	5.86	NO3	M	0.876	2.401	1028.7259
6	8.08	OPO4	M	1.909	4.396	20362.3054
7	9.88	SO4	MB	4.991	10.070	20409.6154
		TOTAL:		11.65	32.12	54799.62

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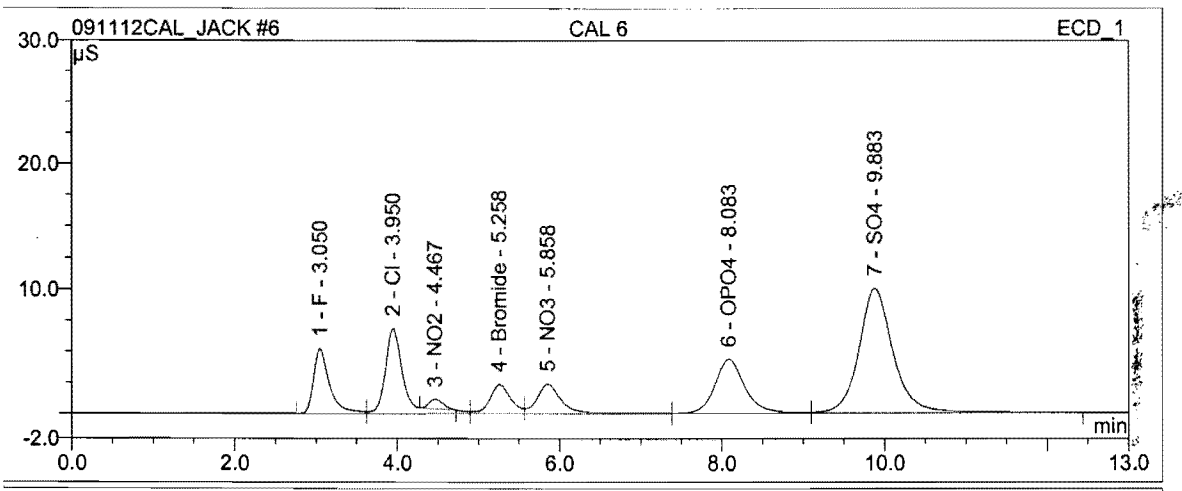
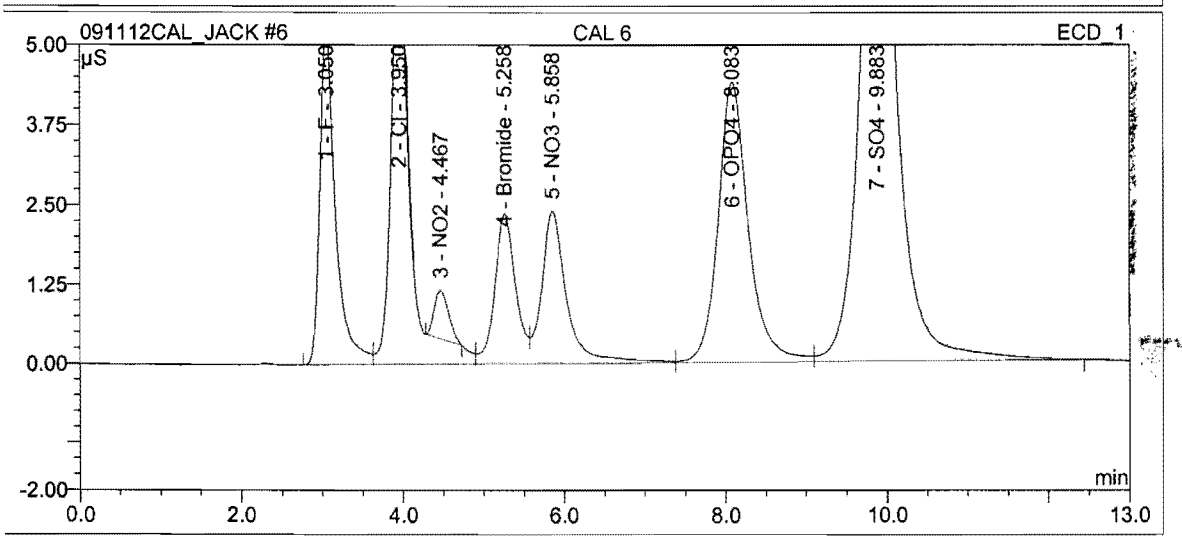


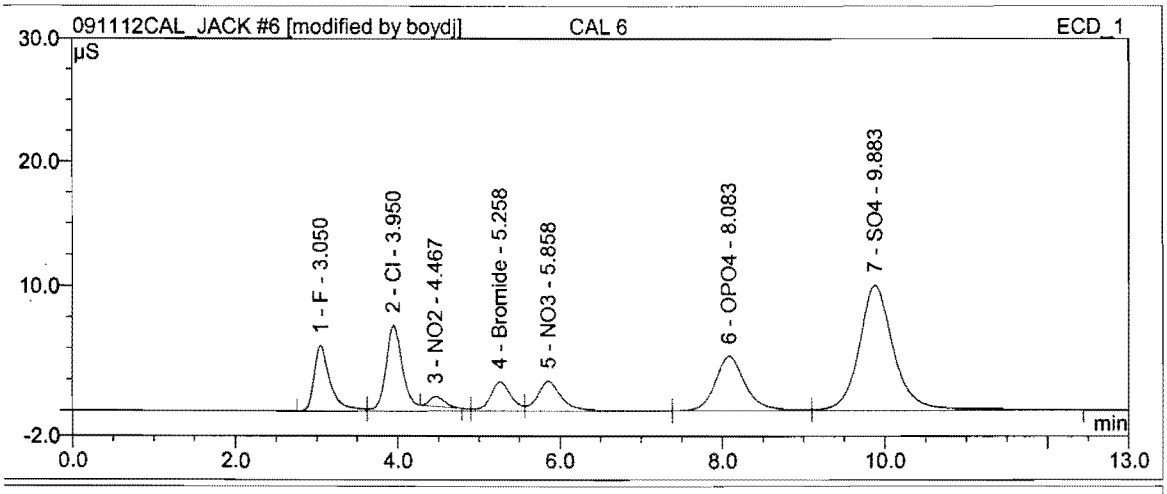


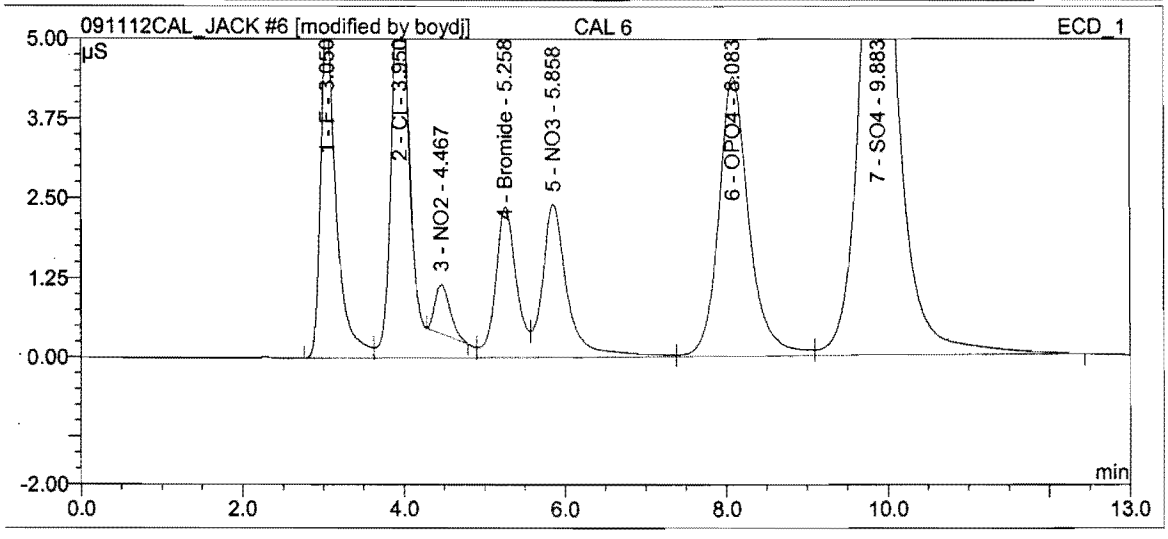
1. Peak Not Found
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing - NON
6. Split Peak
7. Other _____

Integration Report - ECD_1

Sample Name:	**CAL 6**	*Inj. Vol.:*	**50.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 18:51**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	1.188	5.235	2512.9125
2	3.95	Cl	M *	1.813	6.881	5046.4396
3	4.47	NO2	Rd*	0.171	0.785	401.8359
4	5.26	Bromide	M	0.705	2.365	5039.8982
5	5.86	NO3	M	0.876	2.401	1017.2841
6	8.08	OPO4	M	1.909	4.396	20313.2650
7	9.88	SO4	MB	4.991	10.070	20334.9902
		TOTAL:		11.65	32.13	54666.63





Integration Report - ECD_1

Sample Name:	**ICV**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 19:06**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.06	F	BM	0.468	2.001	989.4410
2	3.95	Cl	M	0.691	2.570	1923.7203
3	4.48	NO2	Rd	0.067	0.303	158.5141
4	5.28	Bromide	M	0.269	0.893	1919.6786
5	5.88	NO3	MB	0.310	0.902	359.5769
6	8.11	OPO4	BM	0.716	1.622	7622.3163
7	9.91	SO4	MB	1.853	3.673	7548.4830
		TOTAL:		4.37	11.96	20521.73

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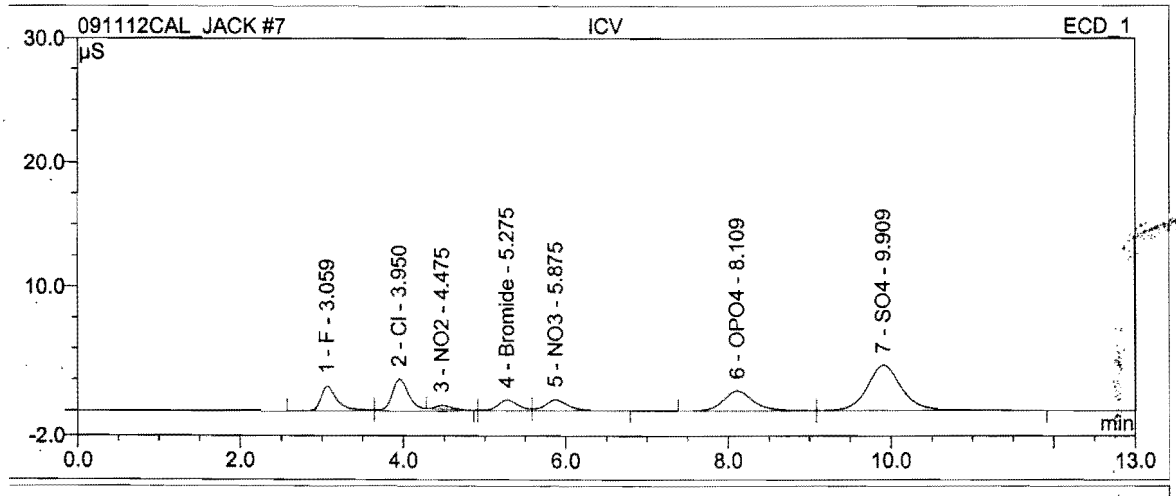
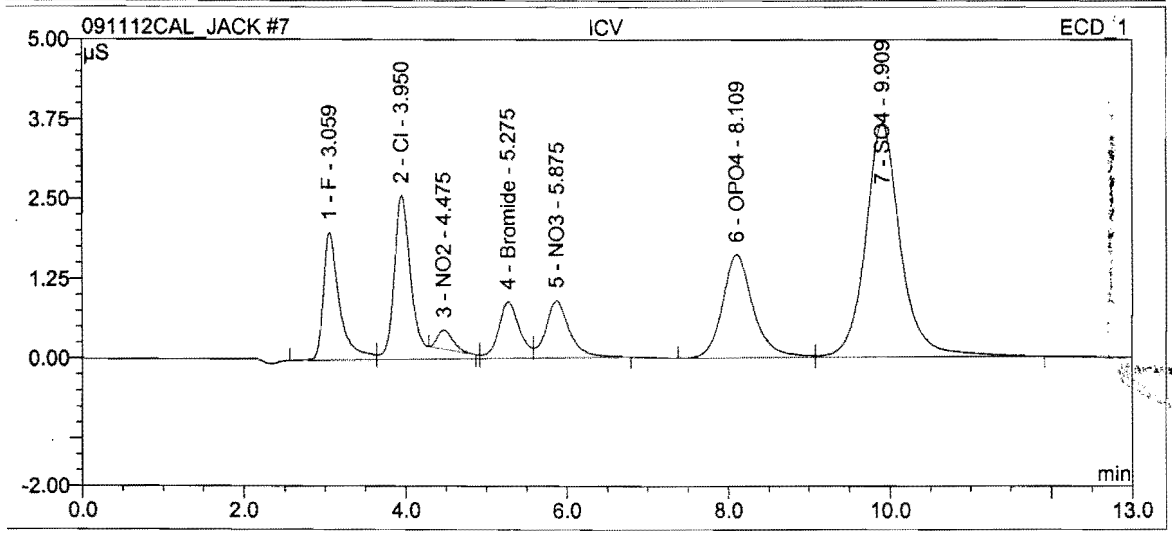


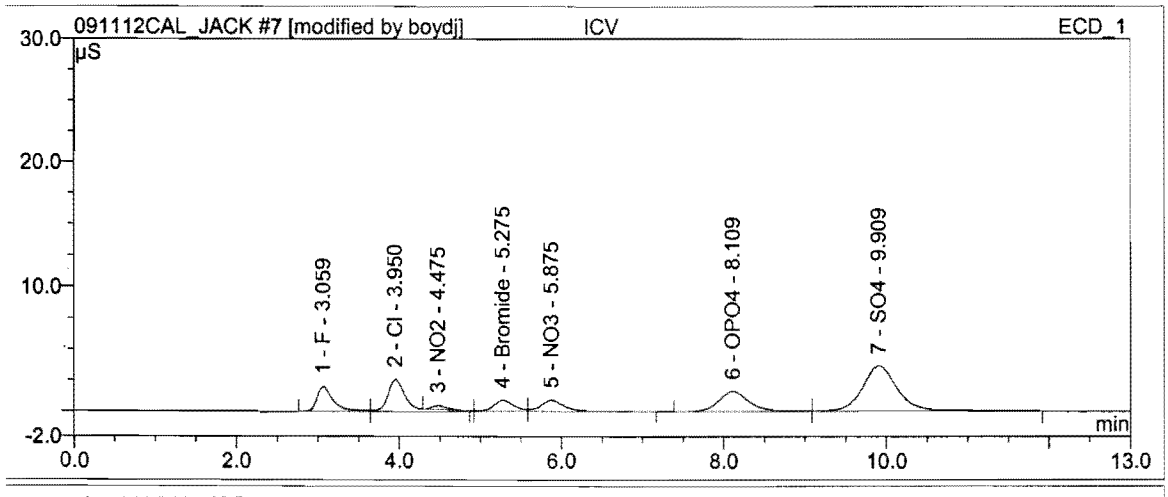


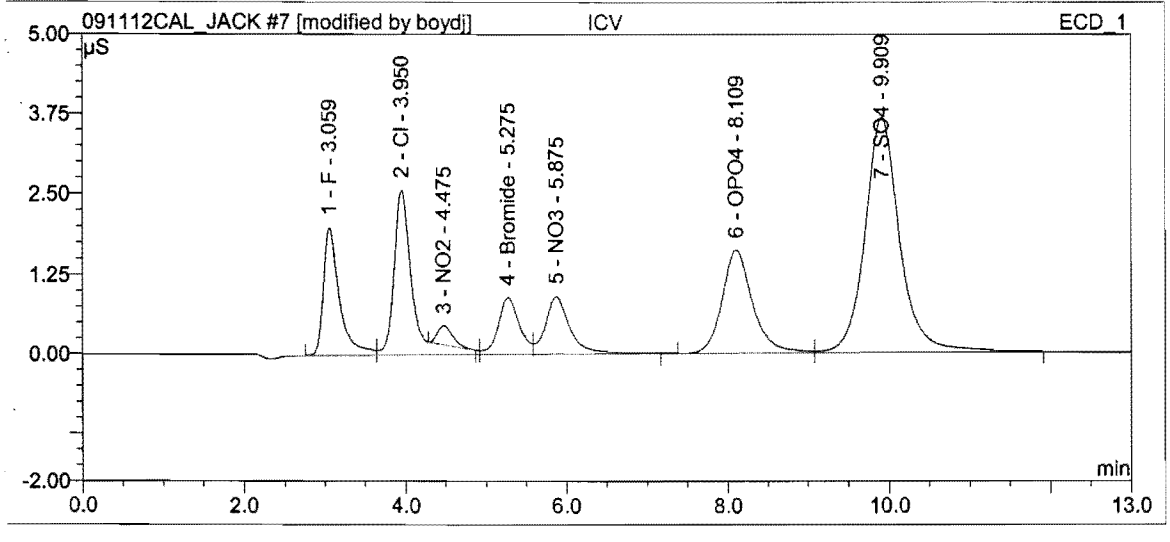
1. Peak Not Found
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing - F, NO3
6. Split Peak
7. Other _____

Integration Report - ECD_1

Sample Name:	**ICV**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 19:06**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.06	F	BM *	0.462	1.994	976.7311
2	3.95	Cl	M *	0.693	2.569	1929.0432
3	4.48	NO2	Rd	0.067	0.303	158.5141
4	5.28	Bromide	M *	0.274	0.901	1957.9400
5	5.88	NO3	MB*	0.331	0.914	384.0835
6	8.11	OPO4	BM	0.716	1.622	7622.3163
7	9.91	SO4	MB	1.853	3.673	7548.4830
		TOTAL:		4.40	11.98	20577.11

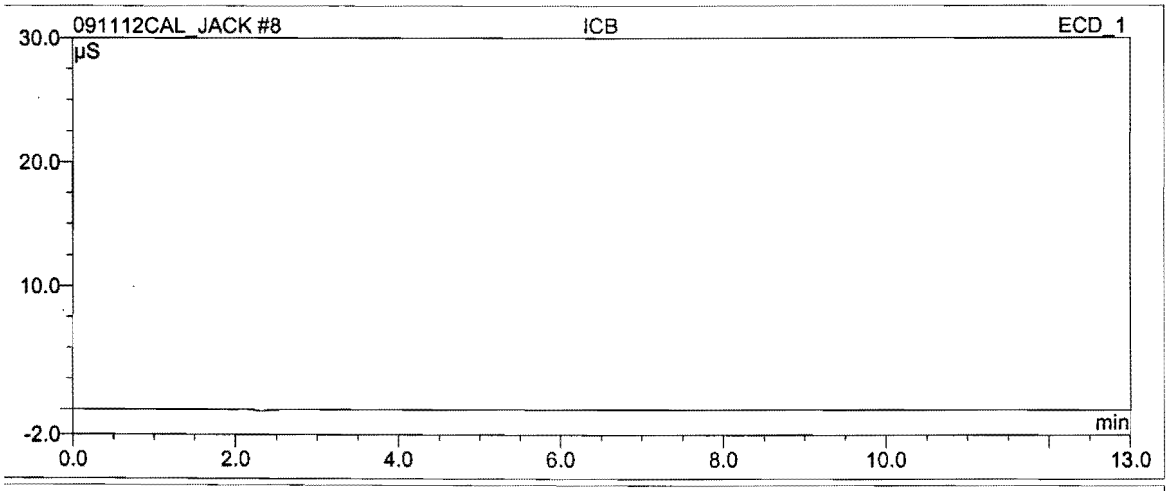


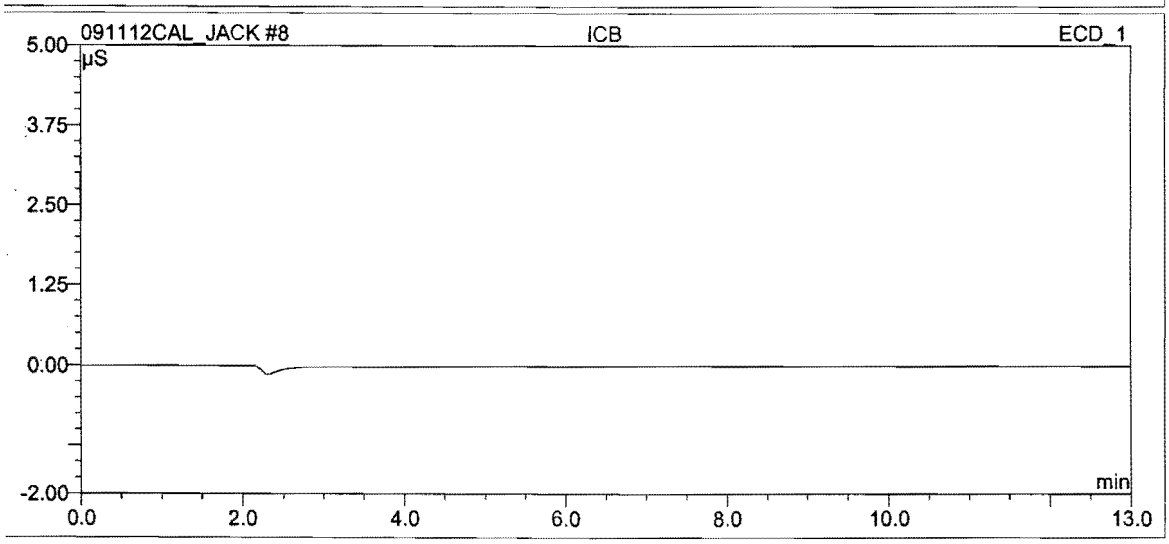


Integration Report - ECD_1

Sample Name:	**ICB**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 19:22**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
		TOTAL:		0.00	0.00	0.00

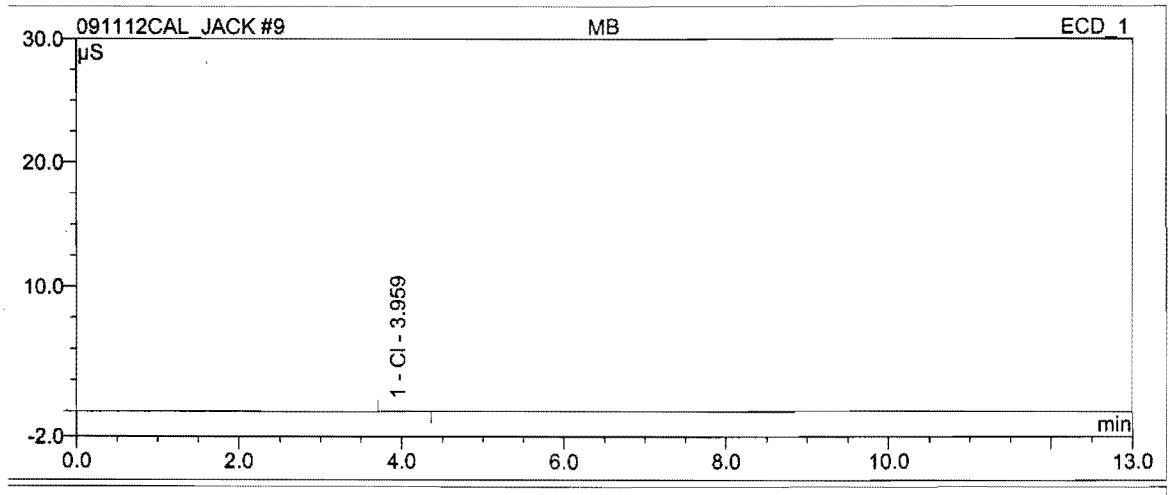


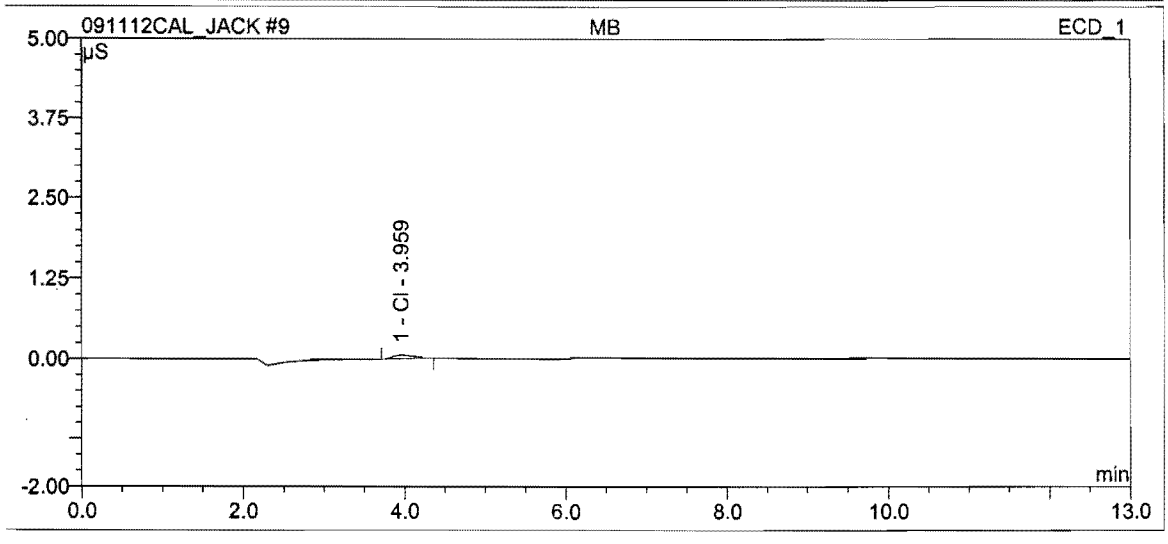


Integration Report - ECD_1

Sample Name:	**MB**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 19:37**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.96	Cl	BMB	0.018	0.058	50.3257
		TOTAL:		0.02	0.06	50.33





Integration Report - ECD_1

Sample Name:	**LCS**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 19:53**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.466	1.954	985.5359
2	3.97	Cl	M	0.735	2.643	2044.3828
3	4.47	NO2	Rd	0.064	0.302	151.4274
4	5.27	Bromide	M	0.276	0.913	1974.3799
5	5.87	NO3	MB	0.330	0.917	383.6279
6	8.08	OPO4	BM	0.701	1.598	7462.4600
7	9.90	SO4	MB	1.789	3.635	7290.5781
		TOTAL:		4.36	11.96	20292.39

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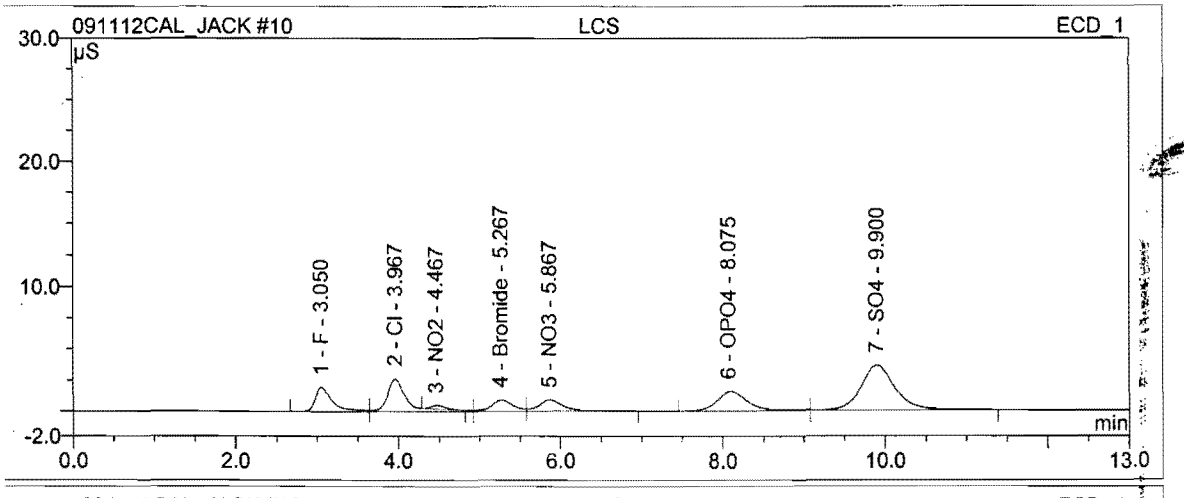
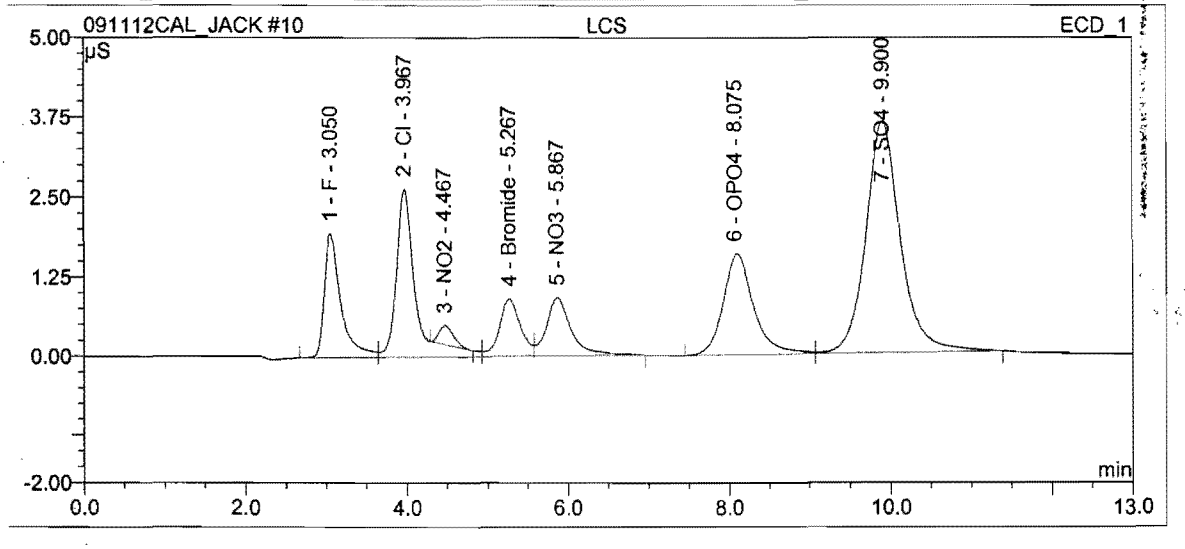


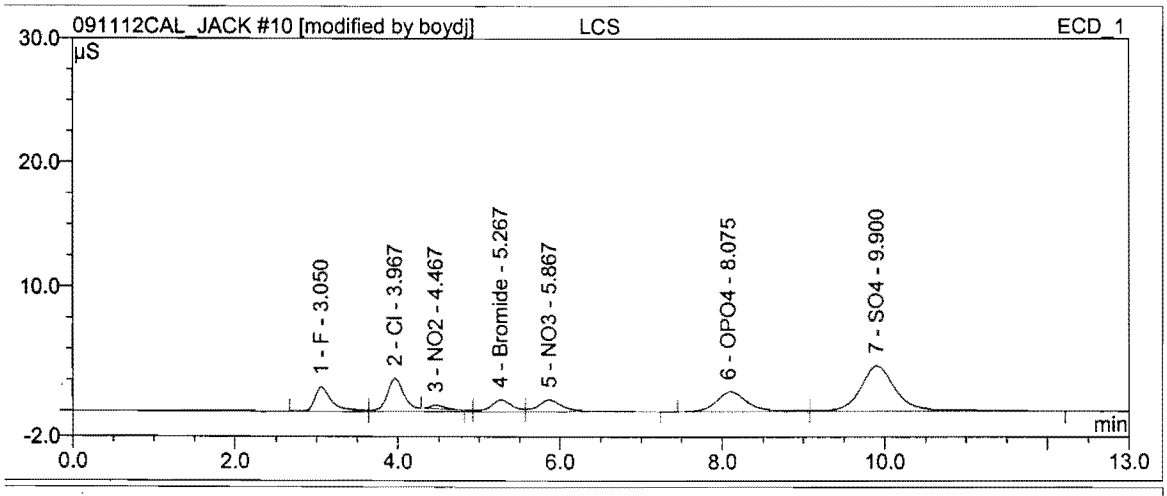


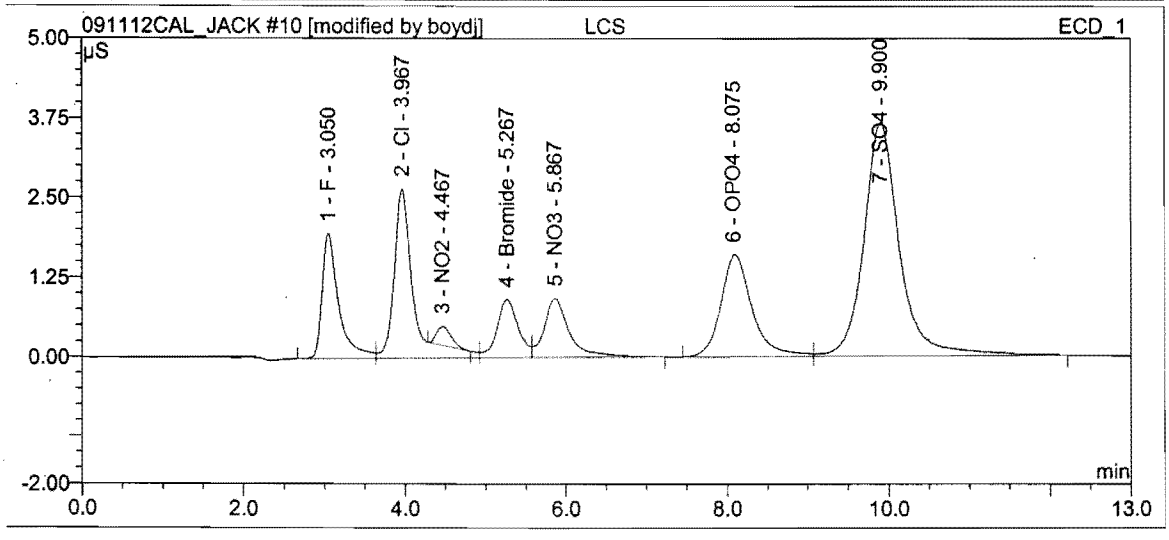
1. Peak Not Found
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing - NO3, SO4
6. Split Peak
7. Other _____

Integration Report - ECD_1

Sample Name:	**LCS**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 19:53**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM *	0.467	1.954	987.4660
2	3.97	Cl	M *	0.739	2.645	2055.4732
3	4.47	NO2	Rd	0.064	0.302	151.4274
4	5.27	Bromide	M *	0.279	0.918	1997.4347
5	5.87	NO3	MB*	0.341	0.923	396.3979
6	8.08	OPO4	BM *	0.716	1.605	7615.3697
7	9.90	SO4	MB*	1.874	3.662	7634.4886
		TOTAL:		4.48	12.01	20838.06





Integration Report - ECD_1

Sample Name:	**562-A-1**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 20:08**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.03	F	BMB	0.059	0.227	125.3894
2	4.45	NO2	BMB	205.761	383.771	483527.1076
3	10.02	SO4	BMB	0.032	0.073	130.4143
		TOTAL:		205.85	384.07	483782.91

MI
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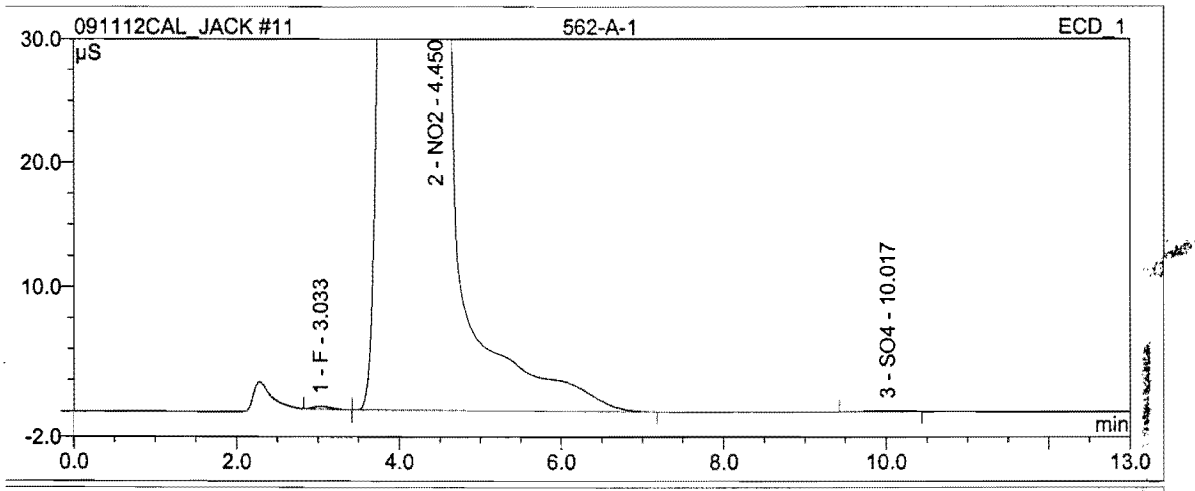
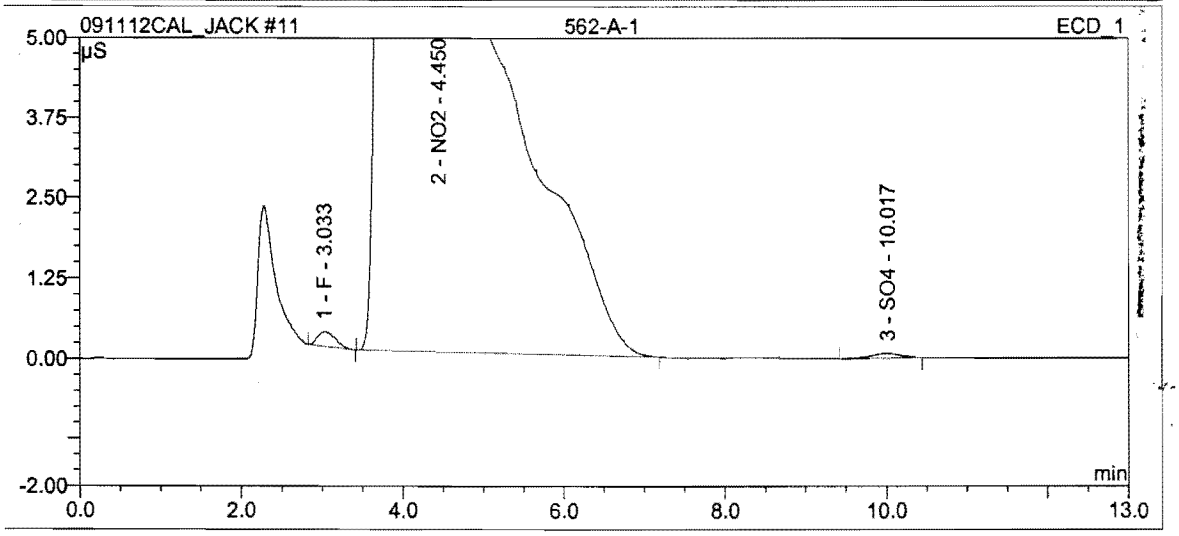
SEP 14 2012



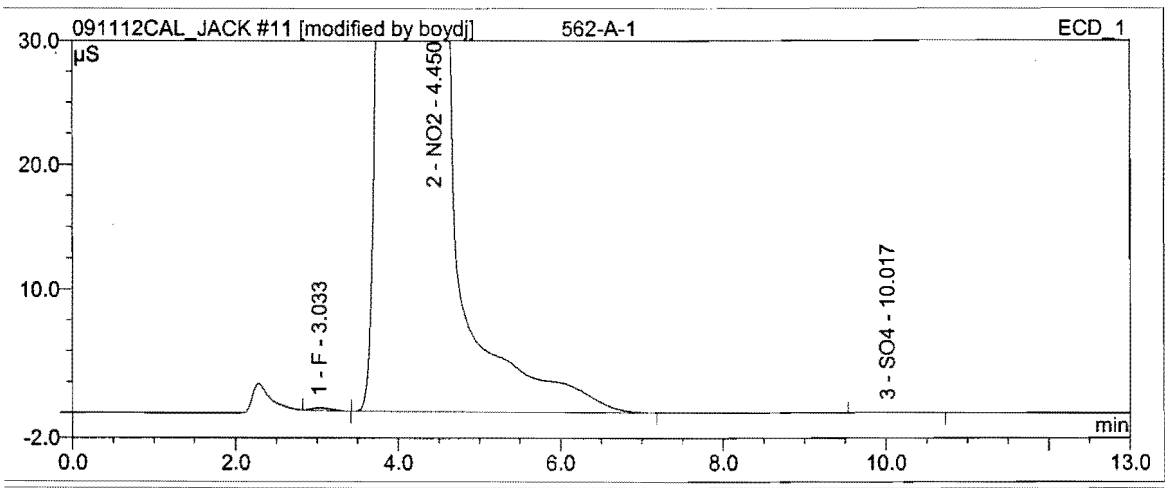


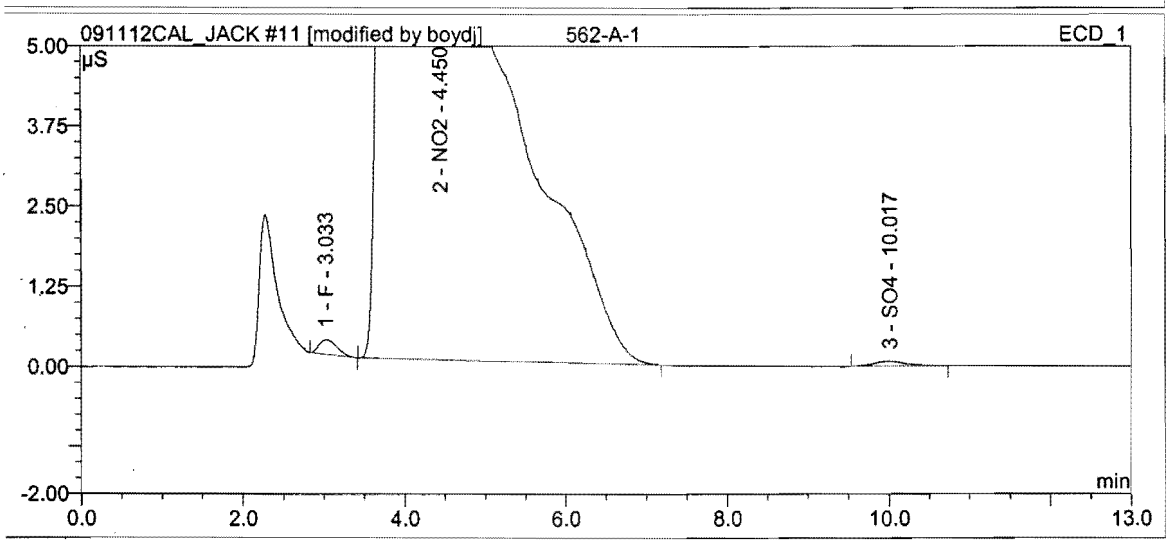
1. Peak Not Found
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing -SO4
6. Split Peak
7. Other _____

Integration Report - ECD_1

Sample Name:	**562-A-1**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 20:08**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.03	F	BMB	0.059	0.227	125.3894
2	4.45	NO2	BMB	205.761	383.771	483527.1076
3	10.02	SO4	BMB*	0.034	0.075	139.8294
		TOTAL:		205.85	384.07	483792.33

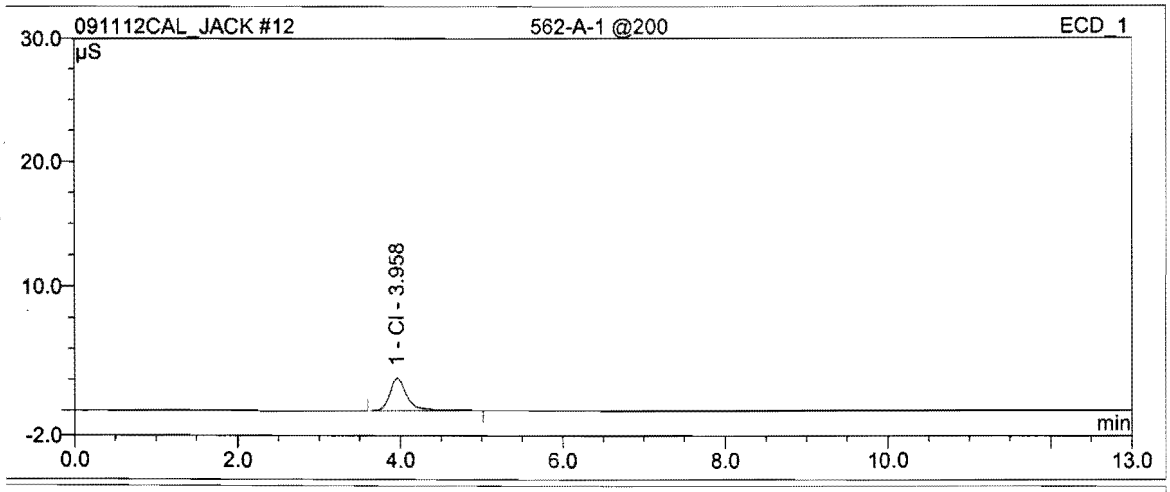


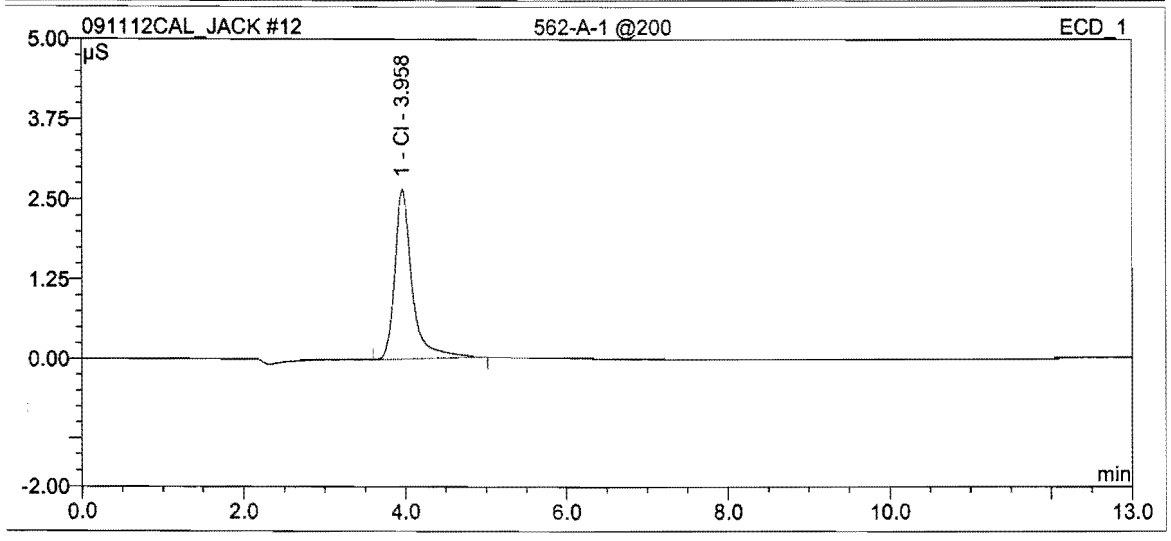


Integration Report - ECD_1

Sample Name:	**562-A-1 @200**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 20:23**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.96	Cl	BMB	0.661	2.654	1839.1430
		TOTAL:		0.66	2.65	1839.14





Integration Report - ECD_1

Sample Name:	**562-A-2**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 20:39**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.253	0.952	535.3798
2	4.28	NO2	M	82.128	238.954	192997.1535
3	5.31	Bromide	MB	1.885	2.693	13475.4494
4	9.93	SO4	BMB	4.602	9.590	18749.8867
		TOTAL:		88.87	252.19	225757.87

MF
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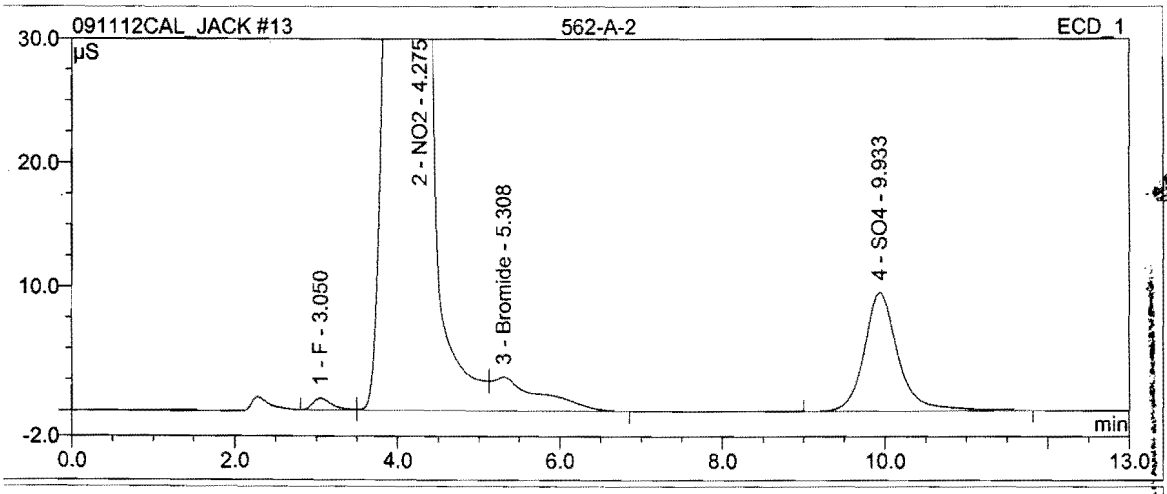
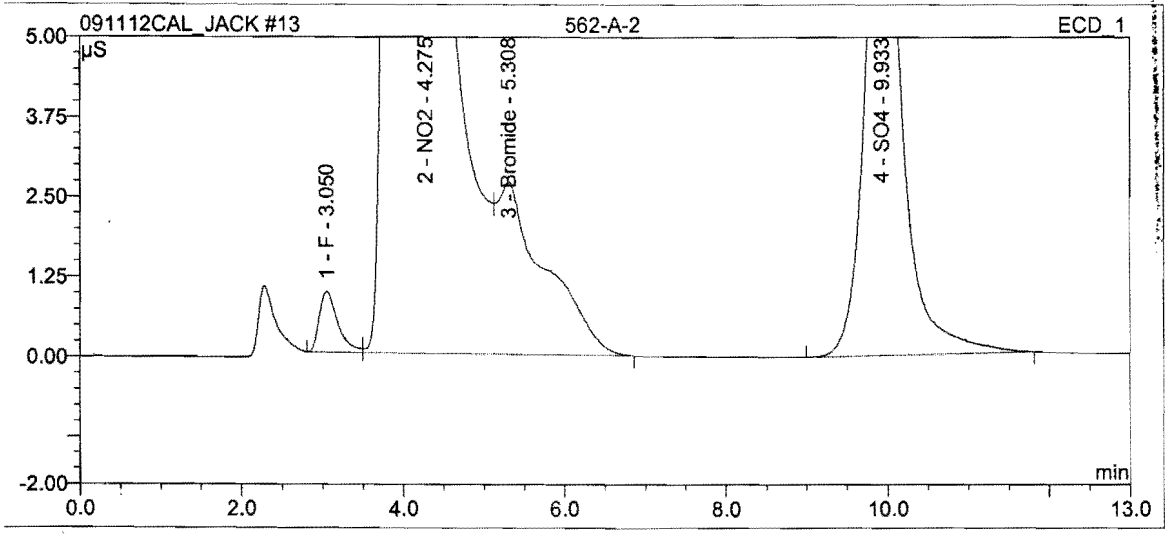


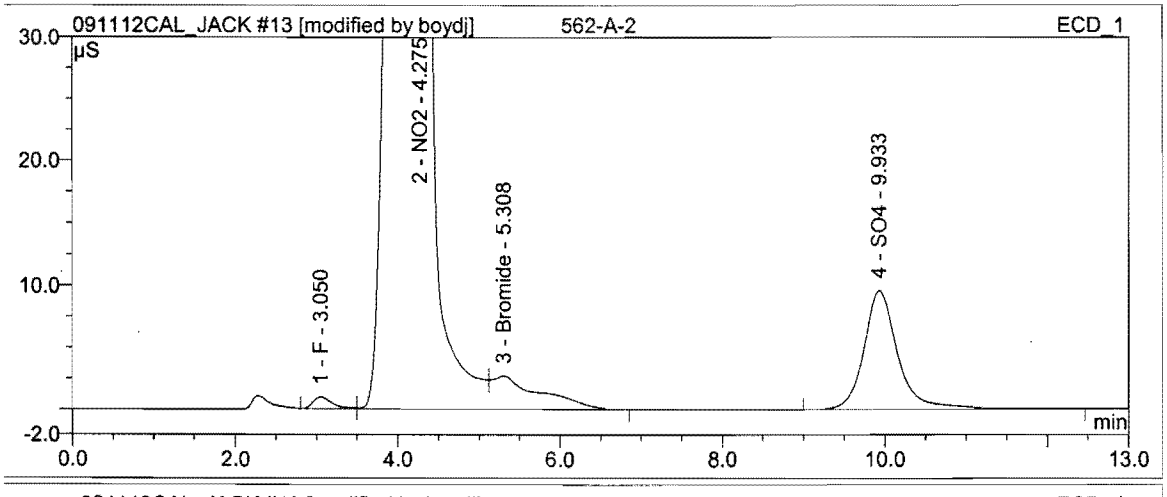


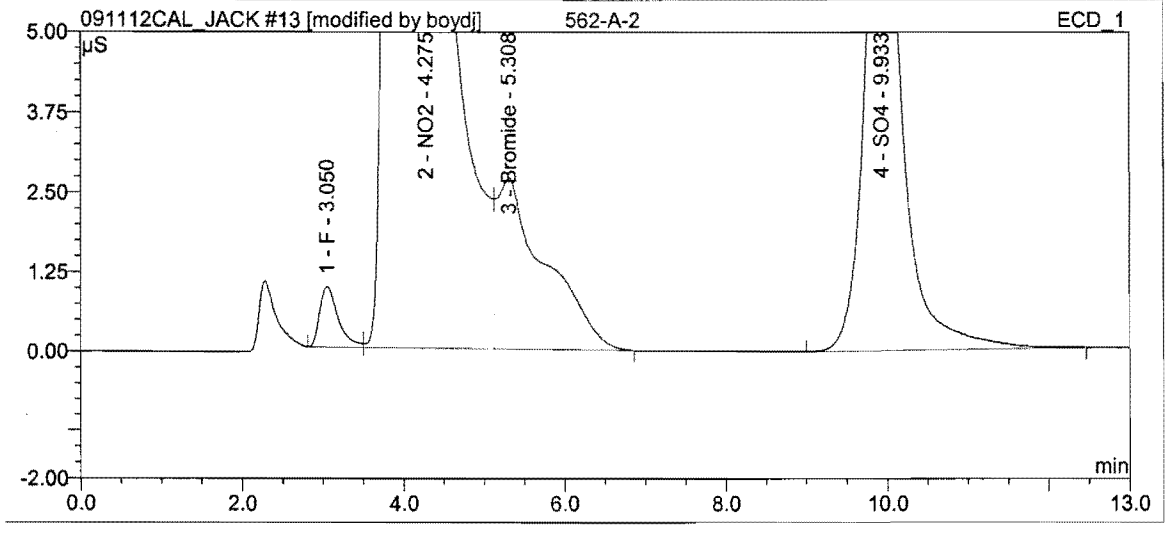
1. Peak Not Found
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing – 504
6. Split Peak
7. Other

Integration Report - ECD_1

Sample Name:	**562-A-2**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 20:39**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.253	0.952	535.3798
2	4.28	NO2	M	82.128	238.954	192997.1535
3	5.31	Bromide	MB	1.885	2.693	13475.4494
4	9.93	SO4	BMB*	4.661	9.601	18989.6366
		TOTAL:		88.93	252.20	225997.62

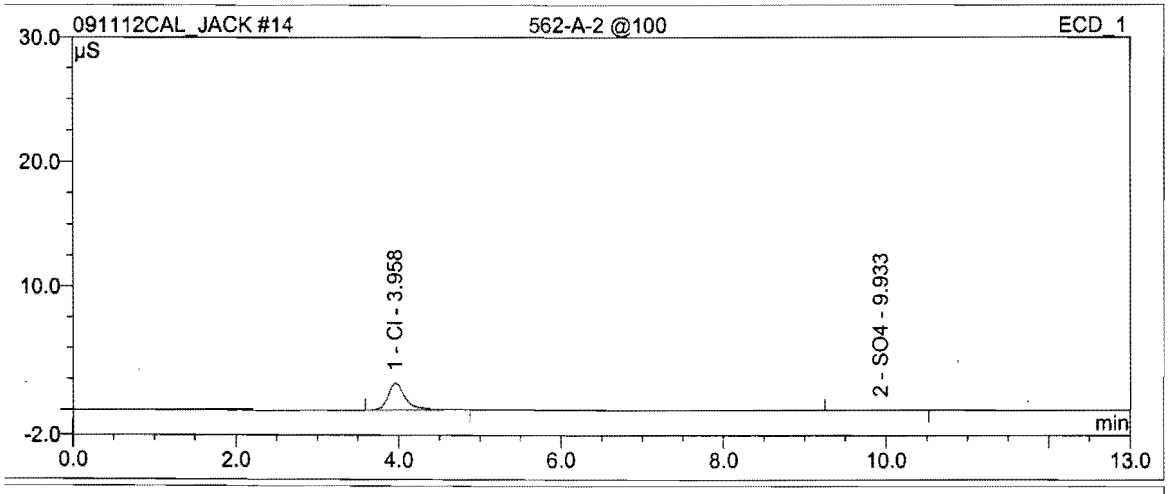


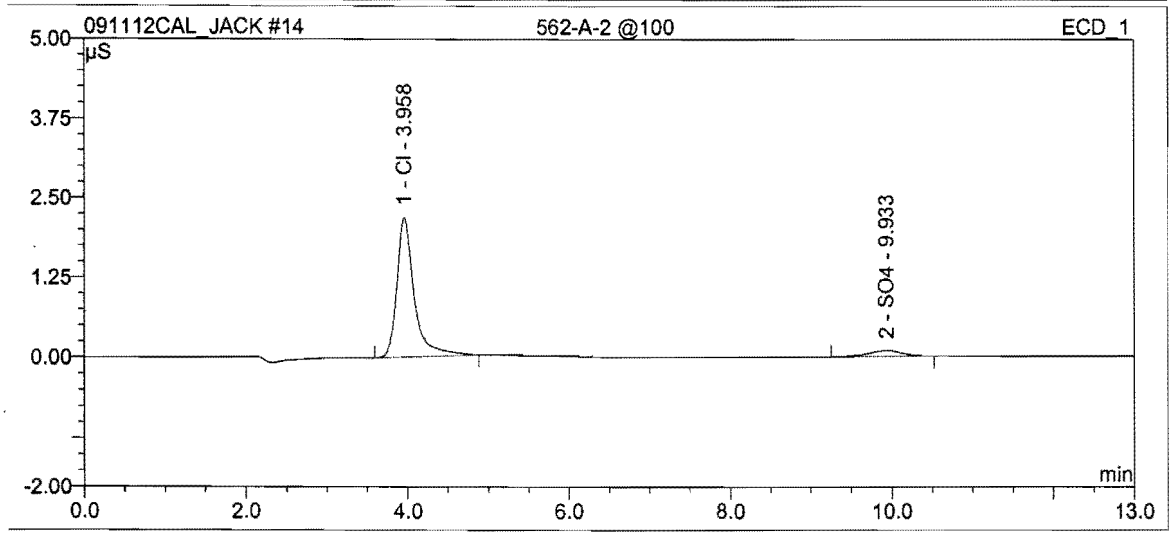


Integration Report - ECD_1

Sample Name:	**562-A-2 @100**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 20:54**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.96	Cl	BMB	0.543	2.184	1512.1972
2	9.93	SO4	BMB	0.046	0.093	187.2817
		TOTAL:		0.59	2.28	1699.48





Integration Report - ECD_1

Sample Name:	**562-A-3**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 21:10**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.06	F	BM	0.853	3.363	1804.6049
2	4.07	Cl	MB	0.589	2.105	1638.4372
3	9.93	SO4	BMB	2.471	5.005	10066.9342
		TOTAL:		3.91	10.47	13509.98

MI
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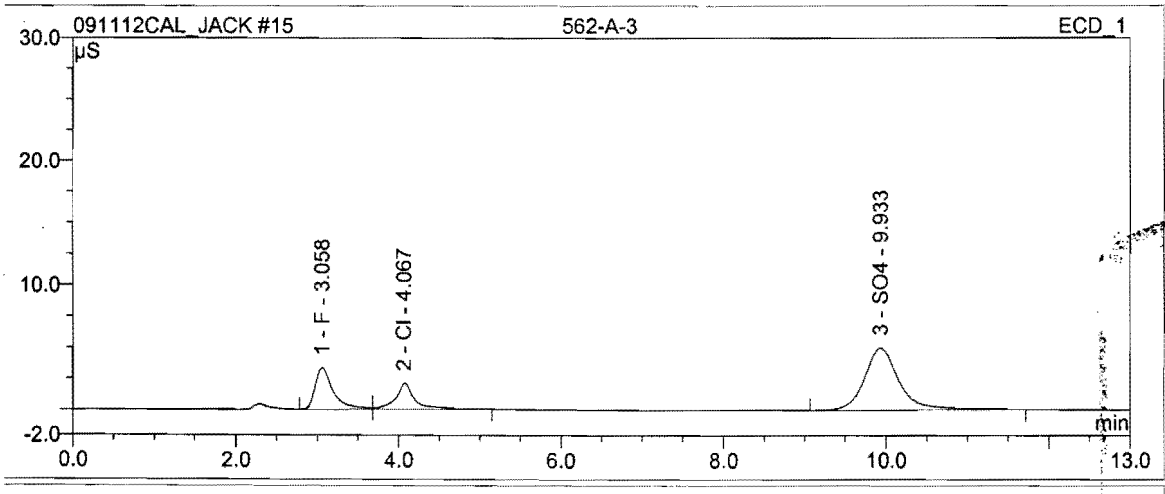
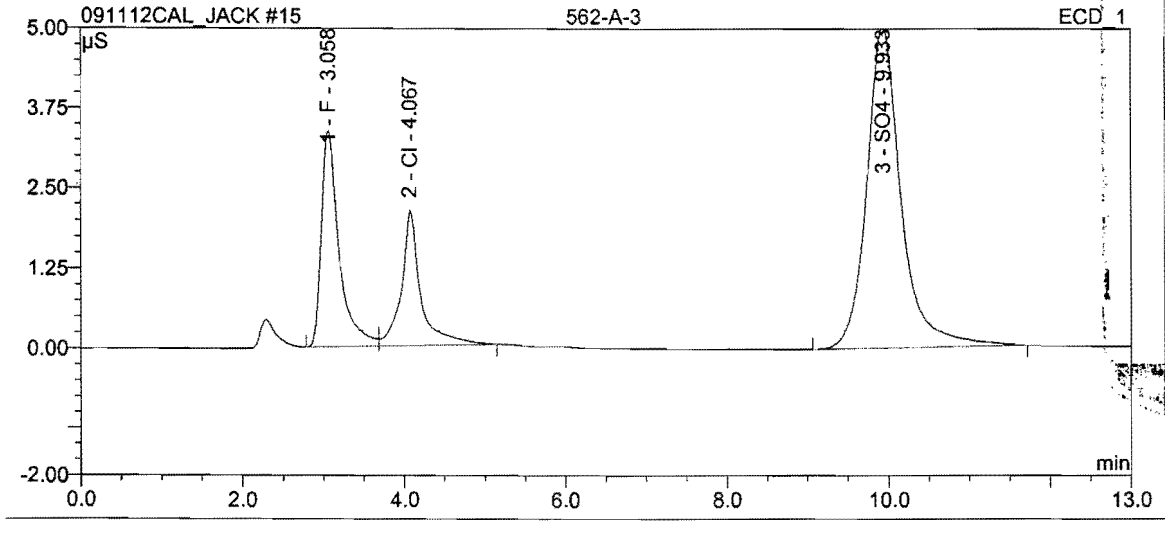


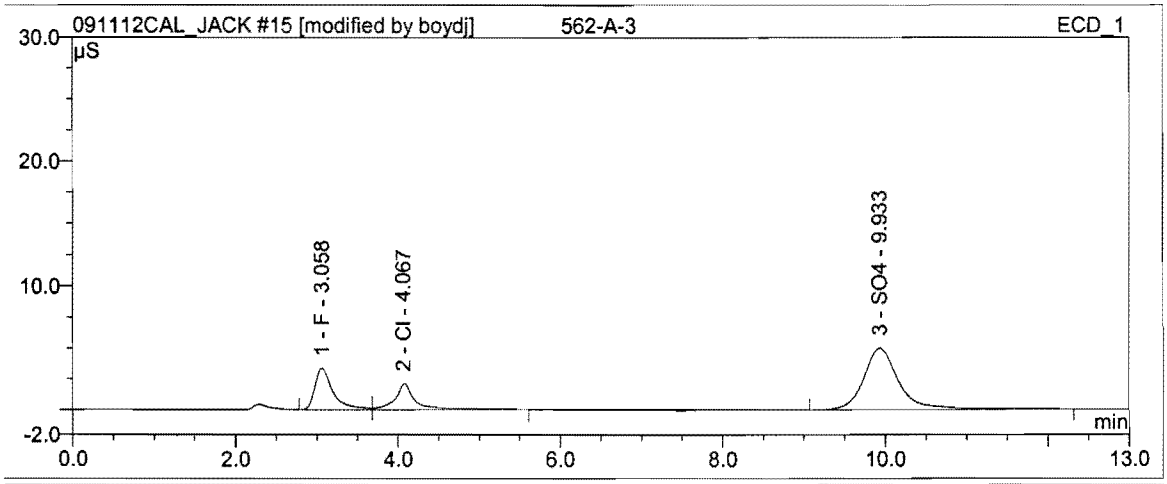


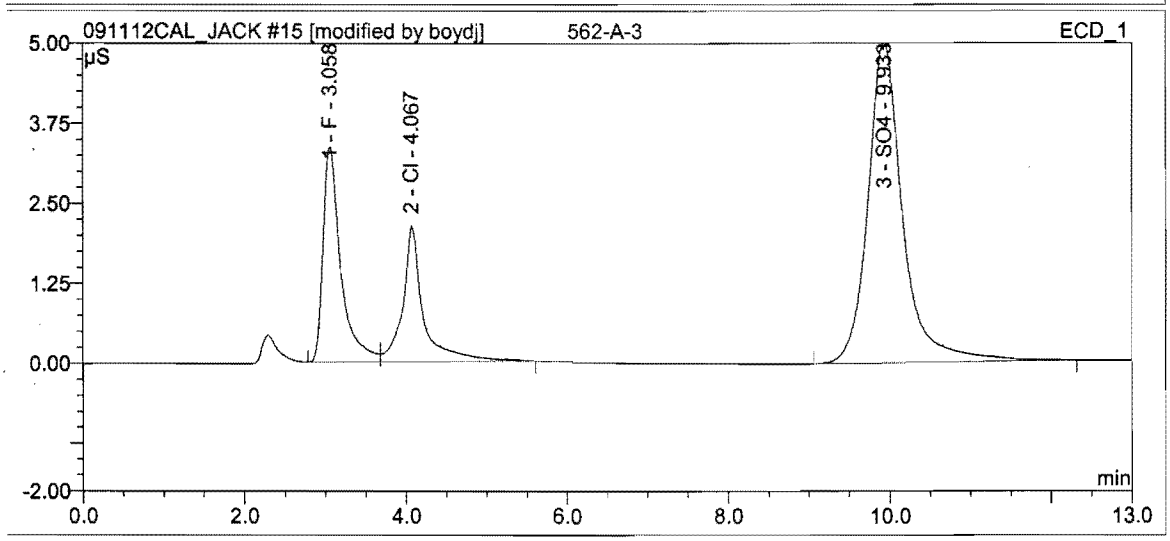
1. Peak Not Valid
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing -Cl, SO4
6. Split Peak
7. Other

Integration Report - ECD_1

Sample Name:	**562-A-3**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 21:10**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.06	F	BM *	0.858	3.366	1815.4334
2	4.07	Cl	MB*	0.627	2.121	1745.2398
3	9.93	SO4	BMB*	2.516	5.014	10250.8468
		TOTAL:		4.00	10.50	13811.52





Integration Report - ECD_1

Sample Name:	**562-A-3 MS**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 21:25**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.06	F	BM	1.824	7.170	3856.5705
2	4.08	Cl	M	1.368	5.207	3806.8776
3	4.51	NO2	Rd	0.027	0.158	63.2426
4	5.30	Bromide	M	0.288	0.977	2056.4407
5	5.88	NO3	MB	0.330	0.946	382.7719
6	8.15	OPO4	BMB	0.281	0.588	2987.6886
7	9.92	SO4	BMB	3.392	6.961	13819.6121
		TOTAL:		7.51	22.01	26973.20

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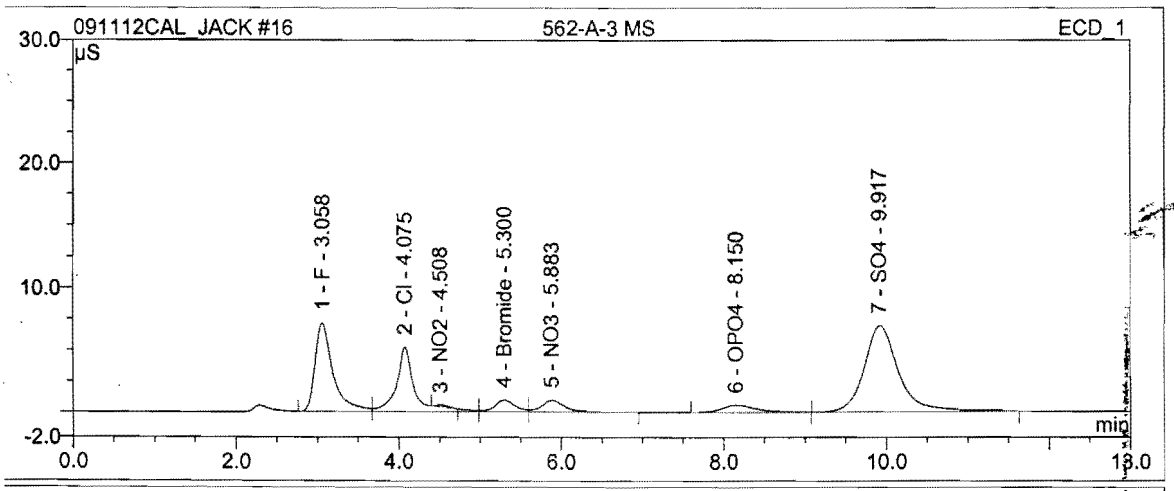
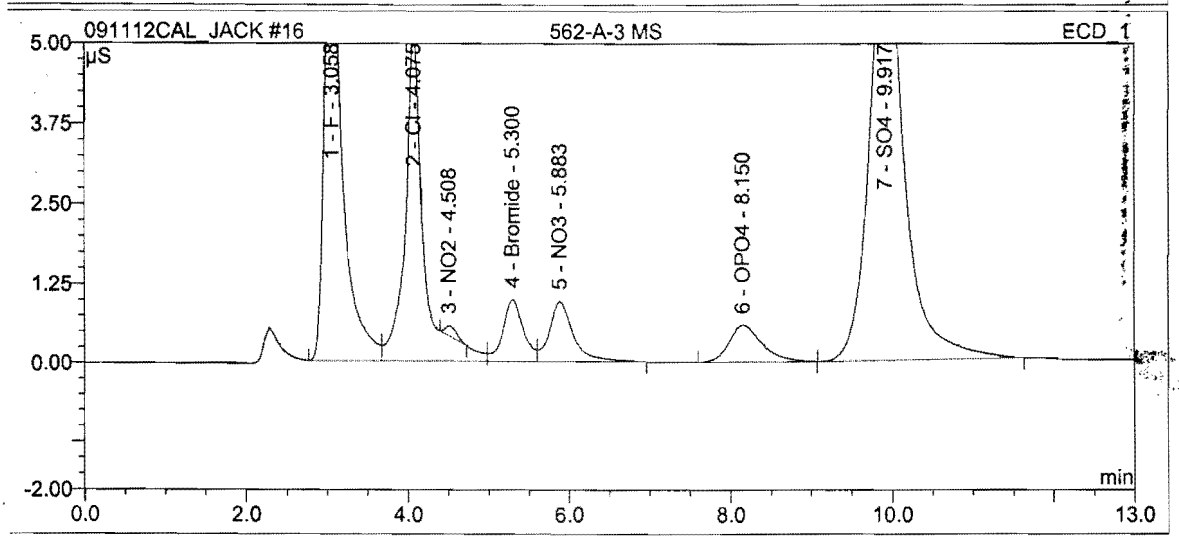


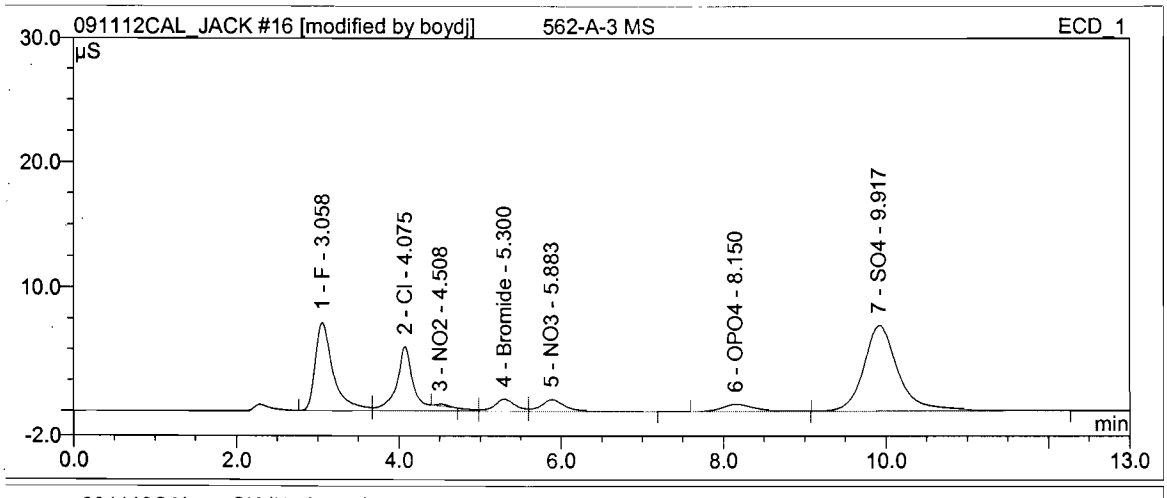


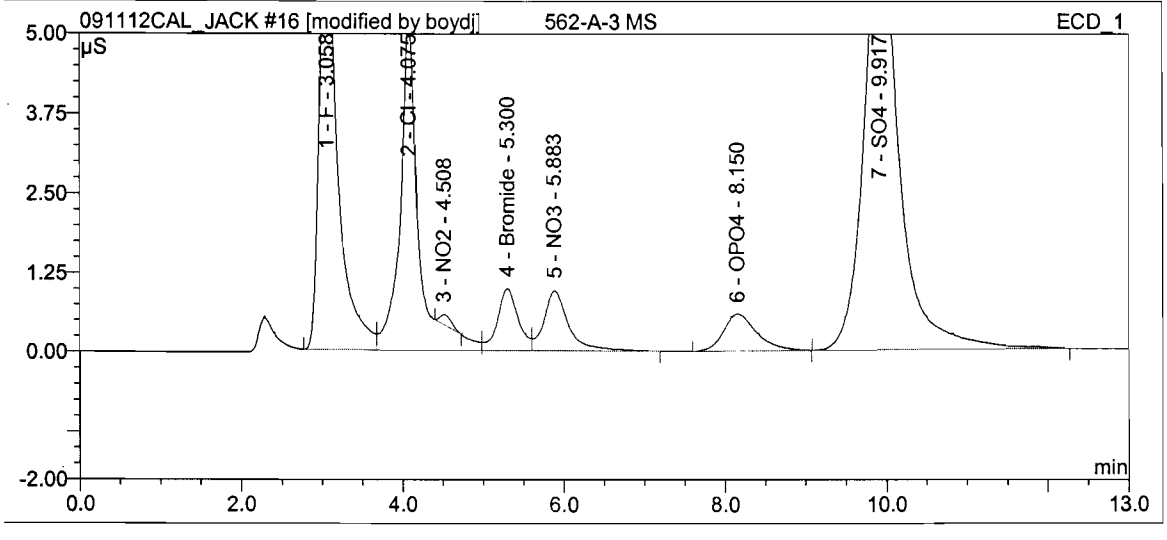
1. Peak Not Found
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing -NO3, SO4
6. Split Peak
7. Other _____

Integration Report - ECD_1

Sample Name:	**562-A-3 MS**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 21:25**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.06	F	BM *	1.824	7.171	3858.0190
2	4.08	Cl	M *	1.371	5.210	3816.3196
3	4.51	NO2	Rd	0.027	0.158	63.2426
4	5.30	Bromide	M *	0.290	0.981	2074.9058
5	5.88	NO3	MB*	0.338	0.951	392.5809
6	8.15	OPO4	BMB	0.281	0.588	2987.6886
7	9.92	SO4	BMB*	3.451	6.973	14061.5561
		TOTAL:		7.58	22.03	27254.31





Integration Report - ECD_1

Sample Name:	**562-A-4**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 21:41**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.06	F	Ru	0.215	0.875	455.1054
2	4.11	Cl	BM	1.779	7.546	4951.8817
3	5.90	NO3	MB	0.067	0.214	78.2128
4	9.89	SO4	BMB	14.170	29.752	57734.0912
		TOTAL:		16.23	38.39	63219.29

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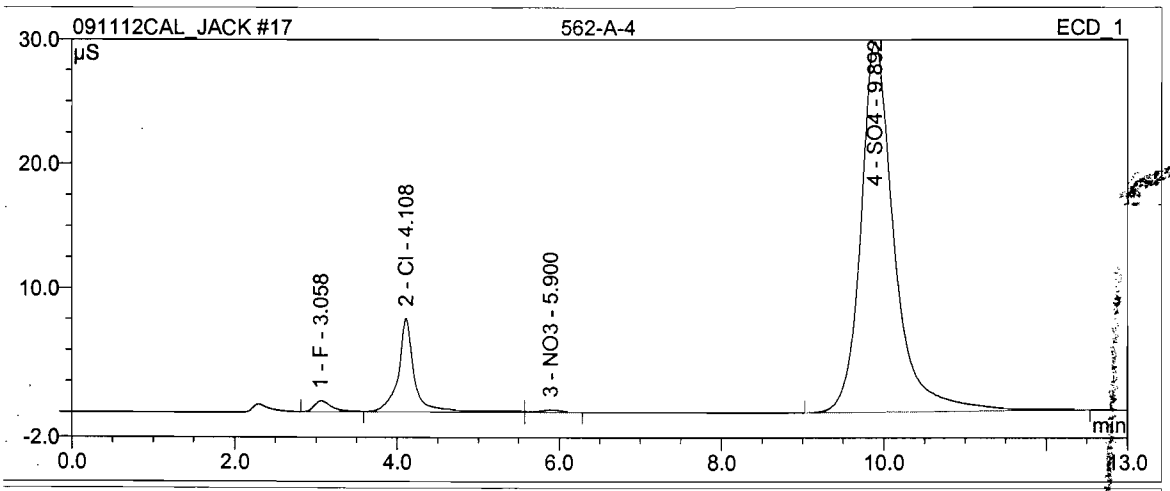
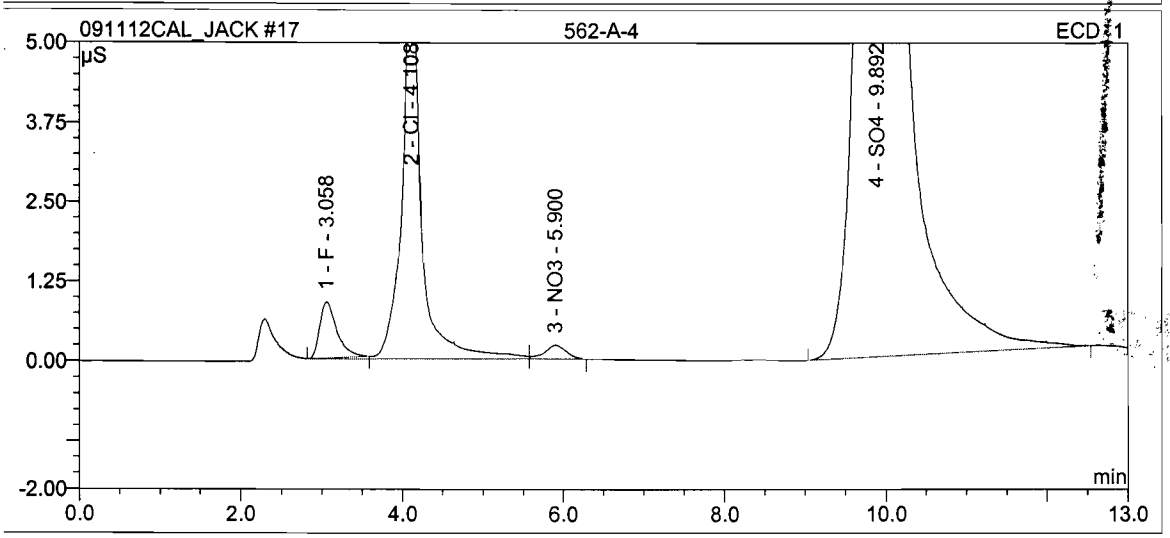


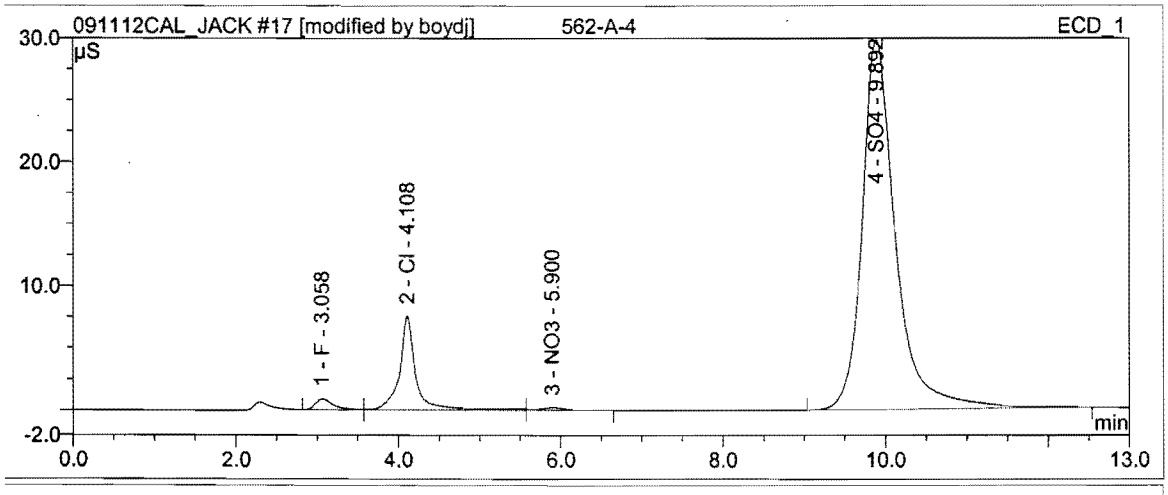


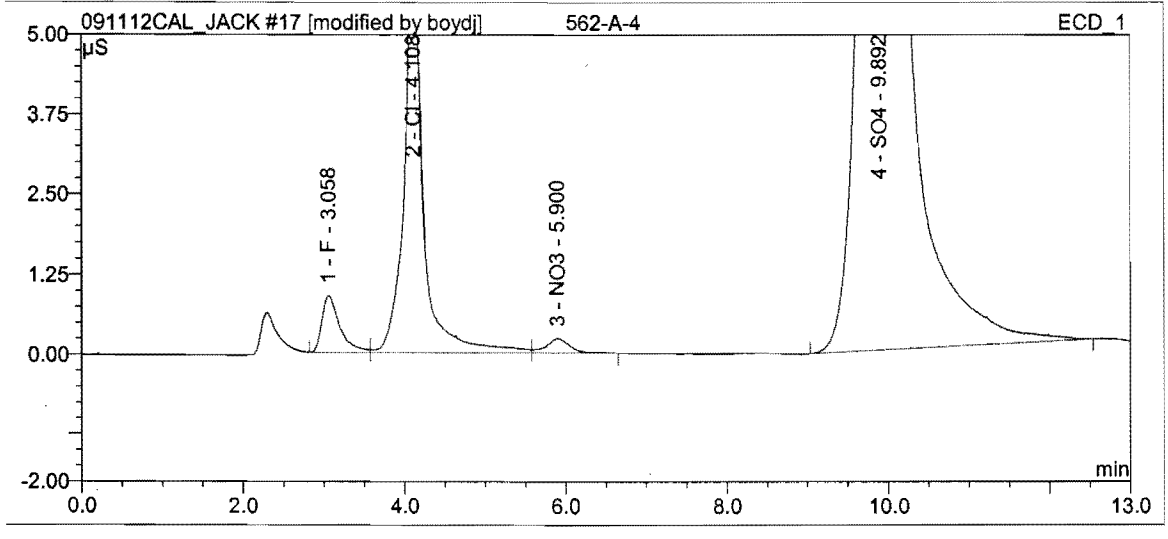
1. Peak Not Found
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing - NO3
6. Split Peak - F/Cl
7. Other

Integration Report - ECD_1

Sample Name:	**562-A-4**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 21:41**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.06	F	BM *	0.229	0.887	485.3303
2	4.11	Cl	M *	1.776	7.550	4942.9285
3	5.90	NO3	MB*	0.077	0.223	89.2054
4	9.89	SO4	BMB	14.170	29.752	57734.0912
		TOTAL:		16.25	38.41	63251.56



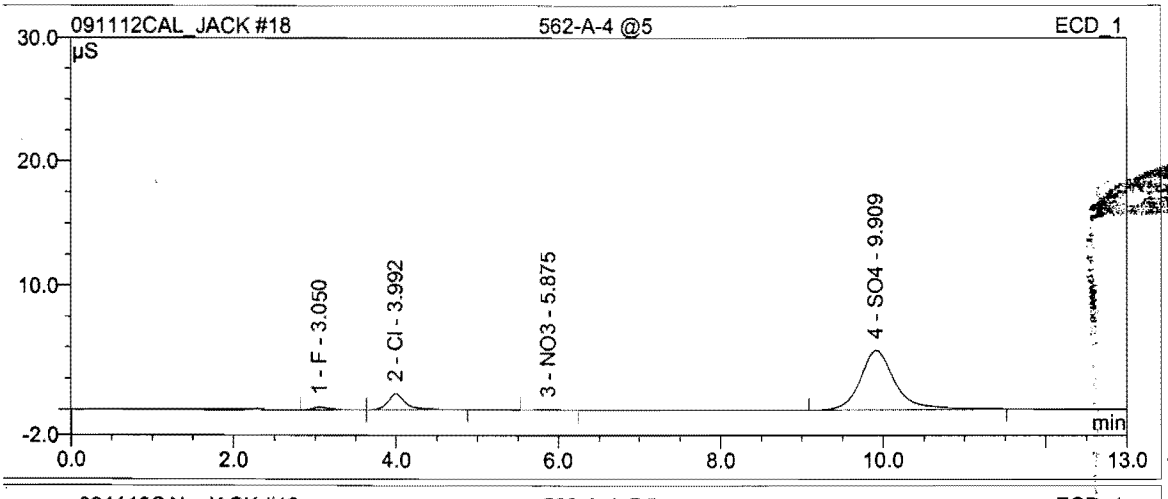


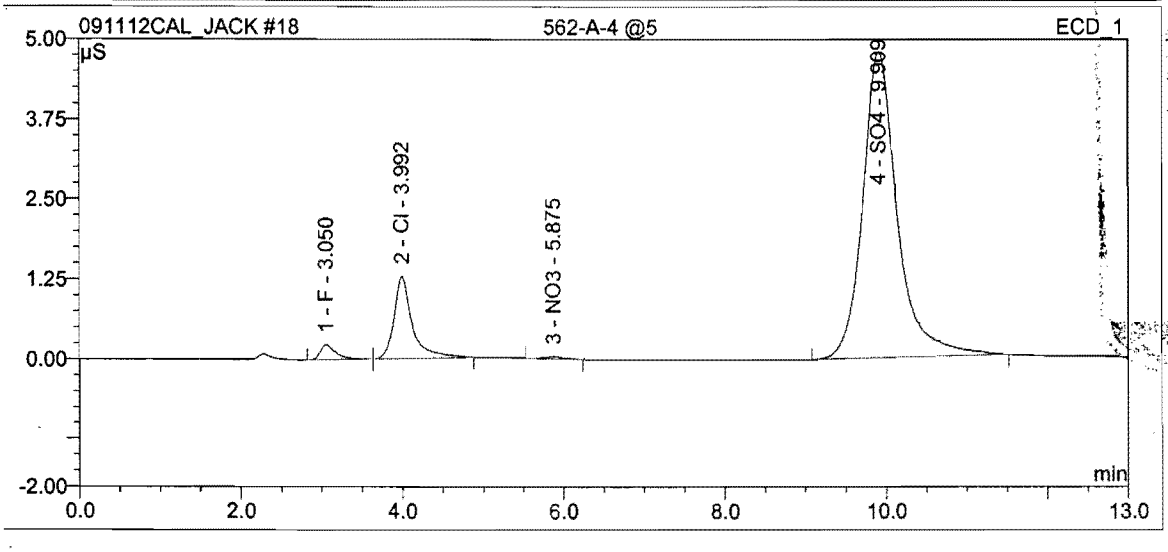
Integration Report - ECD_1

Sample Name:	**562-A-4 @5**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 21:56**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BMB	0.054	0.235	114.5576
2	3.99	Cl	bMB	0.338	1.287	941.0777
3	5.88	NO3	BMB	0.012	0.038	13.4326
4	9.91	SO4	BMB	2.379	4.776	9694.1941
		TOTAL:		2.78	6.34	10763.26

MI
JB
SEP 14 2012



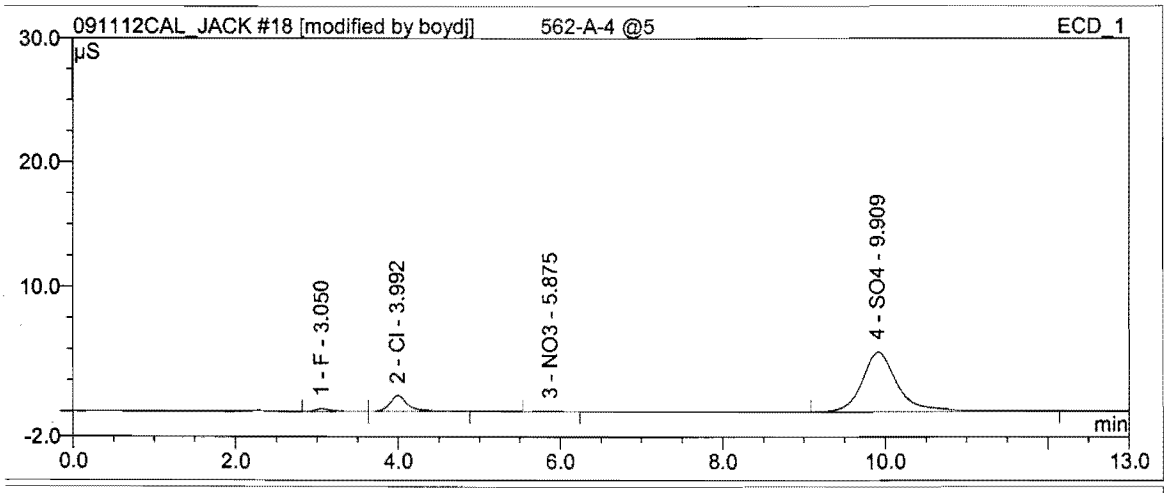


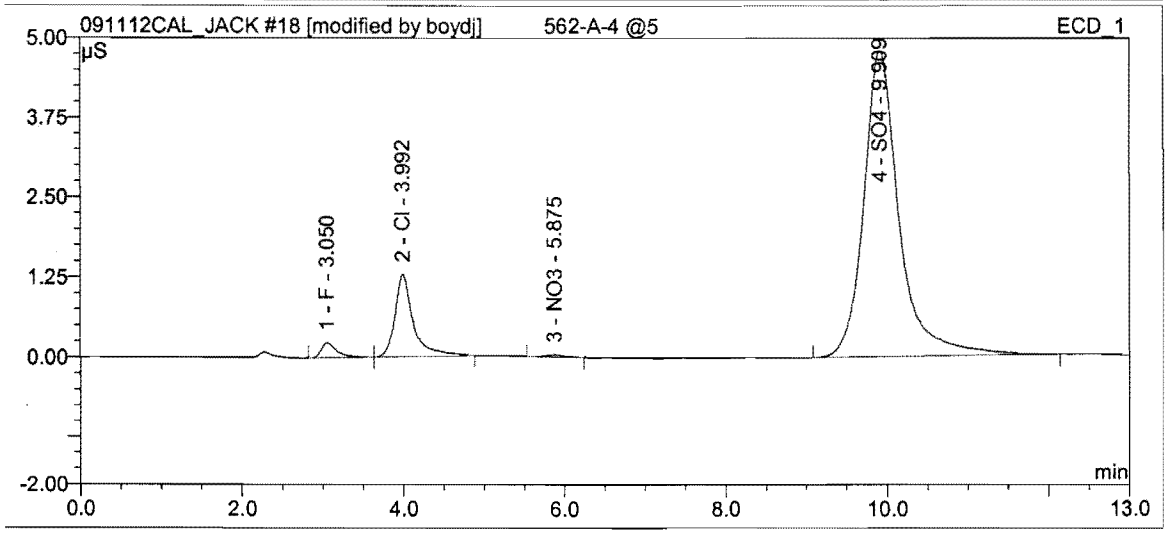
1. Peak Not Found
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing -504
6. Split Peak
7. Other

Integration Report - ECD_1

Sample Name:	**562-A-4 @5**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 21:56**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BMb*	0.054	0.235	114.5576
2	3.99	Cl	bMB	0.338	1.287	941.0777
3	5.88	NO3	BMB	0.012	0.038	13.4326
4	9.91	SO4	BMB*	2.433	4.788	9912.1841
		TOTAL:		2.84	6.35	10981.25





Integration Report - ECD_1

Sample Name:	**CCV**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 22:11**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.462	1.877	977.7755
2	3.97	Cl	M	0.765	2.620	2129.3161
3	4.47	NO2	Rd	0.057	0.280	134.6052
4	5.27	Bromide	M	0.272	0.895	1944.1146
5	5.86	NO3	M	0.339	0.902	394.1396
6	8.10	OPO4	M	0.696	1.548	7399.4295
7	9.90	SO4	MB	1.813	3.569	7386.2967
		TOTAL:		4.40	11.69	20365.68

MJ
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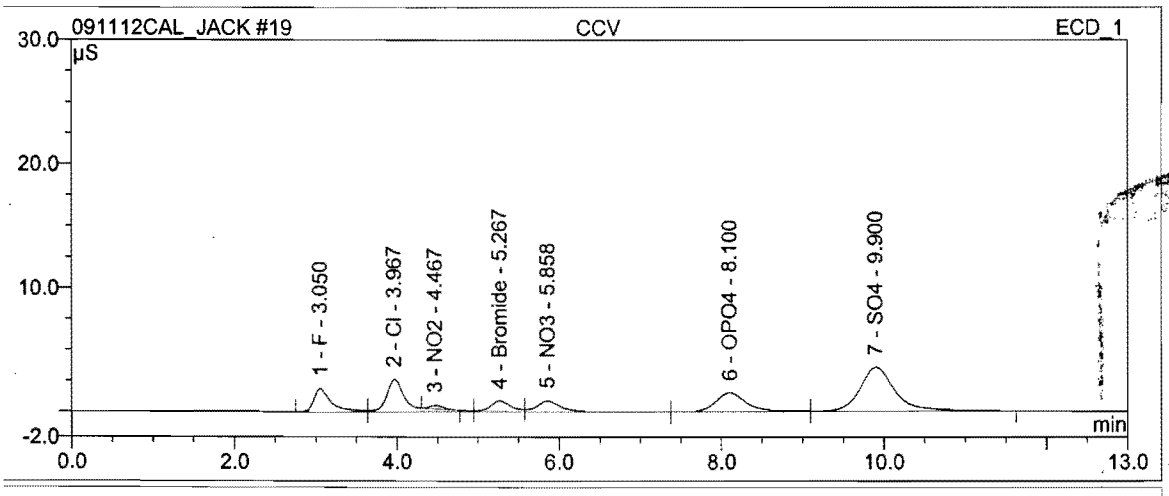
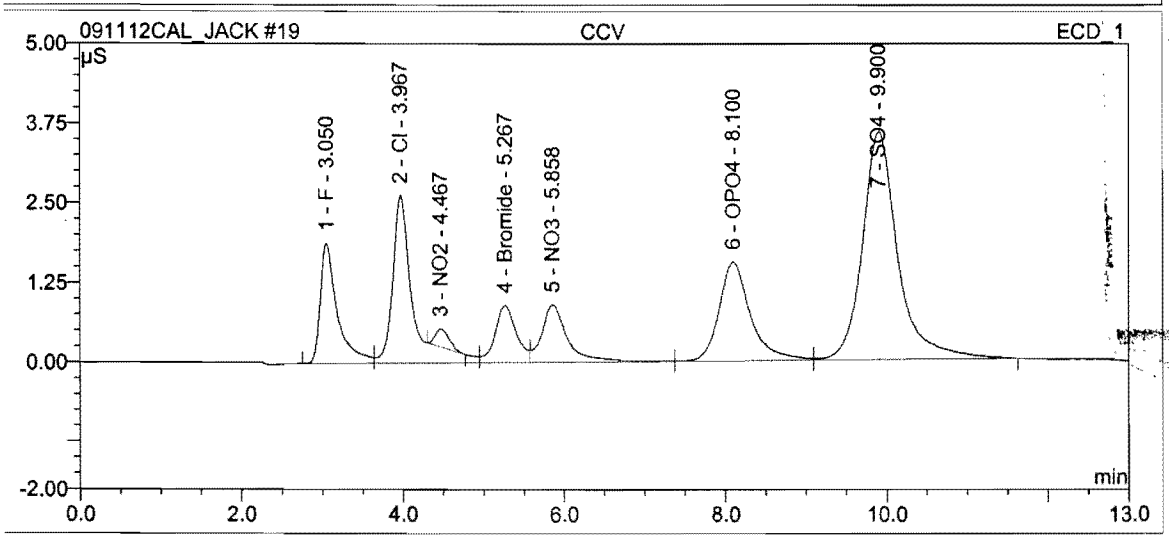


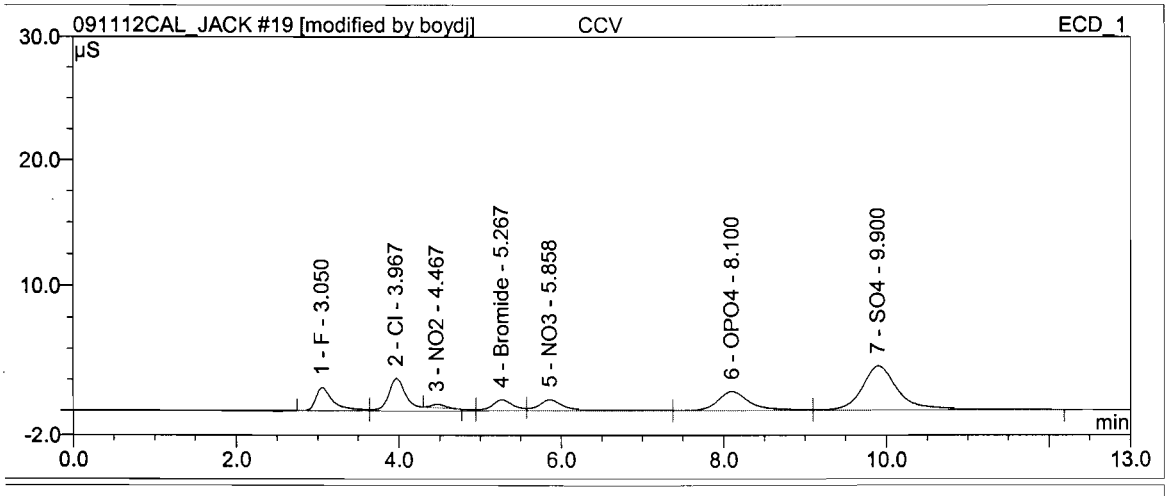


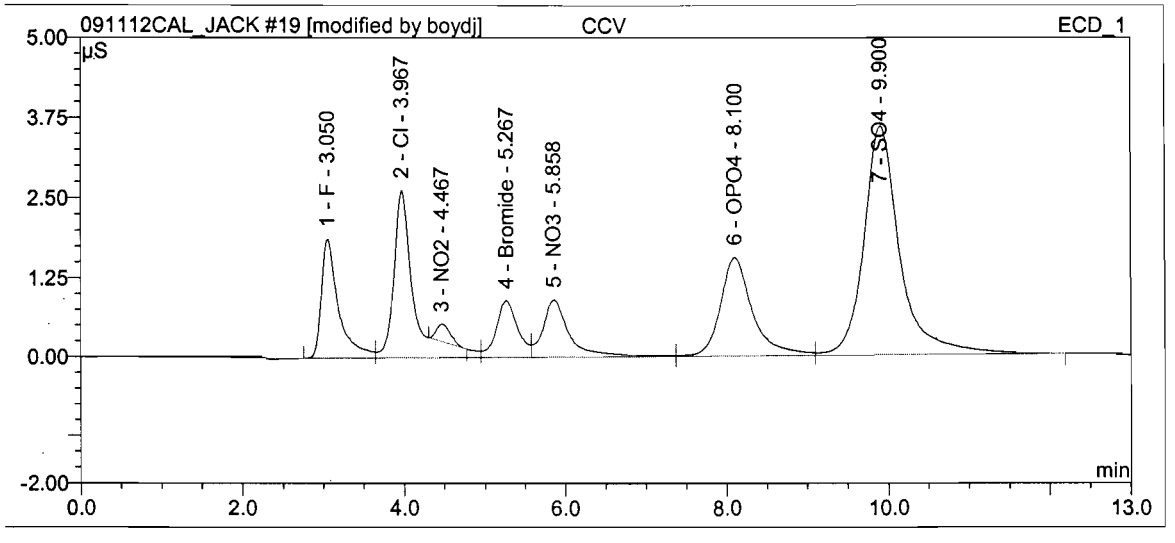
1. Peak Not Found
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing -SO4
6. Split Peak
7. Other _____

Integration Report - ECD_1

Sample Name:	**CCV**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 22:11**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM *	0.463	1.878	979.8480
2	3.97	Cl	M *	0.770	2.623	2143.1862
3	4.47	NO2	Rd	0.057	0.280	134.6052
4	5.27	Bromide	M *	0.276	0.901	1971.7687
5	5.86	NO3	M *	0.356	0.910	413.3283
6	8.10	OPO4	M *	0.719	1.561	7647.5242
7	9.90	SO4	MB*	1.867	3.586	7604.6123
		TOTAL:		4.51	11.74	20894.87

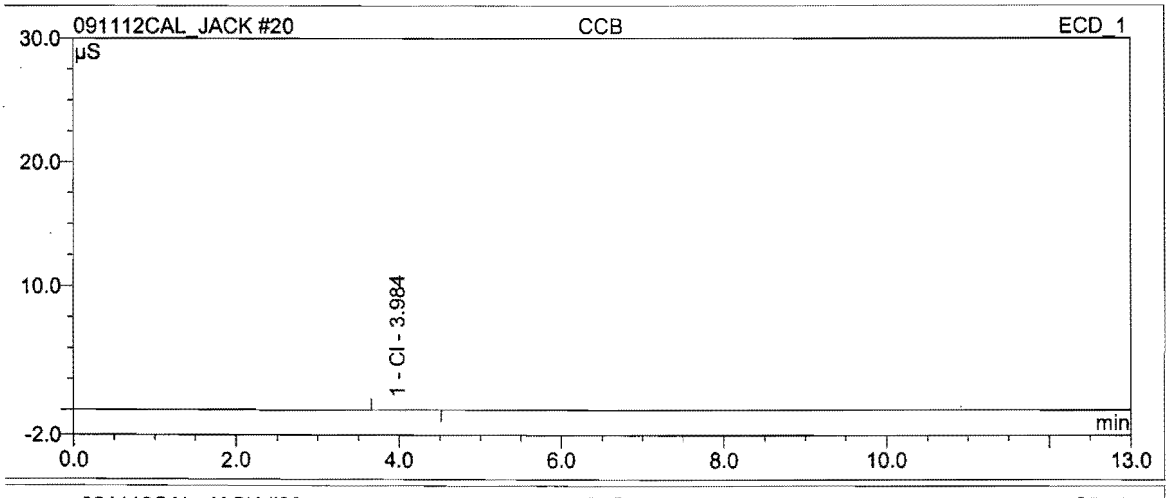


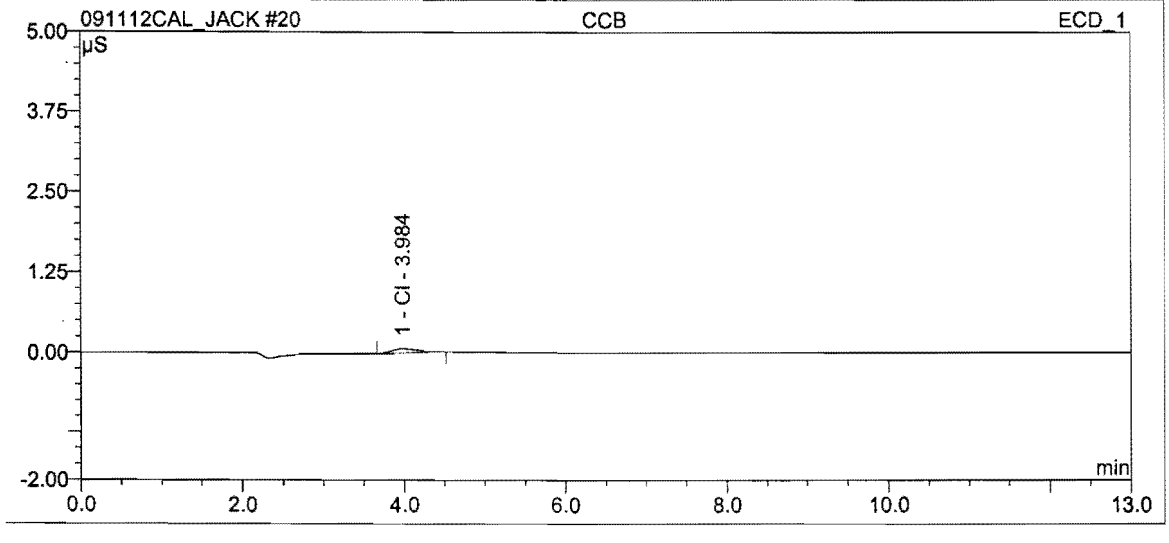


Integration Report - ECD_1

Sample Name:	**CCB**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 22:27**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.98	Cl	BMB	0.025	0.065	68.7998
		TOTAL:		0.02	0.07	68.80

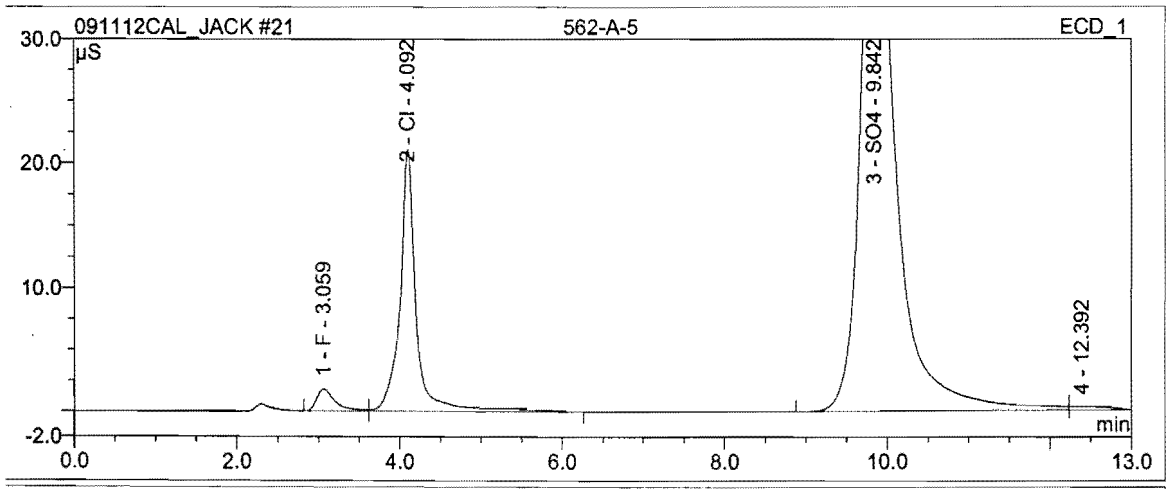


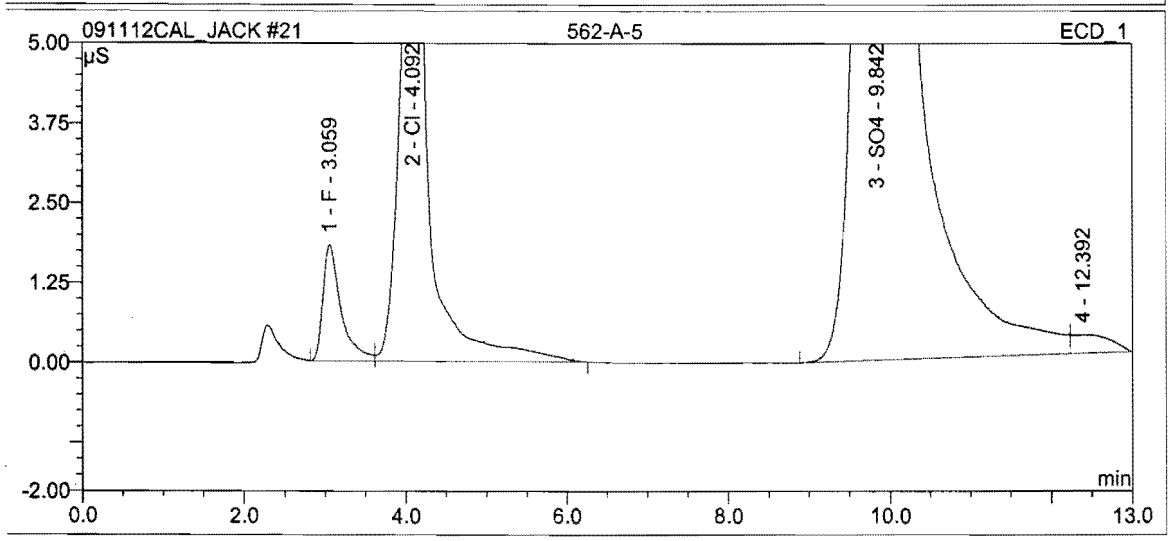


Integration Report - ECD_1

Sample Name:	**562-A-5**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 22:42**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.06	F	BM	0.473	1.812	1001.2388
2	4.09	Cl	MB	4.859	21.042	13524.2592
3	9.84	SO4	BM	23.359	48.450	95168.5273
		TOTAL:		28.69	71.30	109694.03





Integration Report - ECD_1

Sample Name:	**562-A-5 @10**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 22:58**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.04	F	Ru	0.053	0.228	113.1192
2	3.95	Cl	BMB	0.415	1.617	1154.5865
3	9.89	SO4	BMB	1.792	3.556	7300.6777
		TOTAL:		2.26	5.40	8568.38

MI
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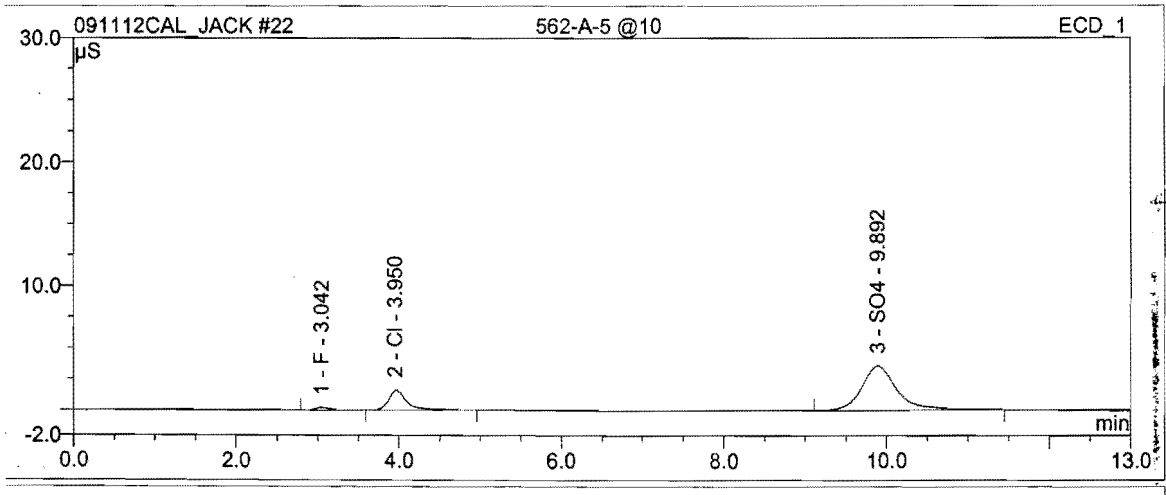
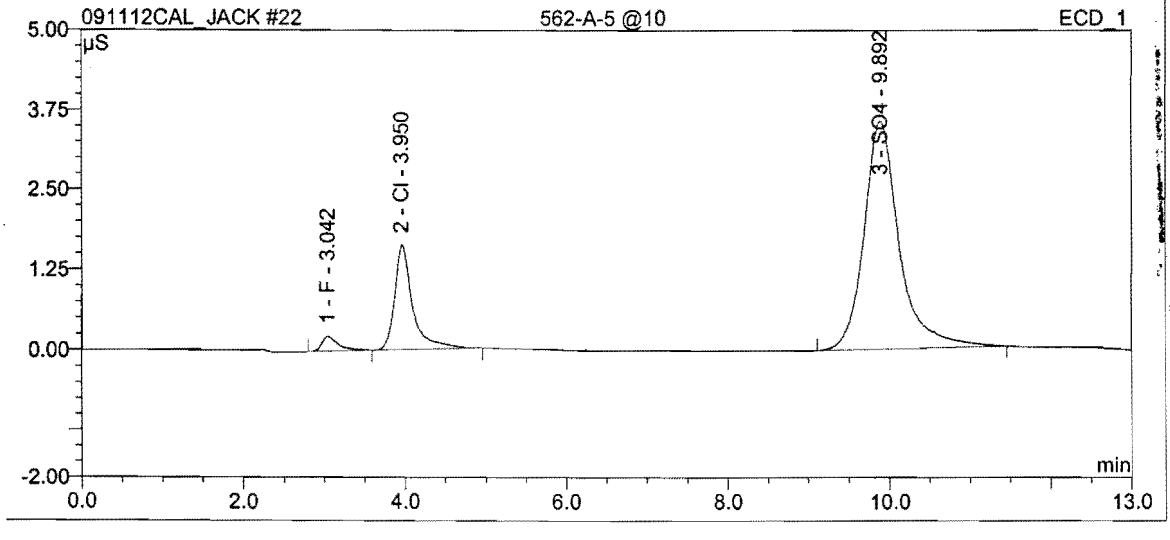


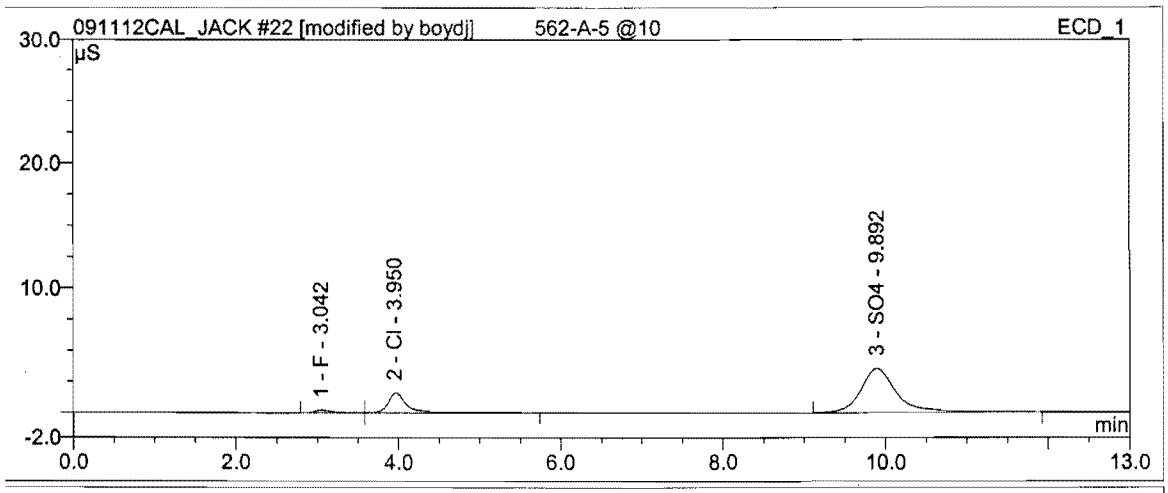


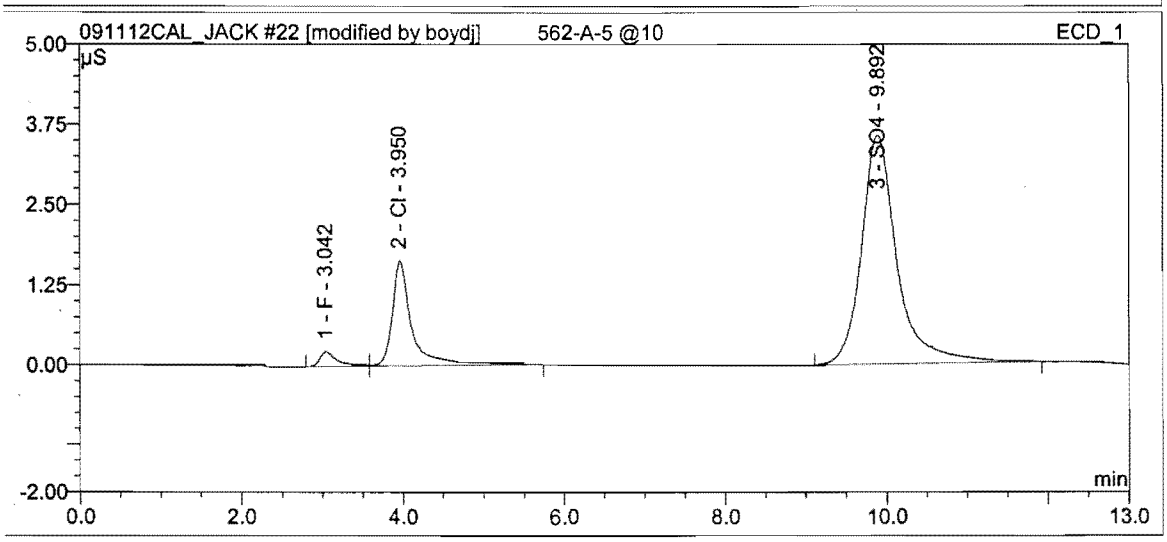
1. Peak Not Found
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing - Cl, SO4
6. Split Peak - F/Cl
7. Other

Integration Report - ECD_1

Sample Name:	**562-A-5 @10**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 22:58**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.04	F	BM *	0.058	0.231	121.8230
2	3.95	Cl	MB*	0.464	1.635	1292.0271
3	9.89	SO4	BMB*	1.830	3.565	7455.6320
		TOTAL:		2.35	5.43	8869.48

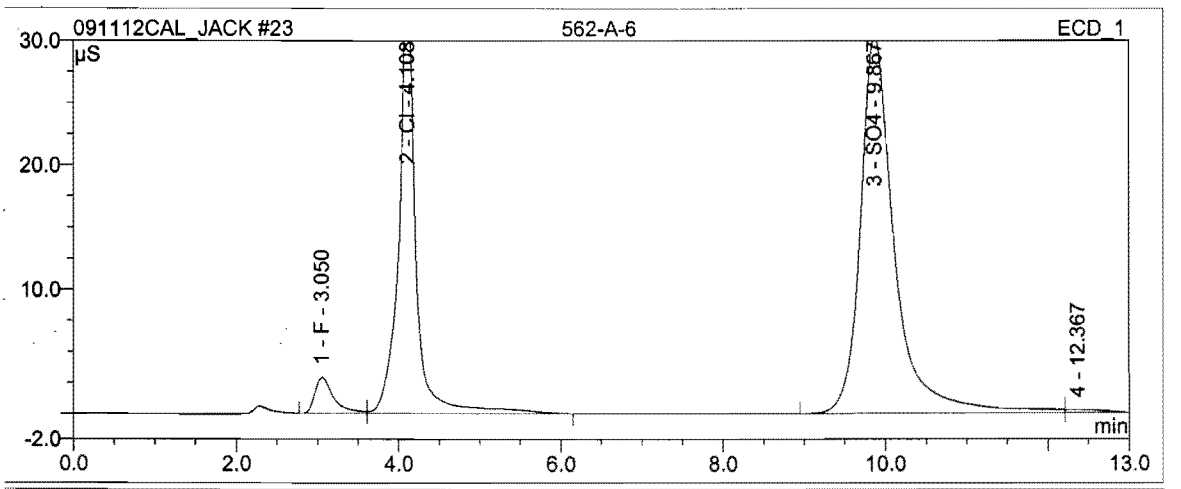


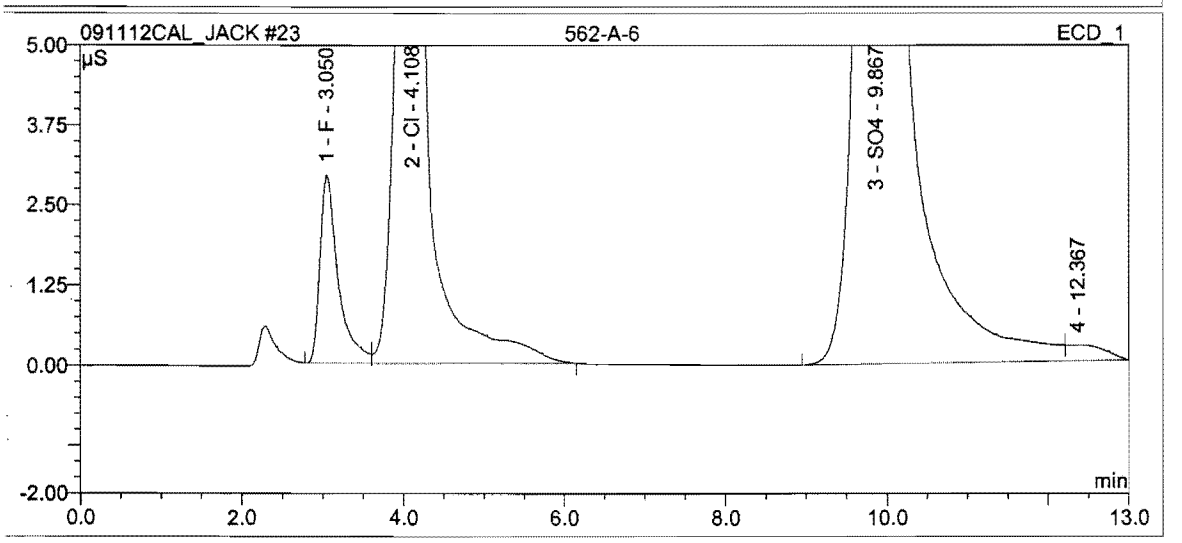


Integration Report - ECD_1

Sample Name:	**562-A-6**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 23:13**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.770	2.929	1627.9542
2	4.11	Cl	MB	8.279	36.435	23042.0867
3	9.87	SO4	BM	14.749	30.305	60090.6525
		TOTAL:		23.80	69.67	84760.69





Integration Report - ECD_1

Sample Name:	**562-A-6 @10**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 23:28**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BMB	0.084	0.351	177.2875
2	3.98	Cl	bMB	0.672	2.609	1871.0388
3	9.91	SO4	BMB	1.190	2.329	4847.5362
		TOTAL:		1.95	5.29	6895.86

MF
JB
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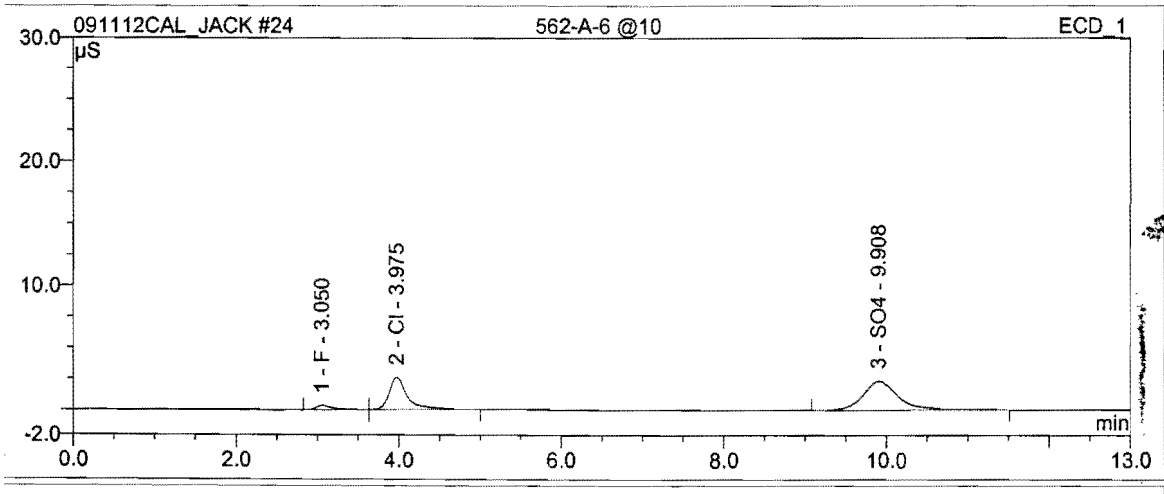
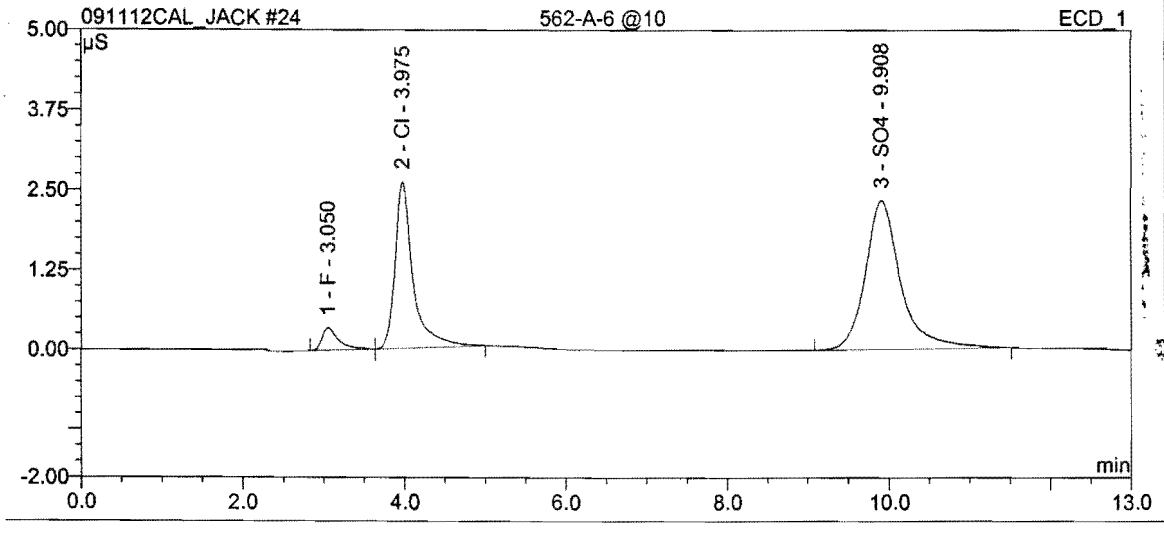


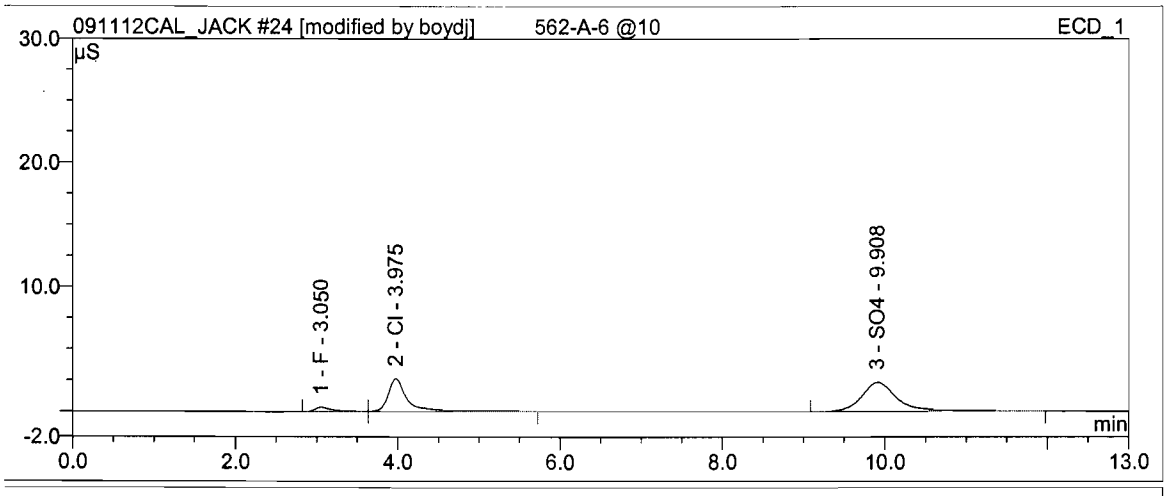


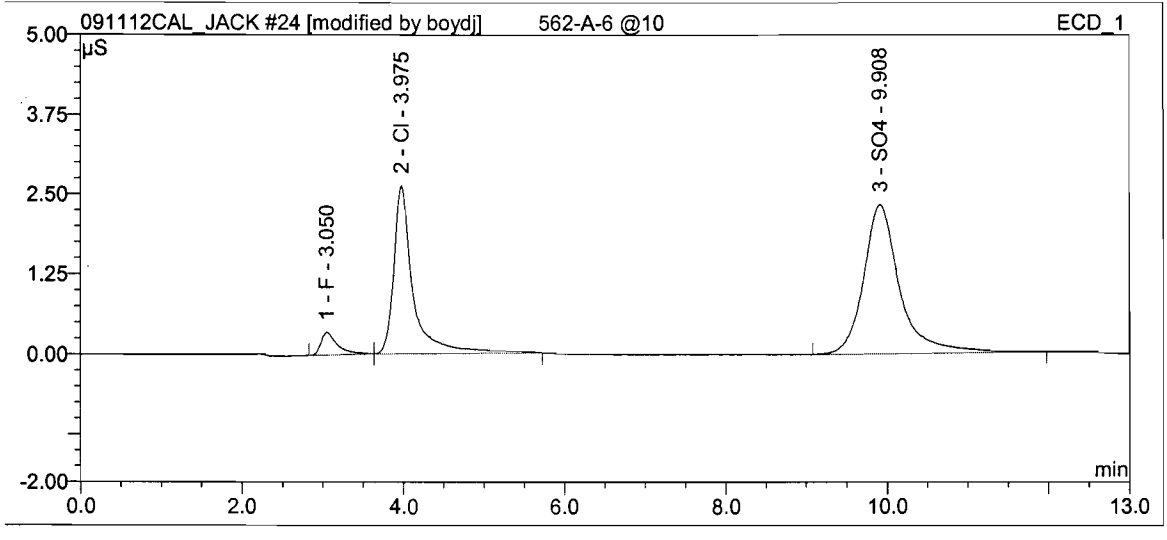
1. Peak Not Found
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing -C1,S04
6. Split Peak
7. Other

Integration Report - ECD_1

Sample Name:	**562-A-6 @10**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 23:28**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BMb*	0.084	0.351	177.2875
2	3.98	Cl	bMB*	0.726	2.621	2020.5482
3	9.91	SO4	BMB*	1.210	2.334	4928.2868
			TOTAL:	2.02	5.31	7126.12





Integration Report - ECD_1

Sample Name:	**564-A-1**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 23:44**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.06	F	BM	0.071	0.257	149.6659
3	5.33	Bromide	MB	0.859	1.910	6142.2245
4	9.96	SO4	BM	1.022	2.095	4162.5039
		TOTAL:		1.95	4.26	10454.39

MI
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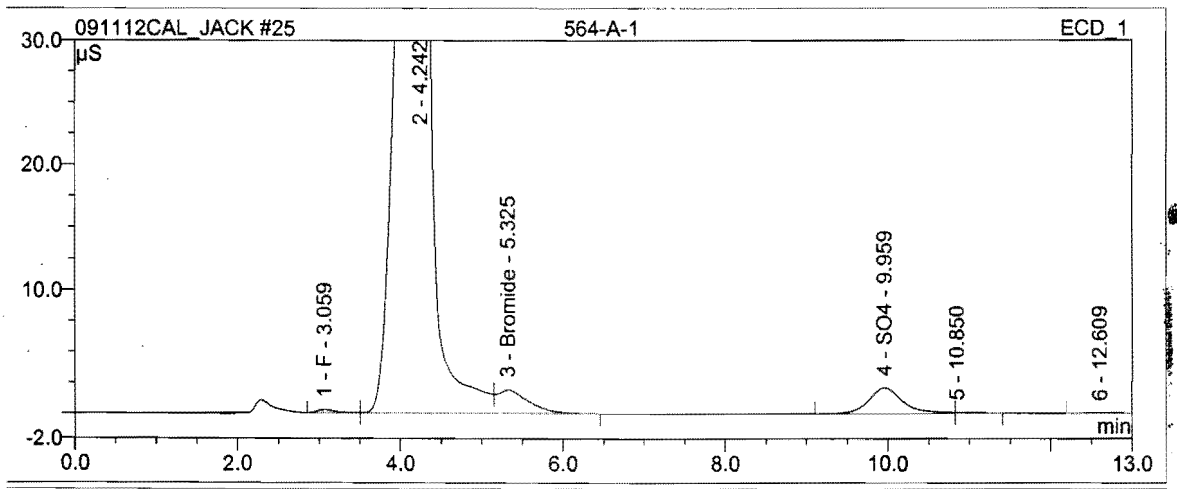
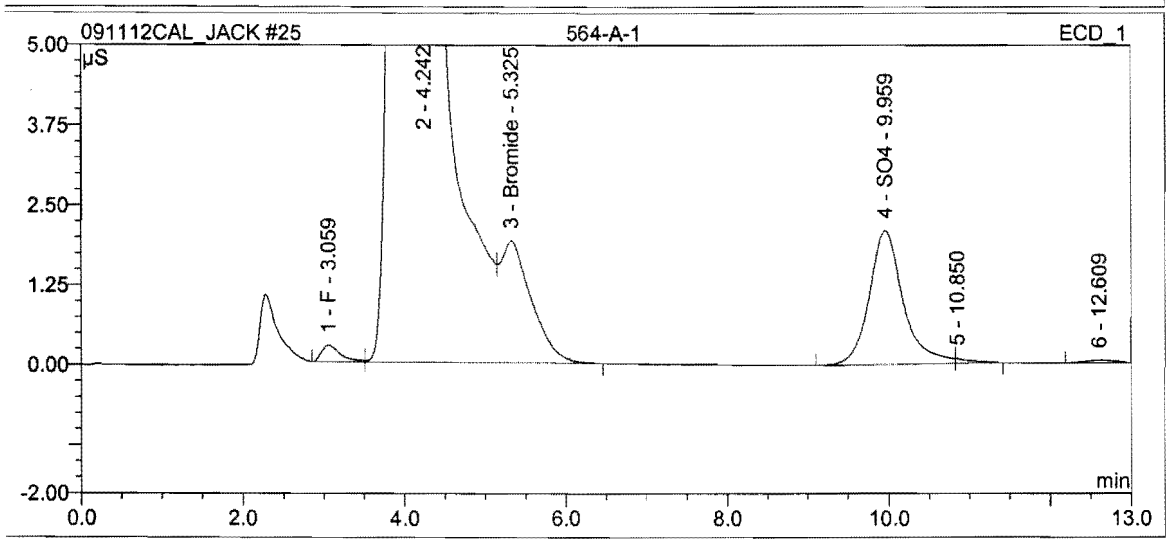


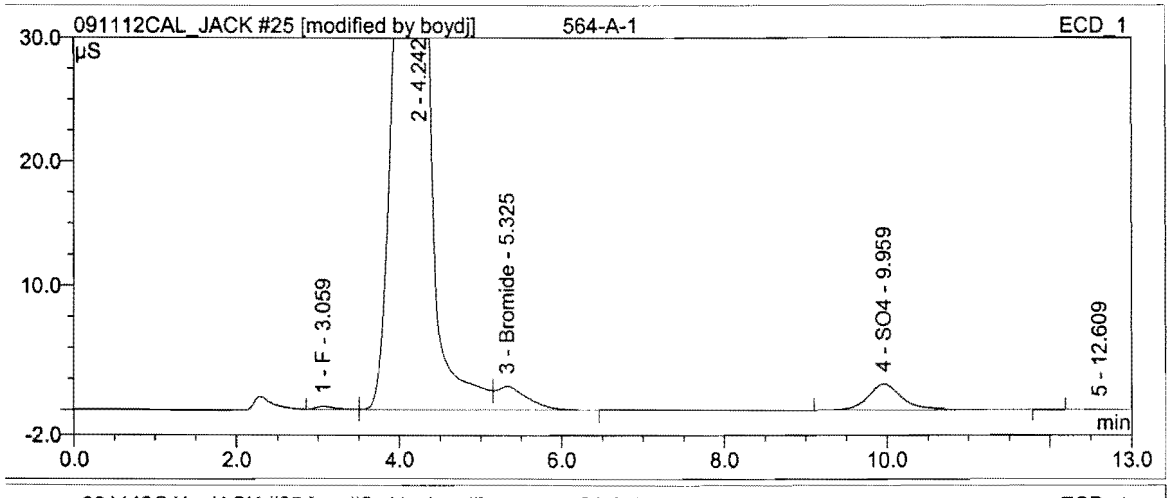


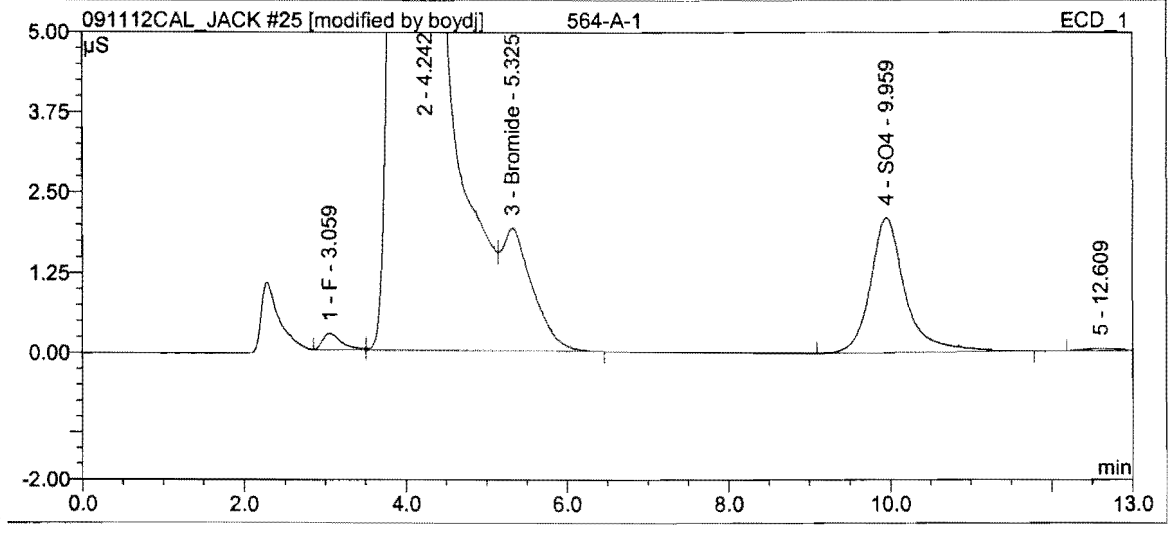
1. Peak Not Found
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing -SO4
6. Split Peak
7. Other

Integration Report - ECD_1

Sample Name:	**564-A-1**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 23:44**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.06	F	BM	0.071	0.257	149.6659
3	5.33	Bromide	MB	0.859	1.910	6142.2245
4	9.96	SO4	BMB*	1.052	2.098	4284.7728
		TOTAL:		1.98	4.27	10576.66

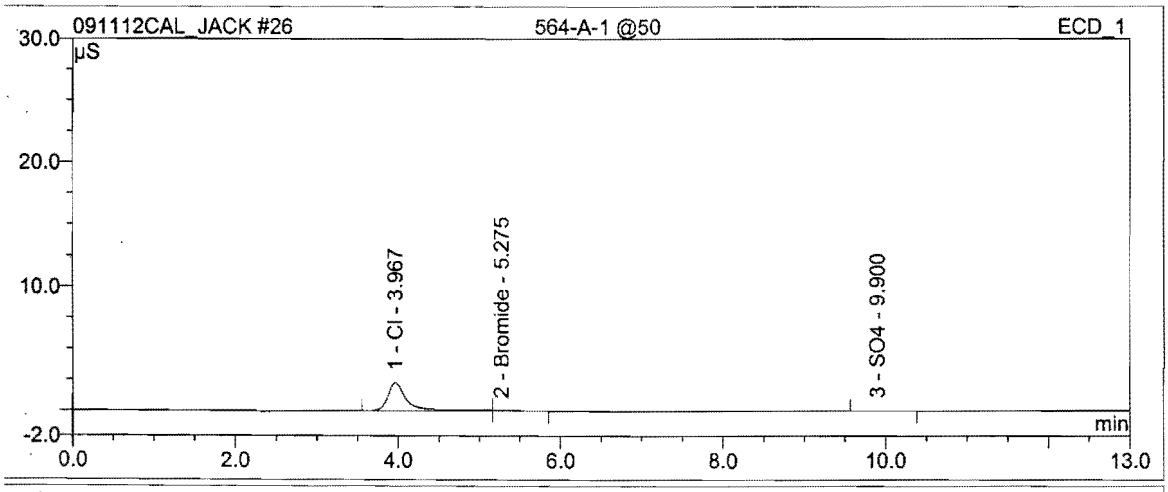


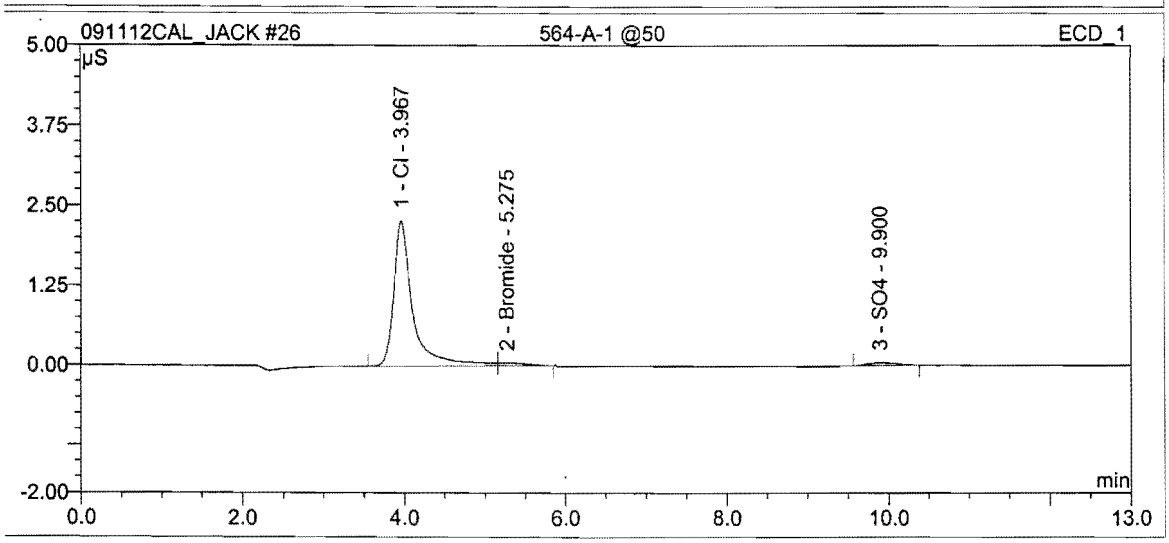


Integration Report - ECD_1

Sample Name:	**564-A-1 @50**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**11.09.12 23:59**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.97	Cl	BM	0.622	2.276	1729.8919
2	5.28	Bromide	MB	0.018	0.048	126.7536
3	9.90	SO4	BMB	0.019	0.049	76.9444
		TOTAL:		0.66	2.37	1933.59





Integration Report - ECD_1

Sample Name:	**564-A-1 MS**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 00:15**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.760	2.629	1608.2448
3	5.33	Bromide	MB	1.330	2.937	9509.7921
4	5.90	NO3	Rd	0.114	0.579	132.9060
5	8.19	OPO4	BMB	0.081	0.170	865.6159
6	9.95	SO4	BM	2.019	3.999	8224.6768
		TOTAL:		4.31	10.31	20341.24

MI
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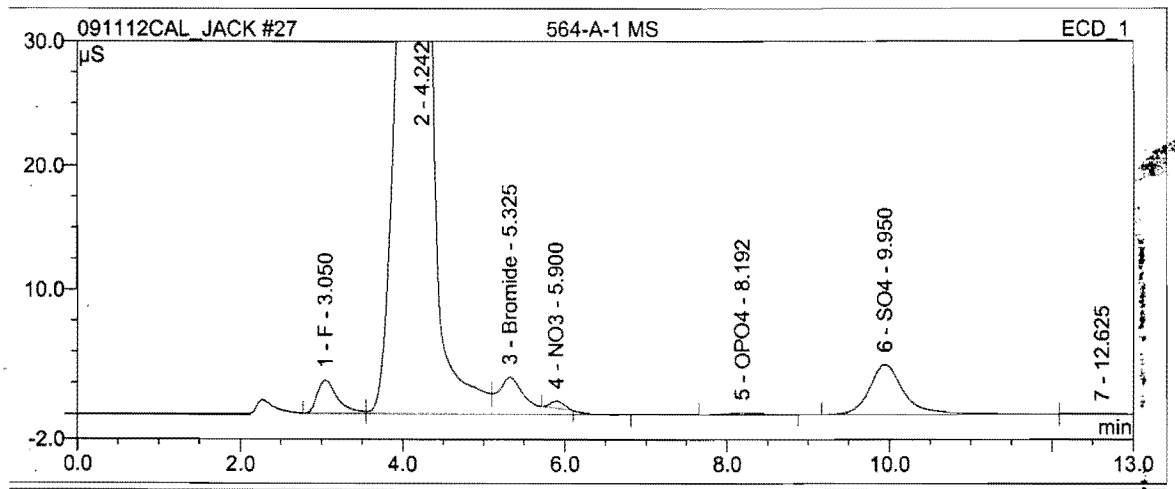
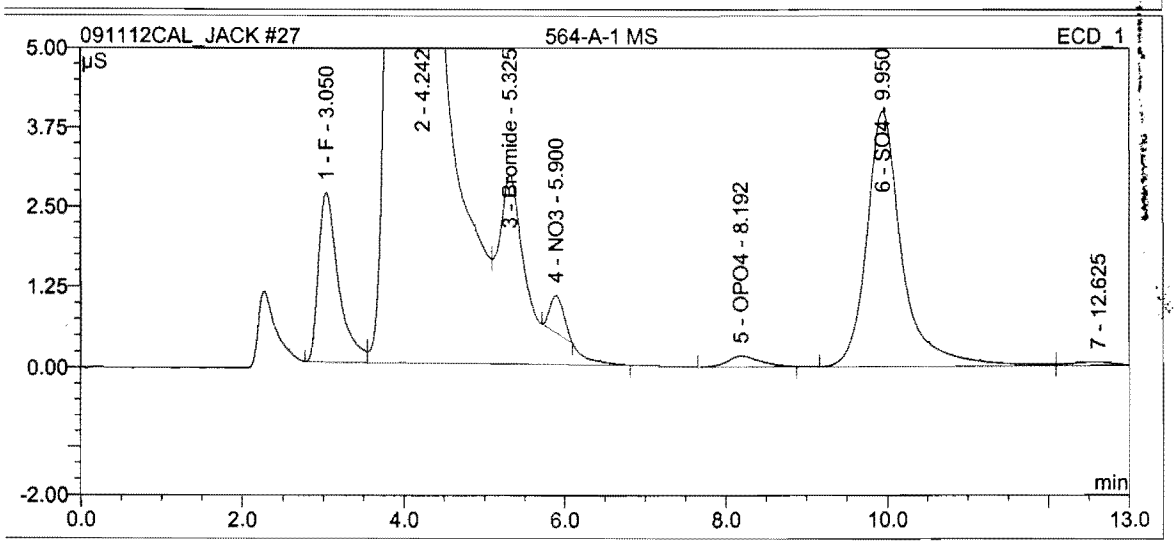


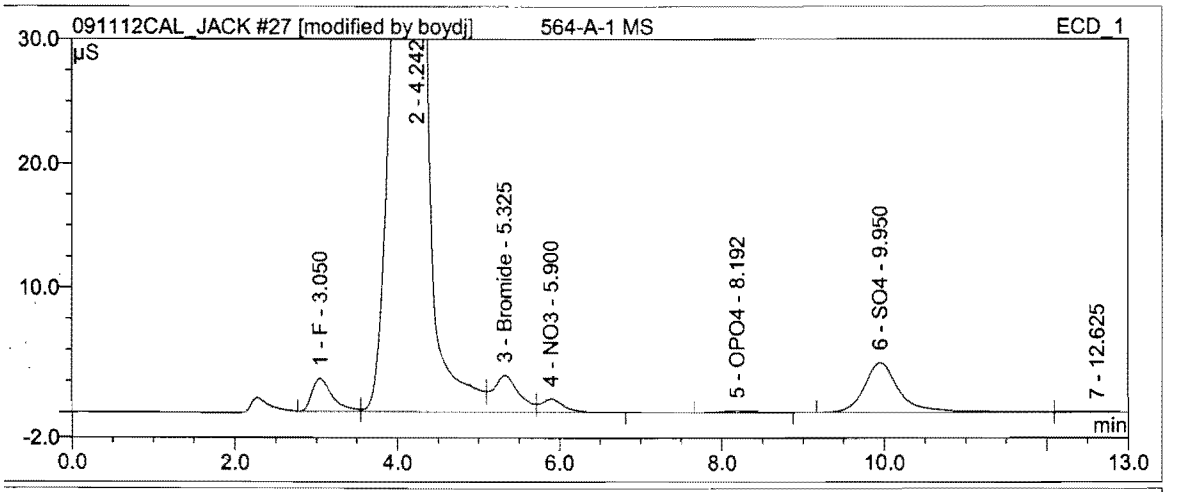


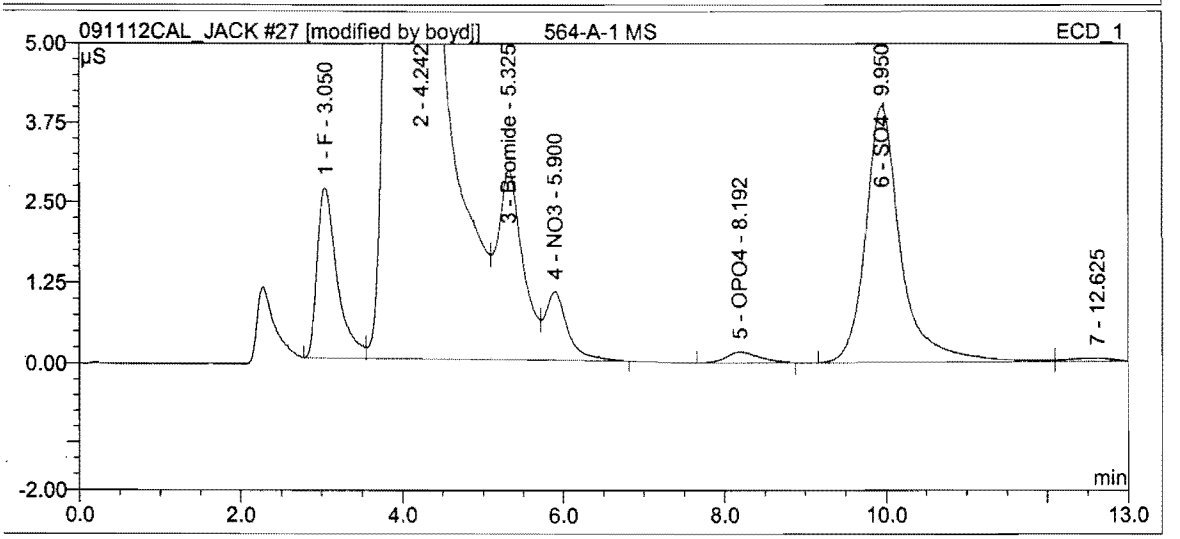
1. Peak Not Found
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing
6. Split Peak - NO3
7. Other _____

Integration Report - ECD_1

Sample Name:	**564-A-1 MS**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 00:15**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM *	0.760	2.629	1608.2432
3	5.33	Bromide	M *	1.095	2.937	7827.6972
4	5.90	NO3	MB*	0.350	1.063	406.2626
5	8.19	OPO4	BMB	0.081	0.170	865.6159
6	9.95	SO4	BM	2.019	3.999	8224.6768
		TOTAL:		4.31	10.80	18932.50



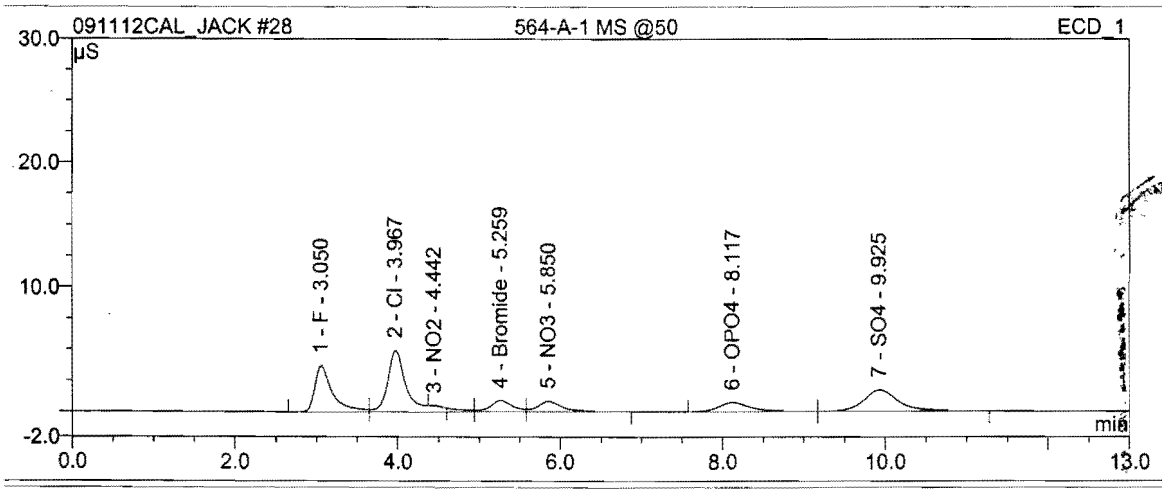


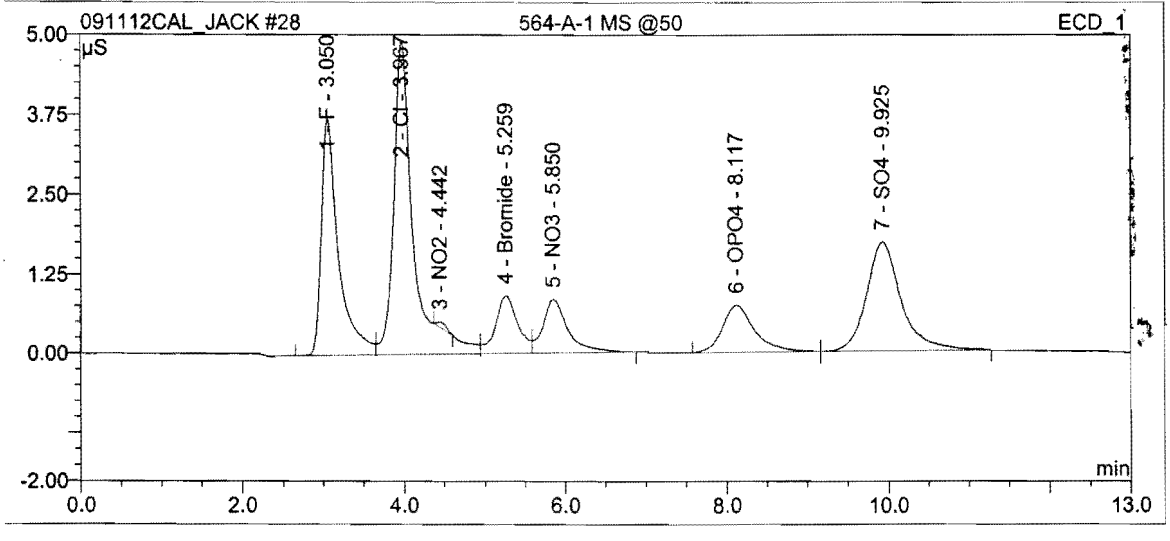
Integration Report - ECD_1

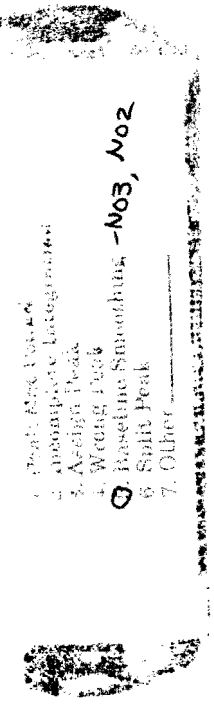
Sample Name:	**564-A-1 MS @50**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 00:30**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.916	3.704	1936.2190
2	3.97	Cl	M	1.389	4.916	3865.2948
3	4.44	NO2	Rd	0.012	0.083	28.7452
4	5.26	Bromide	M	0.291	0.910	2081.7593
5	5.85	NO3	MB	0.305	0.843	354.4499
6	8.12	OPO4	BM	0.339	0.743	3610.2507
7	9.93	SO4	MB	0.855	1.717	3482.7056
		TOTAL:		4.11	12.92	15359.42

MI
JB
SEP 14 2012



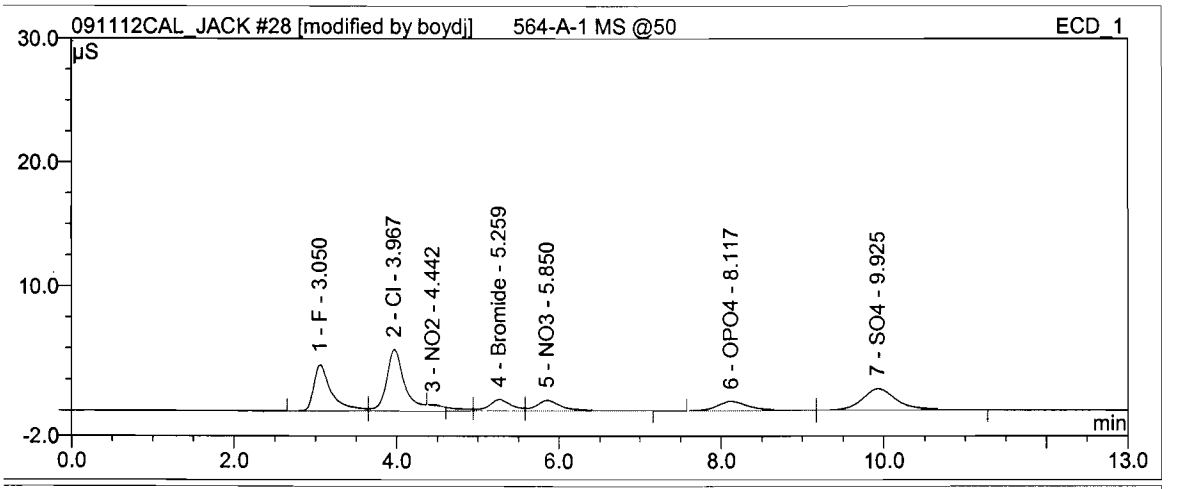


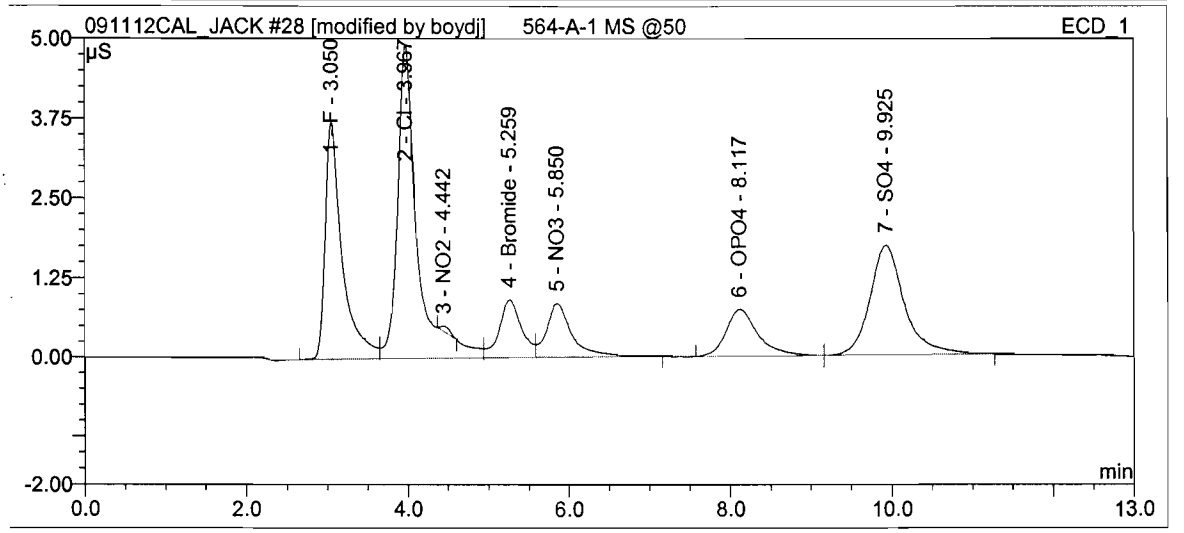


Integration Report - ECD_1

Sample Name:	**564-A-1 MS @50**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 00:30**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM *	0.917	3.705	1938.8754
2	3.97	Cl	M *	1.394	4.919	3880.1601
3	4.44	NO2	Rd	0.012	0.083	28.7452
4	5.26	Bromide	M *	0.295	0.917	2111.8664
5	5.85	NO3	MB*	0.318	0.851	369.7393
6	8.12	OPO4	BM	0.339	0.743	3610.2507
7	9.93	SO4	MB	0.855	1.717	3482.7056
		TOTAL:		4.13	12.93	15422.34





Integration Report - ECD_1

Sample Name:	**564-A-1 MSD**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 00:46**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.765	2.619	1618.8293
2	4.26	NO2	M	42.411	150.486	99662.7619
3	5.34	Bromide	M	1.070	2.922	7646.3110
4	5.92	NO3	MB	0.336	1.027	390.0711
5	8.21	OPO4	BMB	0.092	0.184	981.0537
6	9.97	SO4	BMB	1.946	3.972	7927.7115
		TOTAL:		46.62	161.21	118226.74

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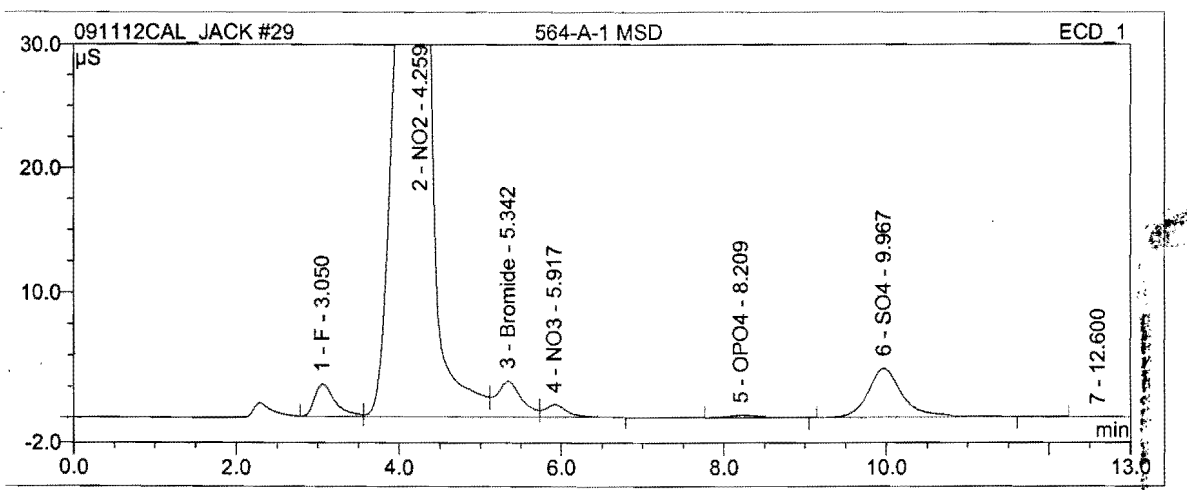
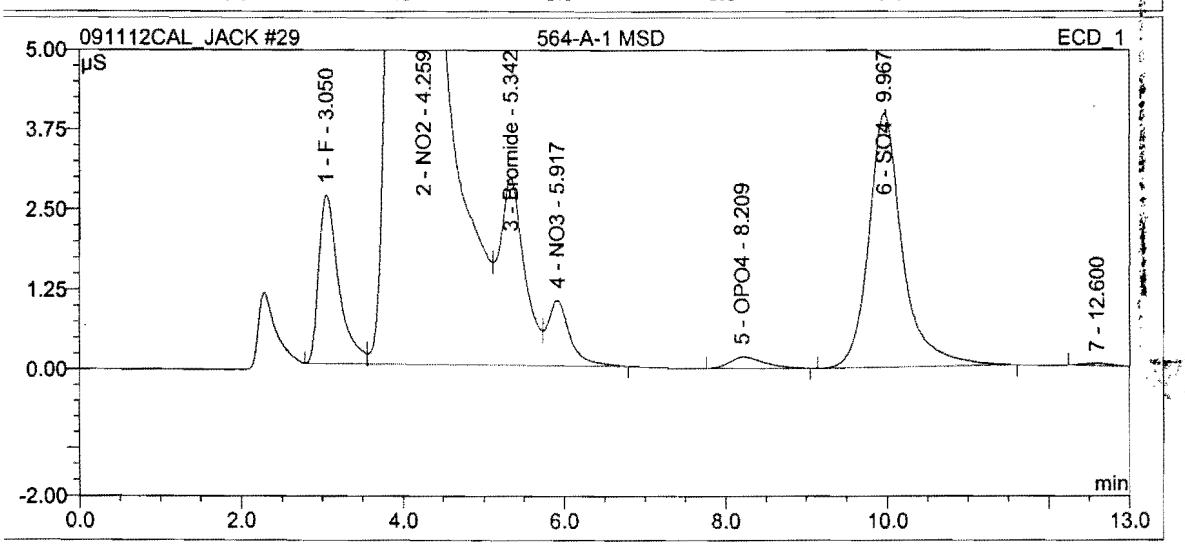


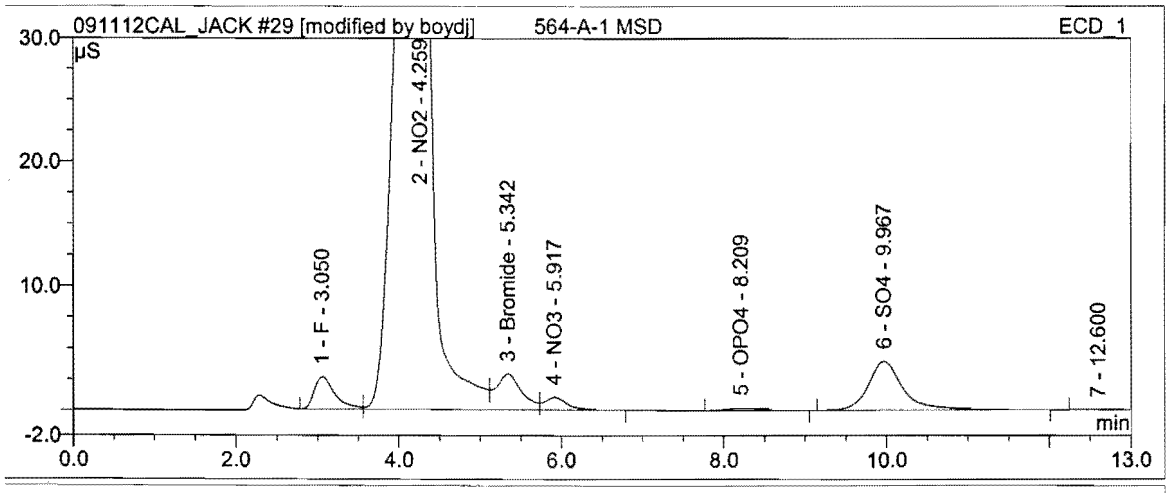


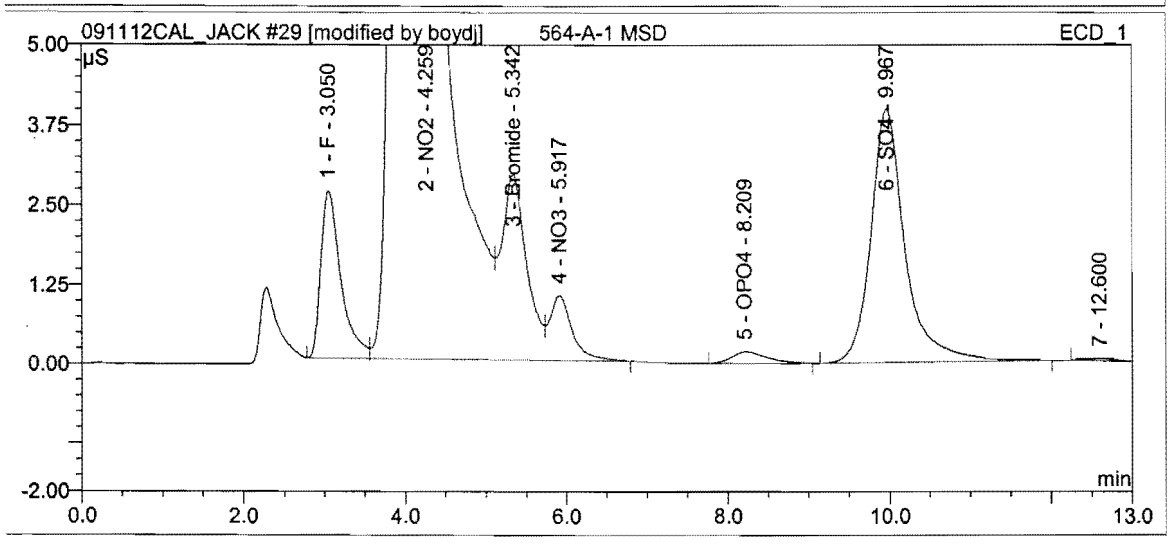
1. Peak Not Found
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing -504
6. Split Peak
7. Other

Integration Report - ECD_1

Sample Name:	**564-A-1 MSD**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 00:46**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.765	2.619	1618.8293
2	4.26	NO2	M	42.411	150.486	99662.7619
3	5.34	Bromide	M	1.070	2.922	7646.3110
4	5.92	NO3	MB	0.336	1.027	390.0711
5	8.21	OPO4	BMB	0.092	0.184	981.0537
6	9.97	SO4	BMB*	1.971	3.978	8031.6567
		TOTAL:		46.65	161.22	118330.68





Integration Report - ECD_1

Sample Name:	**564-A-1 MSD @50**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 01:01**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.04	F	BM	0.883	3.676	1868.0897
2	3.96	Cl	M	1.167	4.791	3249.1933
3	4.42	NO2	Mb	0.097	0.402	228.2285
4	5.25	Bromide	bM	0.214	0.791	1528.8869
5	5.84	NO3	MB	0.240	0.759	278.9715
6	8.10	OPO4	BMb	0.346	0.746	3682.9992
7	9.91	SO4	bMB	0.855	1.709	3481.5345
		TOTAL:		3.80	12.87	14317.90

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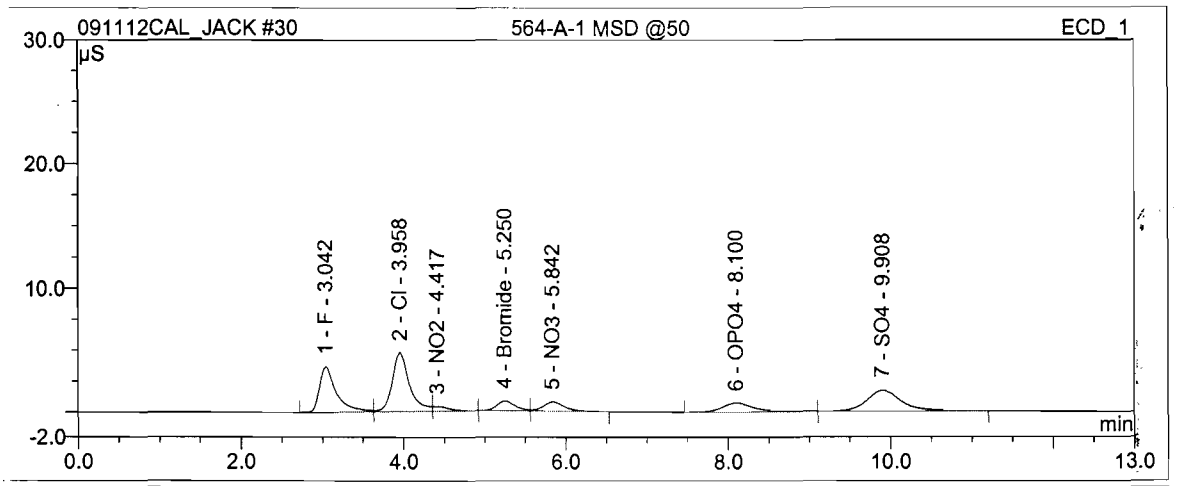
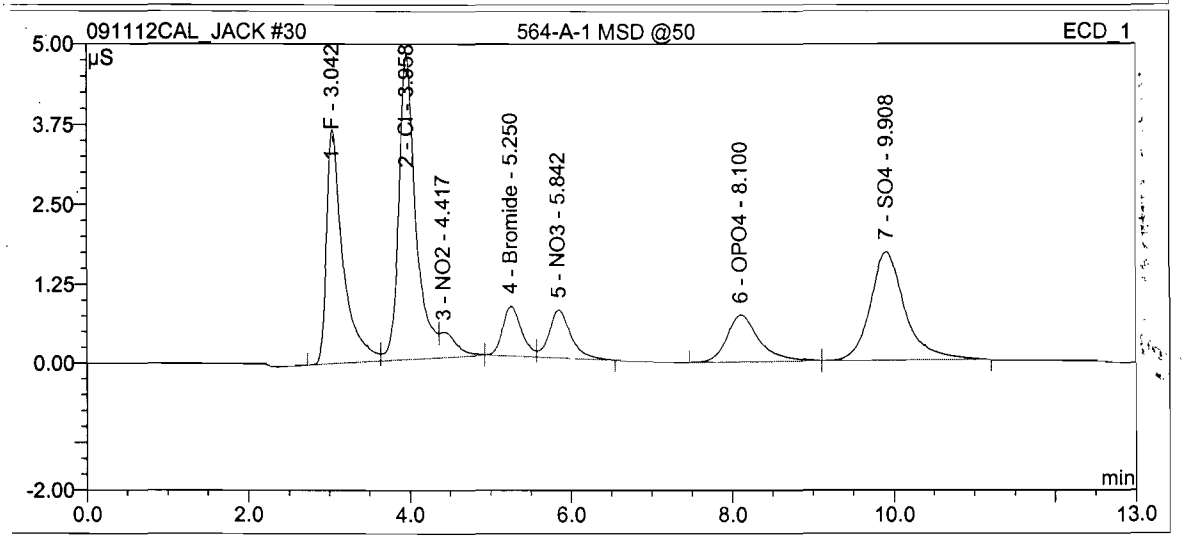


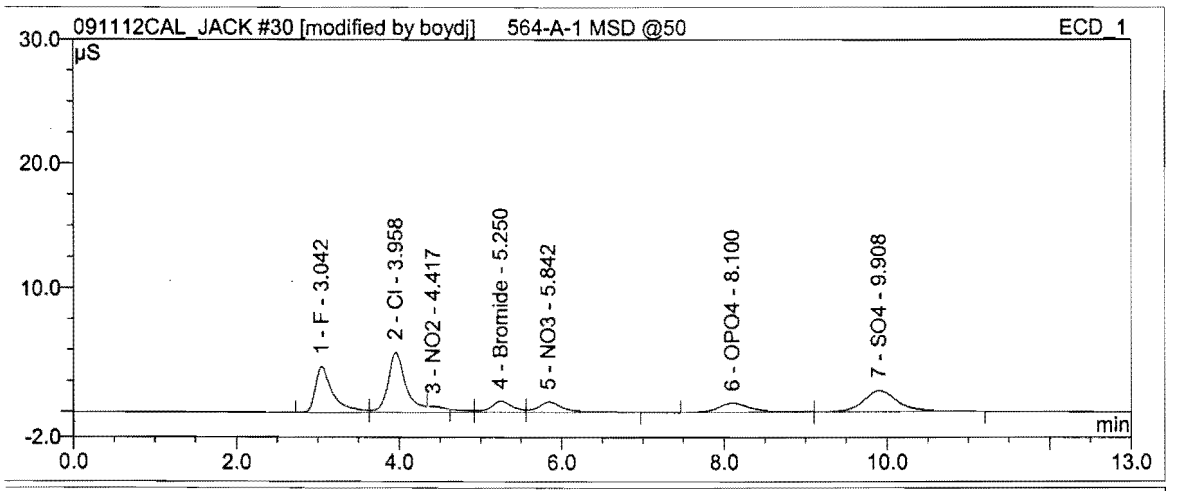


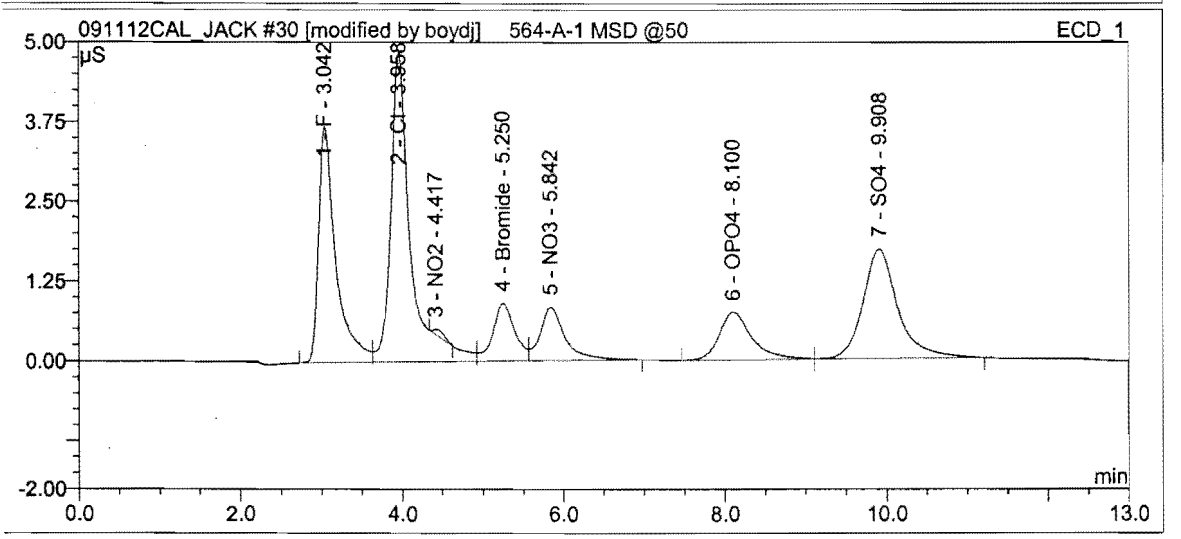
-Cl, NO3

Integration Report - ECD_1

Sample Name:	**564-A-1 MSD @50**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 01:01**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.04	F	BM *	0.907	3.694	1919.2050
2	3.96	Cl	M *	1.366	4.863	3803.1293
3	4.42	NO2	Rd*	0.016	0.080	36.9056
4	5.25	Bromide	M *	0.284	0.900	2027.5704
5	5.84	NO3	MB*	0.301	0.830	350.1360
6	8.10	OPO4	BMb	0.346	0.746	3682.9992
7	9.91	SO4	bMB	0.855	1.709	3481.5345
			TOTAL:	4.08	12.82	15301.48





Integration Report - ECD_1

Sample Name:	**CCV**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 01:16**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.04	F	BM	0.464	1.832	980.5042
2	3.96	Cl	M	0.779	2.546	2168.2562
3	4.45	NO2	Rd	0.034	0.209	78.8275
4	5.25	Bromide	M	0.269	0.878	1924.2066
5	5.84	NO3	MB	0.308	0.863	358.0288
6	8.09	OPO4	BM	0.680	1.513	7236.7720
7	9.89	SO4	MB	1.761	3.507	7173.6072
		TOTAL:		4.29	11.35	19920.20

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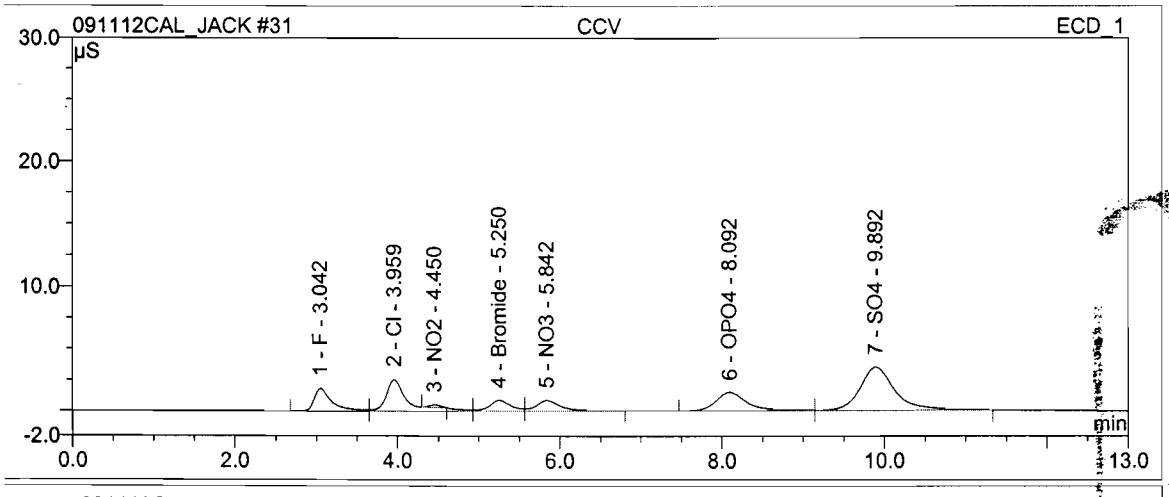
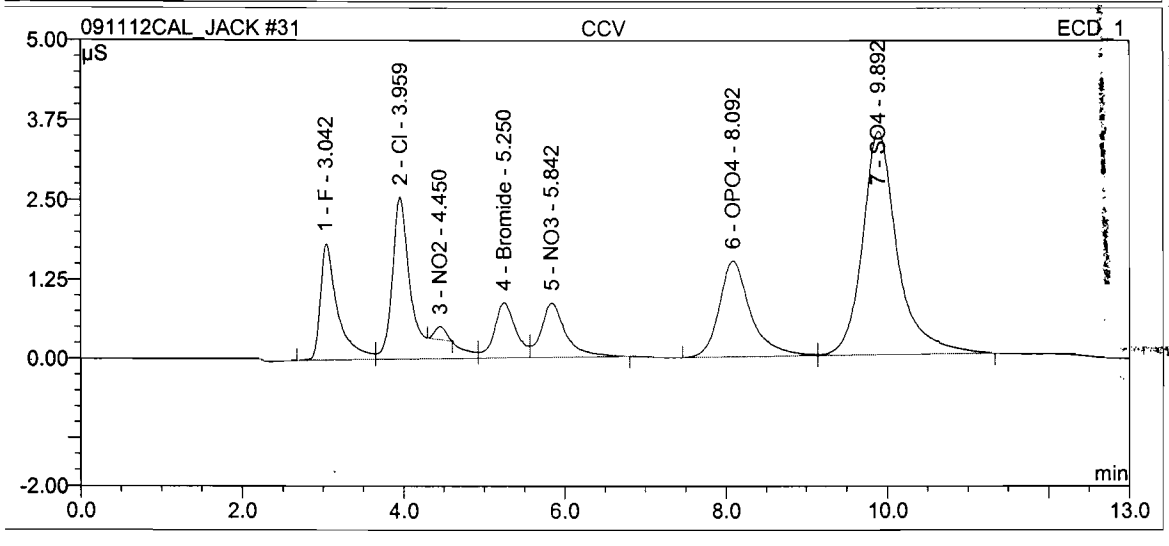


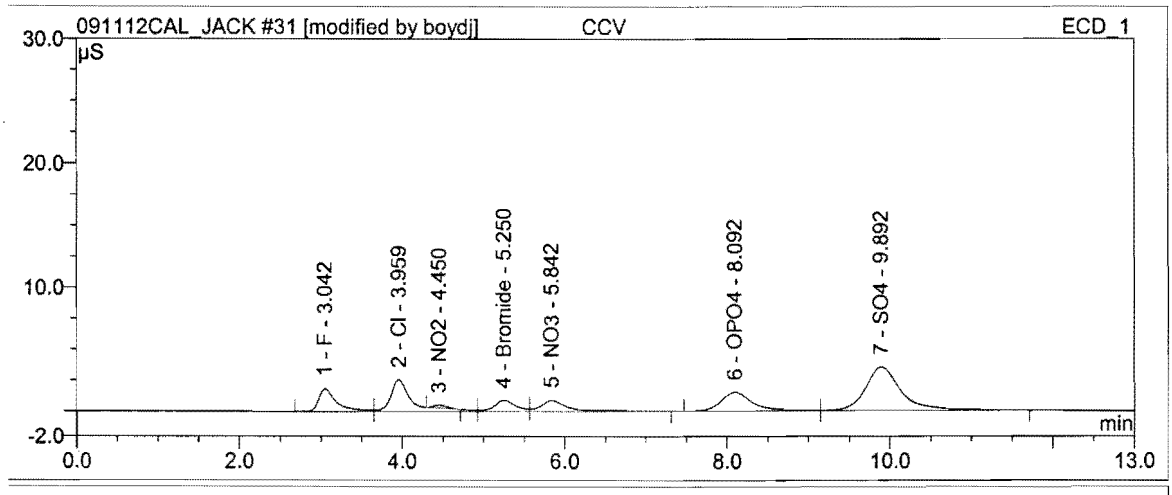


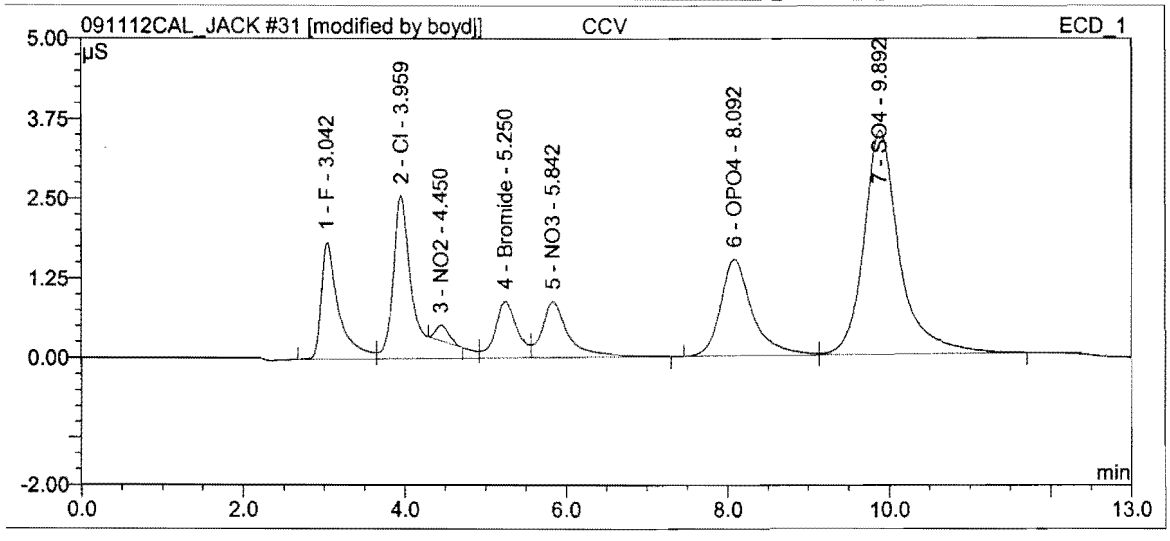
1. Peak Not Found
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing -NO3, SO4
6. Split Peak
7. Other

Integration Report - ECD_1

Sample Name:	**CCV**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 01:16**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.04	F	BM *	0.467	1.835	986.7027
2	3.96	Cl	M *	0.778	2.554	2164.8774
3	4.45	NO2	Rd*	0.047	0.245	111.4713
4	5.25	Bromide	M *	0.279	0.894	1996.9240
5	5.84	NO3	MB*	0.343	0.883	398.0514
6	8.09	OPO4	BM *	0.687	1.516	7309.7969
7	9.89	SO4	MB*	1.794	3.519	7310.4164
			TOTAL:	4.40	11.45	20278.24

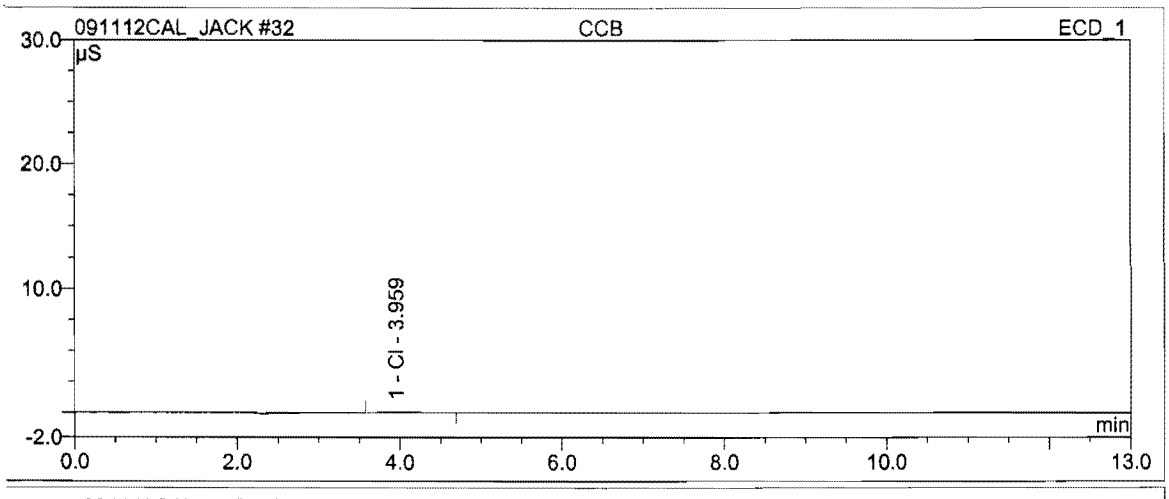


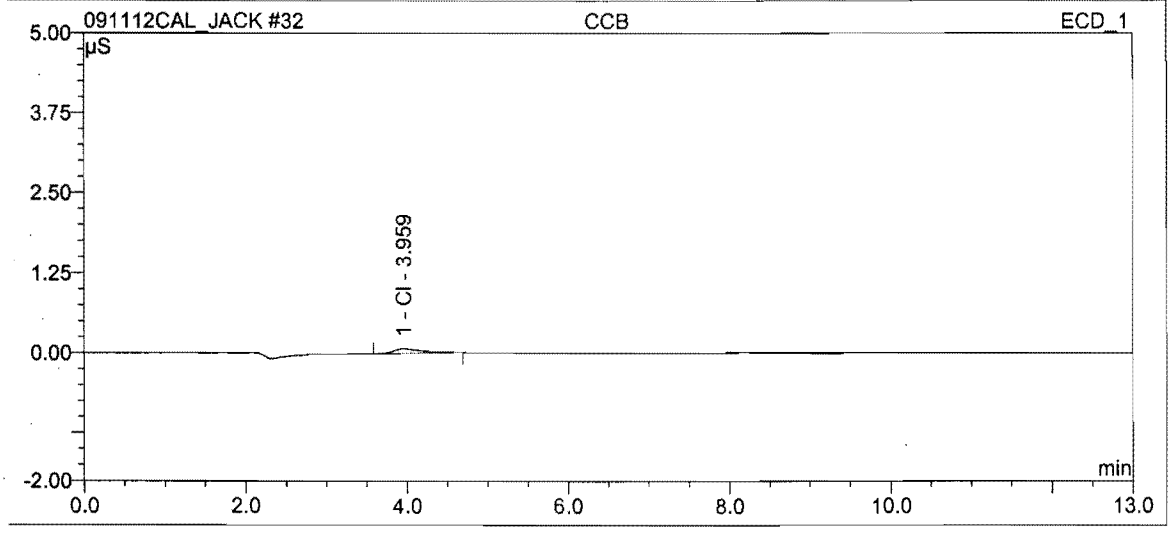


Integration Report - ECD_1

Sample Name:	**CCB**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 01:32**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.96	Cl	BMB	0.032	0.073	88.3479
		TOTAL:		0.03	0.07	88.35





Integration Report - ECD_1

Sample Name:	**564-A-2**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 01:47**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.00	F	BMB	0.011	0.054	24.1877
2	4.53	NO2	BM	216.769	385.109	509396.1002
3	5.38	Bromide	MB	3.723	11.233	26612.5162
4	9.98	SO4	BMB	0.060	0.126	243.4820
		TOTAL:		220.56	396.52	536276.29

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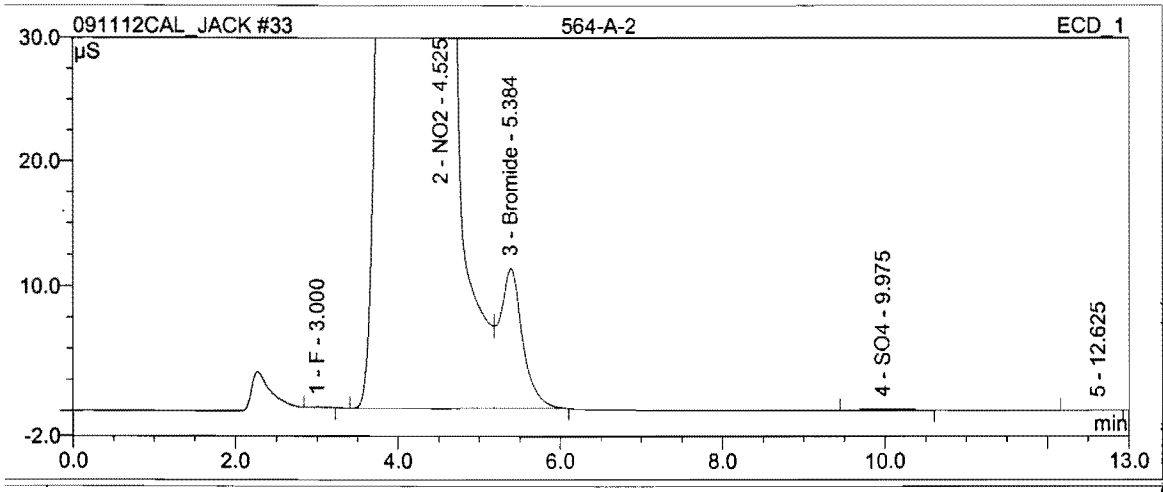
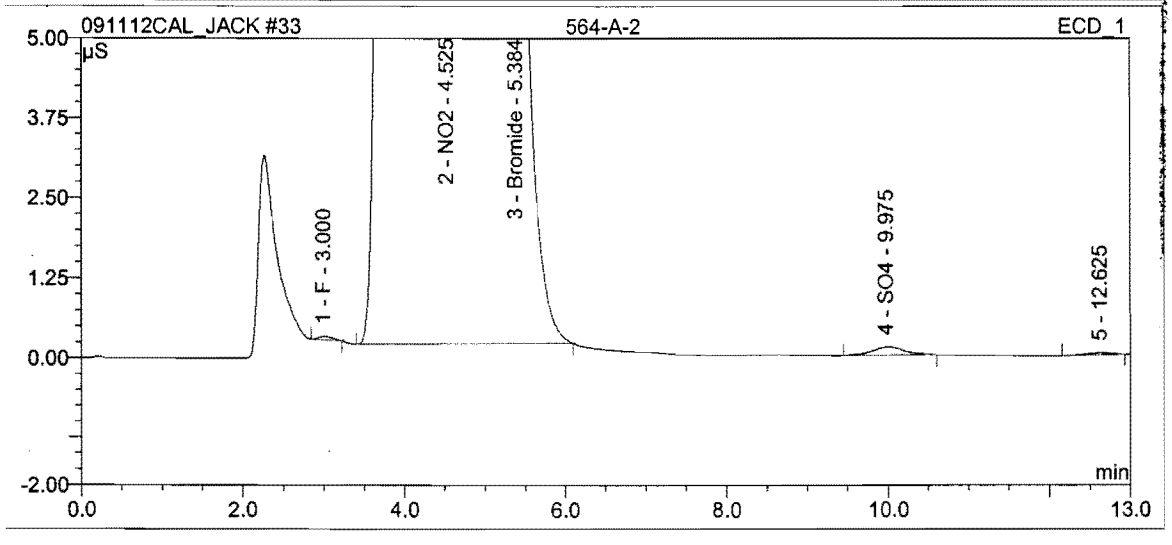


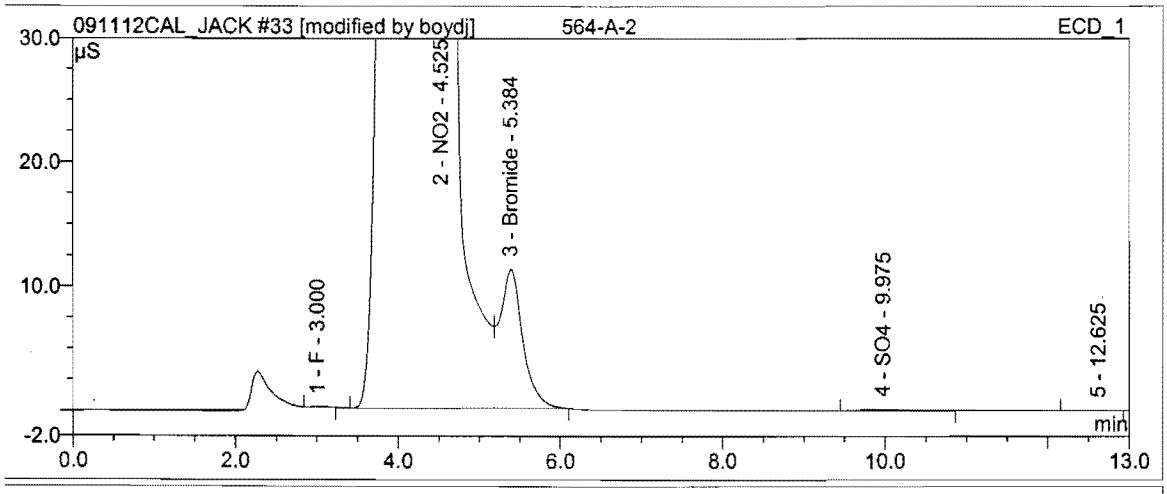


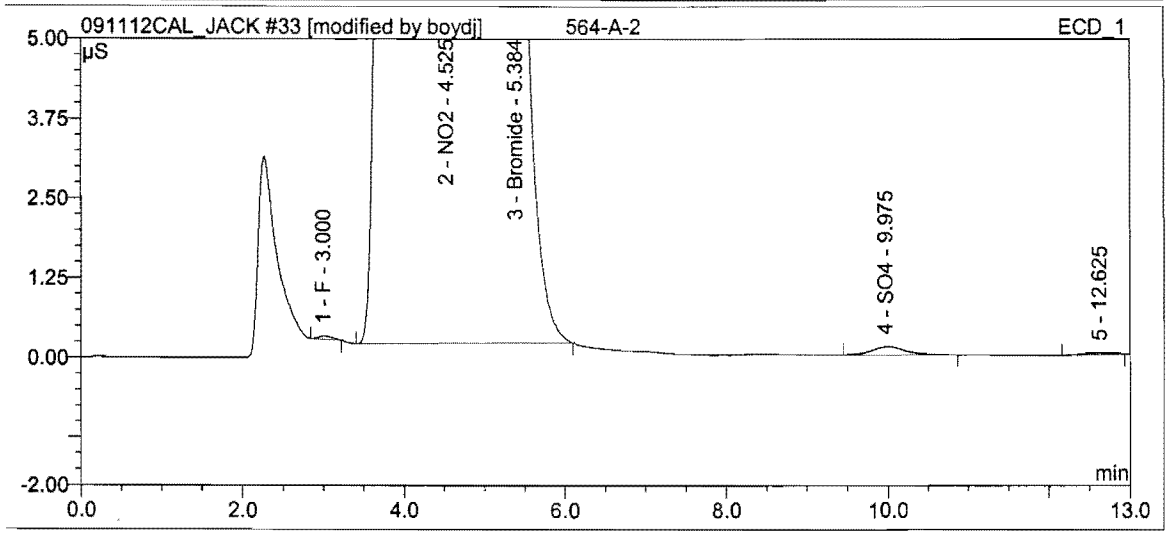
1. Peak Too Broad
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing - 504
6. Split Peak
7. Other _____

Integration Report - ECD_1

Sample Name:	**564-A-2**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 01:47**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.00	F	BMB	0.011	0.054	24.1877
2	4.53	NO2	BM	216.769	385.109	509396.1002
3	5.38	Bromide	MB	3.723	11.233	26612.5162
4	9.98	SO4	BMB*	0.066	0.130	268.2929
		TOTAL:		220.57	396.53	536301.10

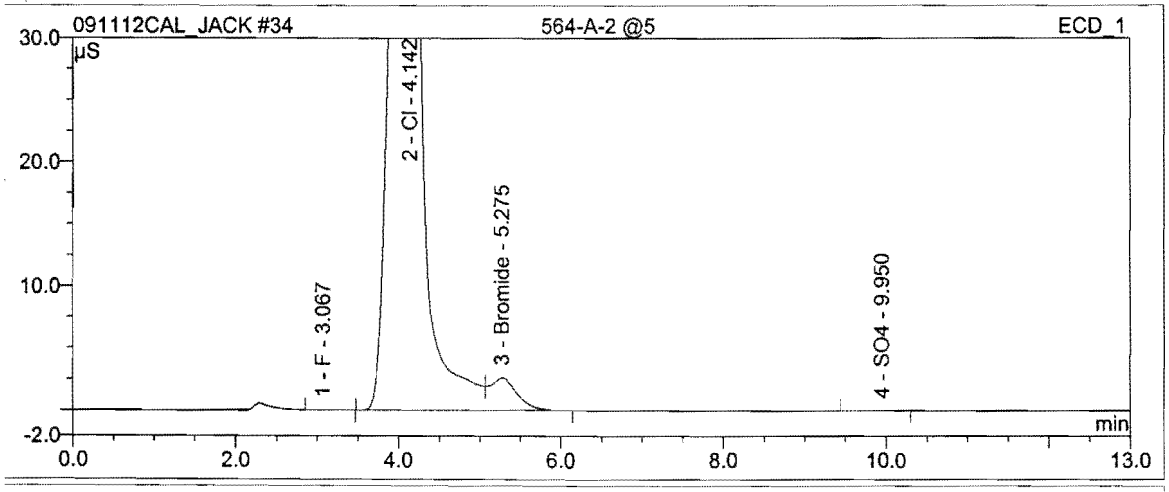


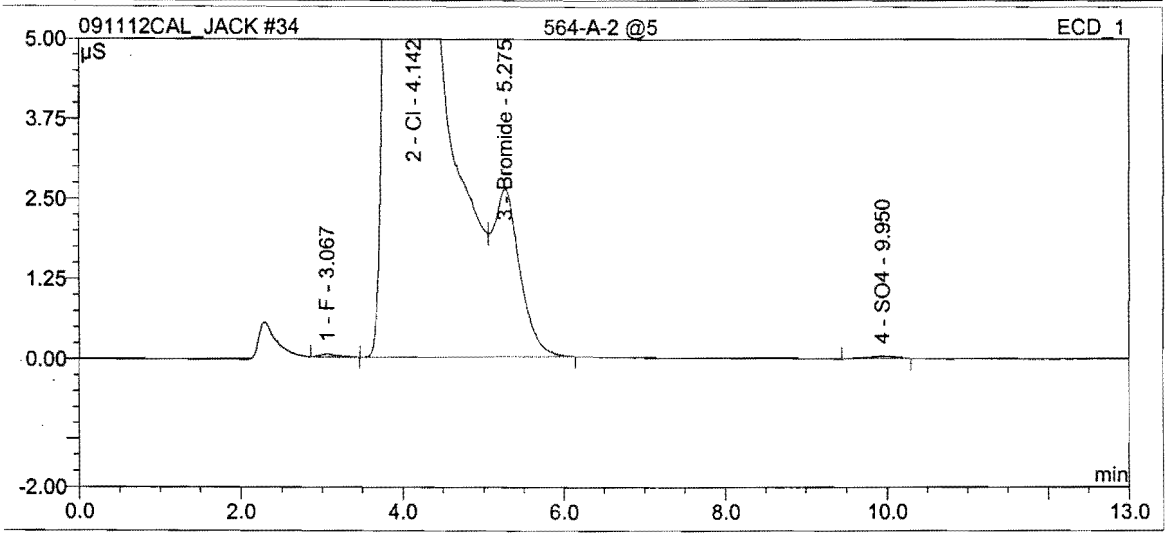


Integration Report - ECD_1

Sample Name:	**564-A-2 @5**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 02:03**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.07	F	BMB	0.012	0.048	25.0926
2	4.14	Cl	BM	38.258	134.007	106480.1394
3	5.28	Bromide	MB	1.026	2.619	7335.9523
4	9.95	SO4	BMB	0.016	0.036	63.3519
		TOTAL:		39.31	136.71	113904.54

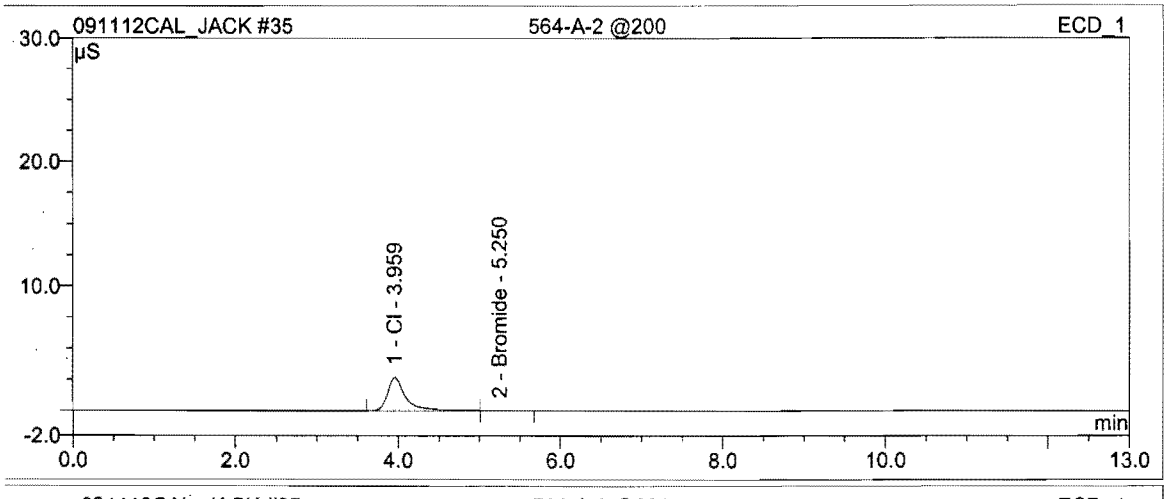


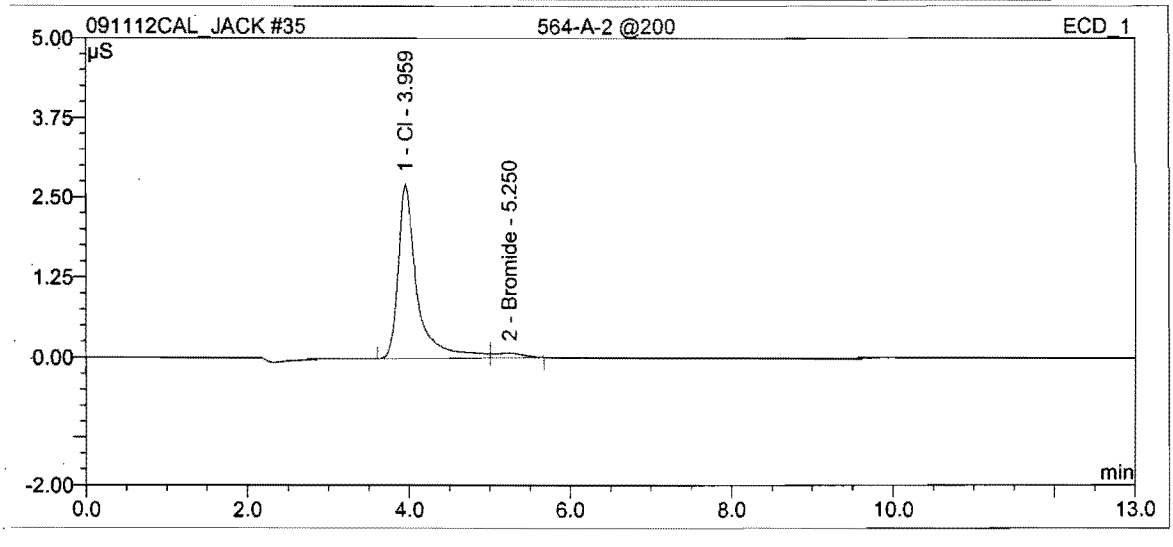


Integration Report - ECD_1

Sample Name:	**564-A-2 @200**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 02:18**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.96	Cl	BM	0.733	2.717	2041.4163
2	5.25	Bromide	MB	0.032	0.076	232.1650
		TOTAL:		0.77	2.79	2273.58

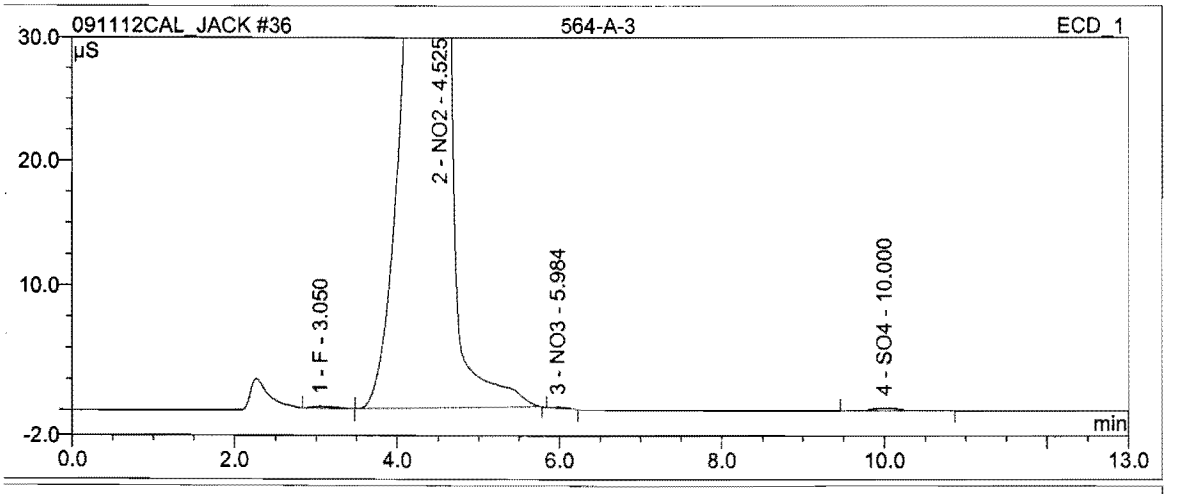


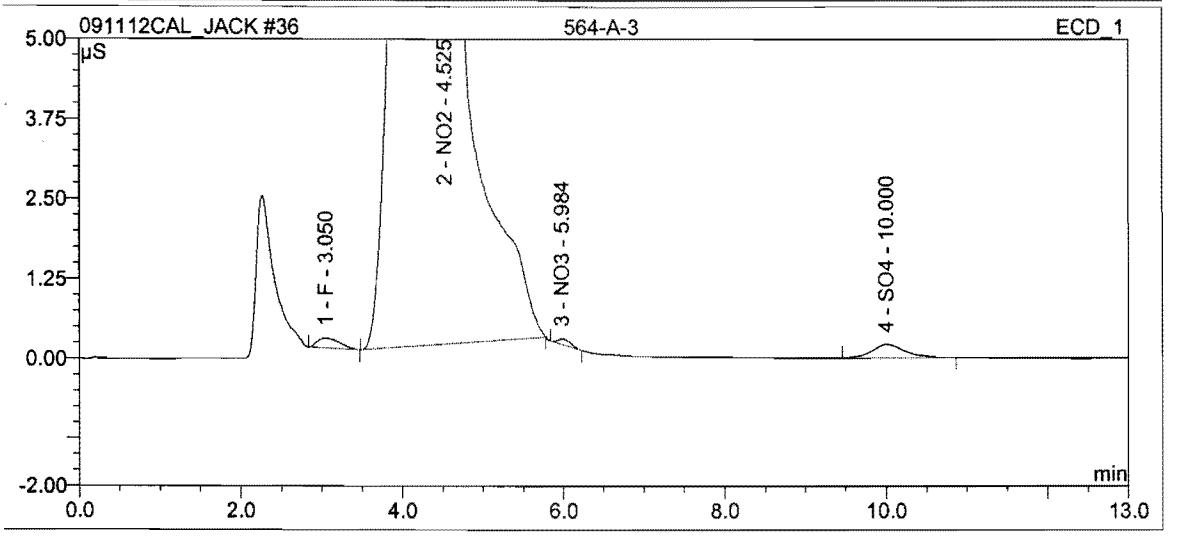


Integration Report - ECD_1

Sample Name:	**564-A-3**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 02:33**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BMB	0.050	0.153	106.7754
2	4.53	NO2	BMB	59.769	187.225	140453.1563
3	5.98	NO3	BMB	0.017	0.088	19.8419
4	10.00	SO4	BMB	0.104	0.213	423.8959
		TOTAL:		59.94	187.68	141003.67





Integration Report - ECD_1

Sample Name:	**564-A-3 @50**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 02:49**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.97	Cl	BMB	0.801	3.103	2230.7250
		TOTAL:		0.80	3.10	2230.72

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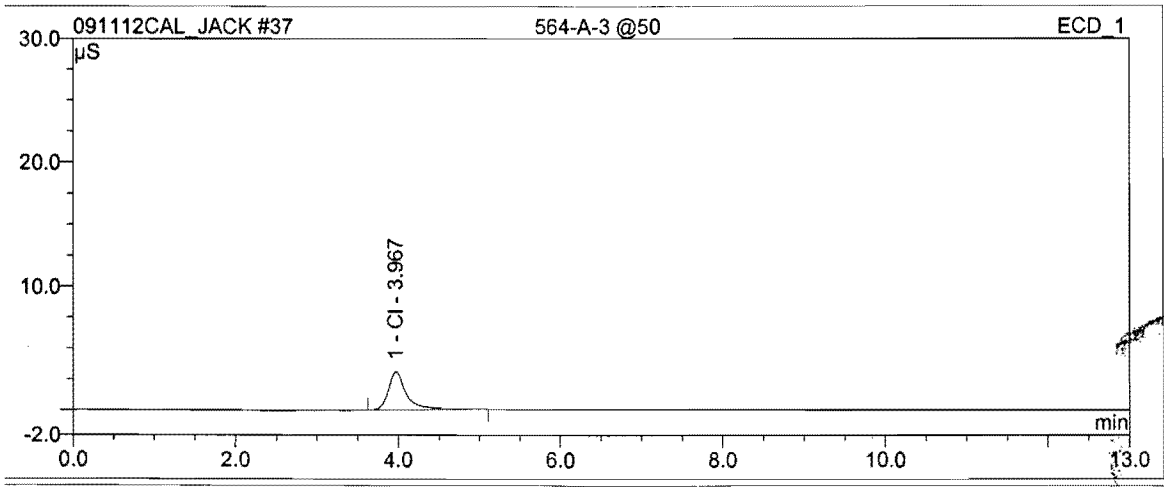
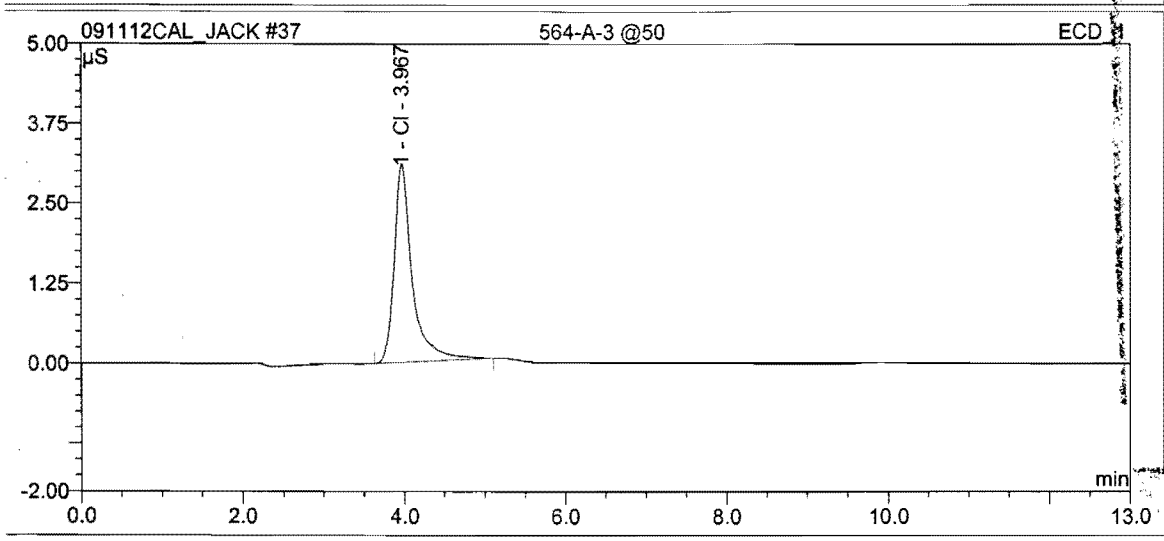


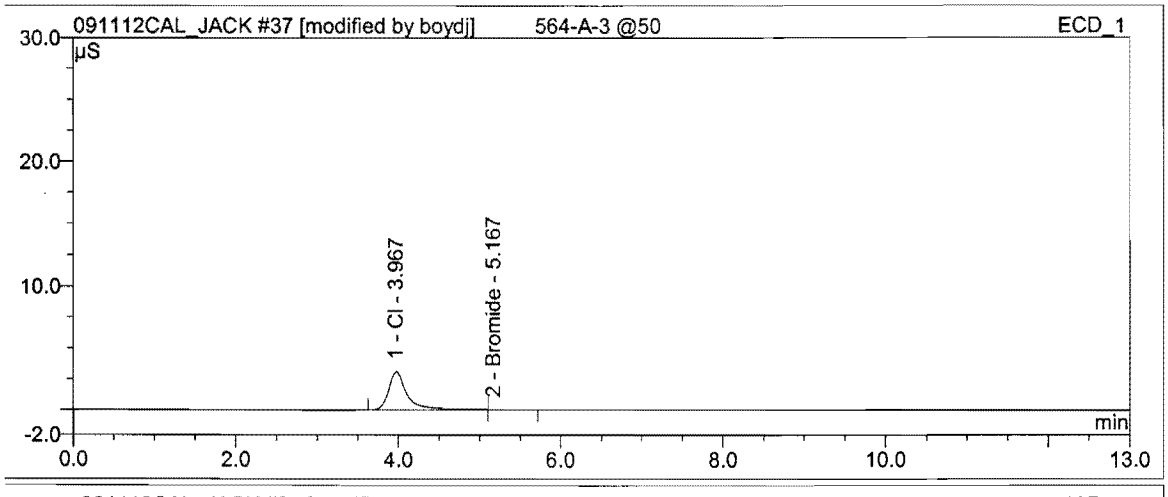


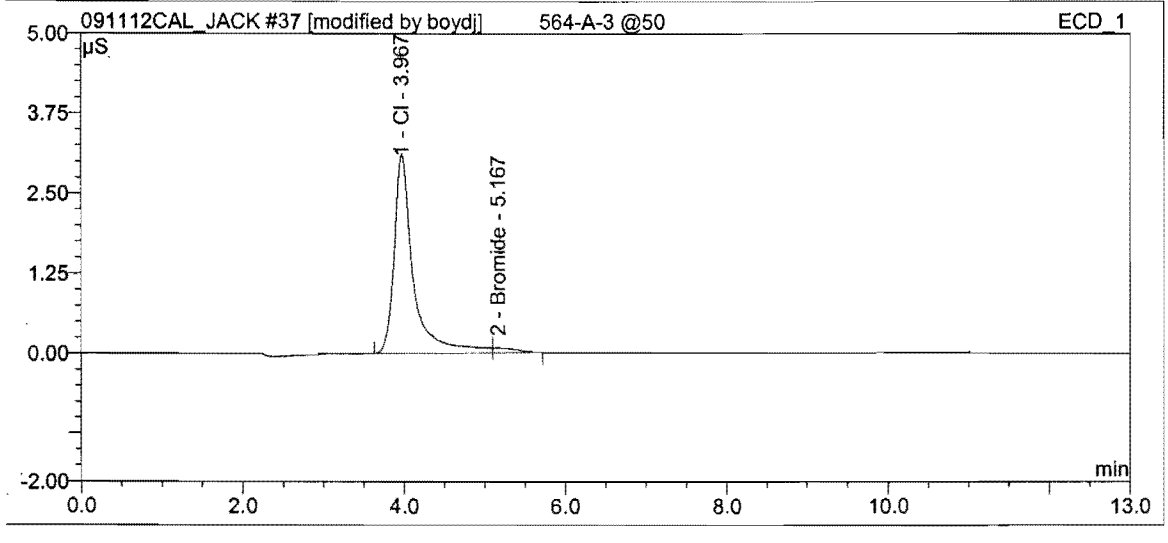
1. Peak Not Found
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing
6. Split Peak
7. Other

Integration Report - ECD_1

Sample Name:	**564-A-3 @50**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 02:49**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.97	Cl	BM *	0.854	3.119	2377.6508
2	5.17	Bromide	MB*	0.025	0.075	181.1739
		TOTAL:		0.88	3.19	2558.82

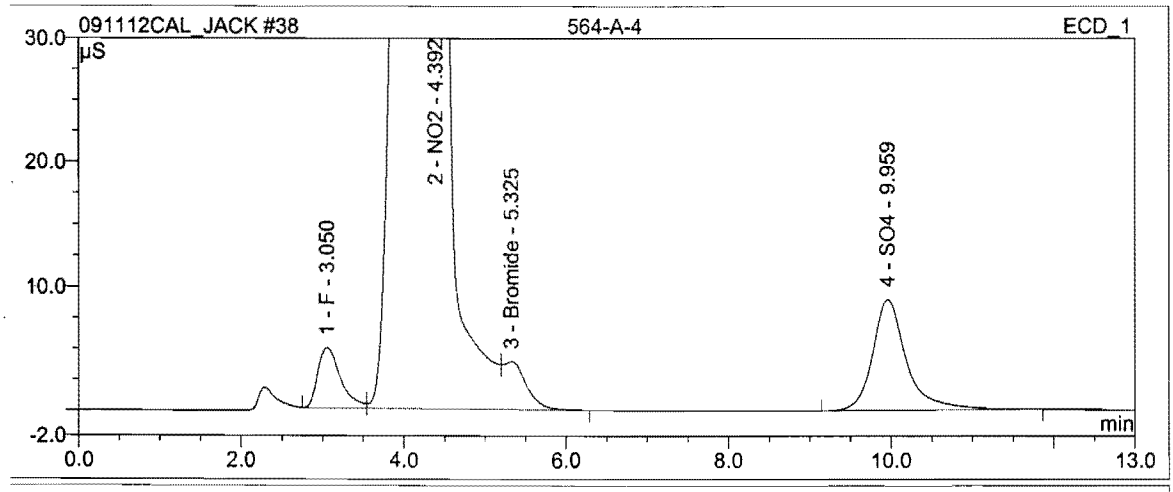


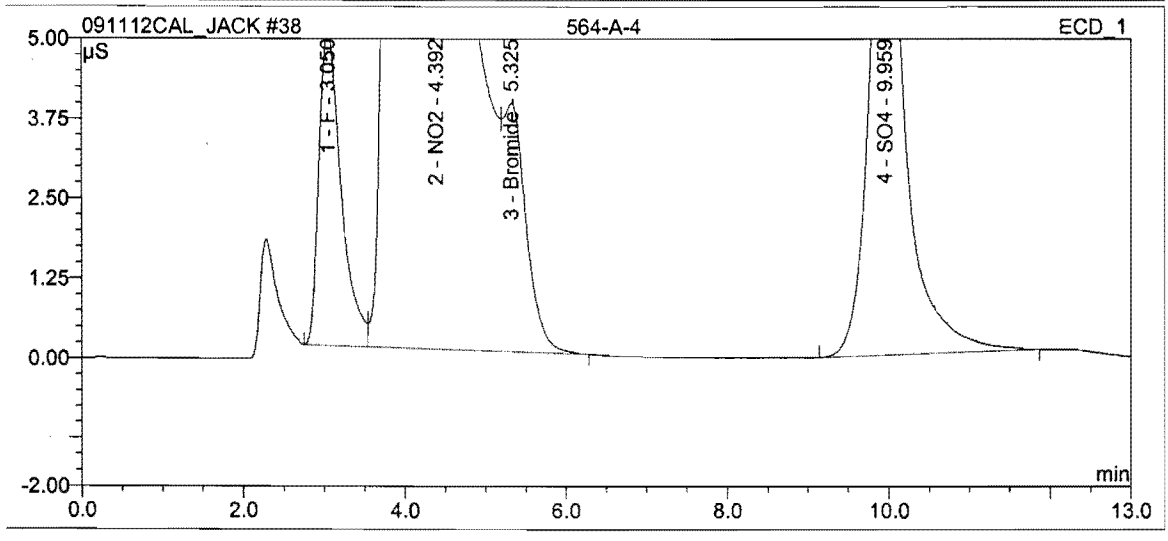


Integration Report - ECD_1

Sample Name:	**564-A-4**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 03:04**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	1.583	4.886	3348.6965
2	4.39	NO2	M	106.417	265.613	250074.2105
3	5.33	Bromide	MB	1.310	3.892	9363.6526
4	9.96	SO4	BMB	4.347	8.979	17711.0615
		TOTAL:		113.66	283.37	280497.62

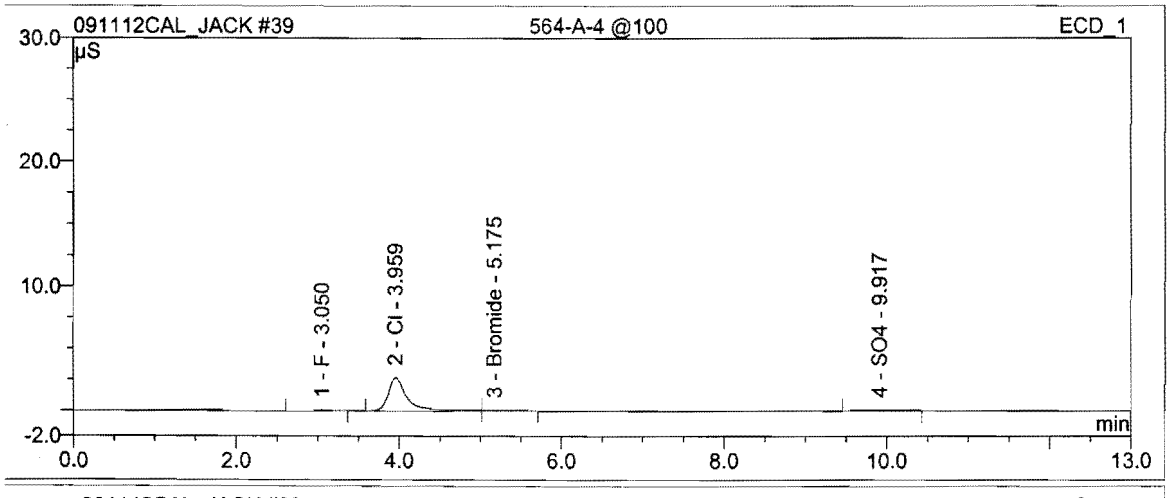


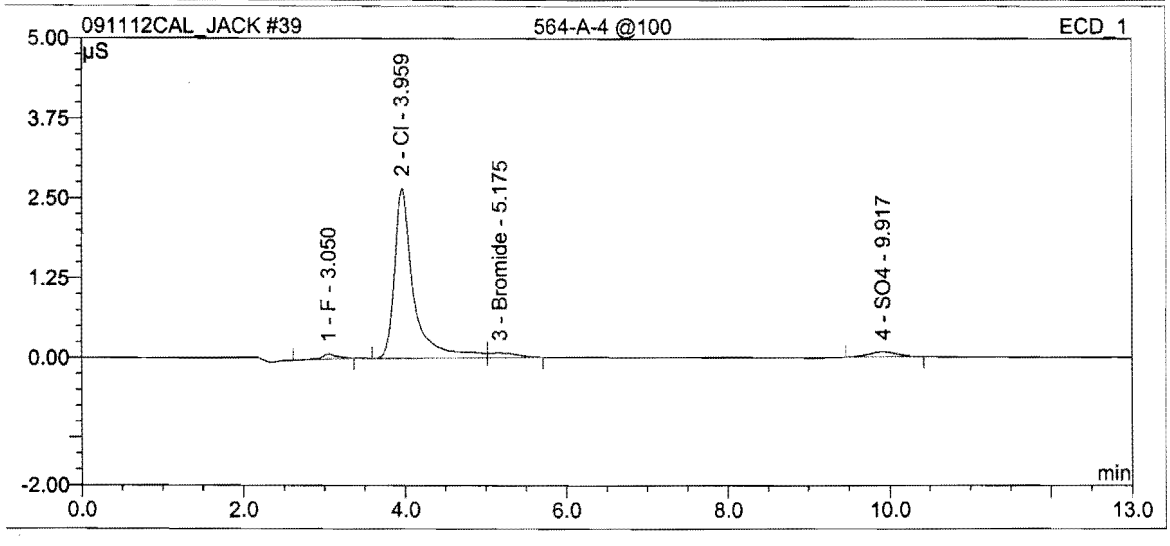


Integration Report - ECD_1

Sample Name:	**564-A-4 @100**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 03:20**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BMB	0.018	0.080	37.6165
2	3.96	Cl	BM	0.727	2.662	2022.0599
3	5.18	Bromide	MB	0.029	0.072	204.8721
4	9.92	SO4	BMB	0.033	0.078	134.8260
		TOTAL:		0.81	2.89	2399.37

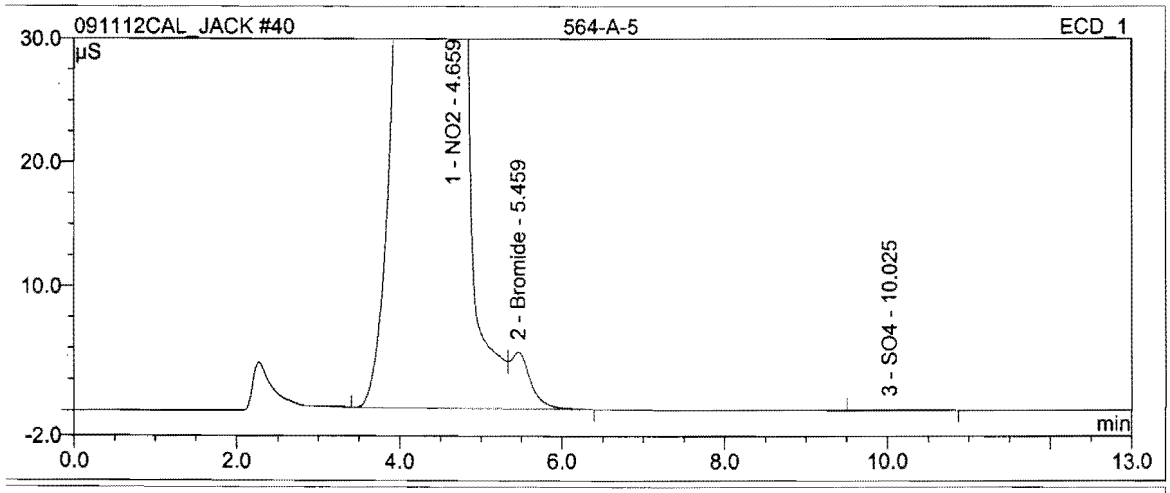


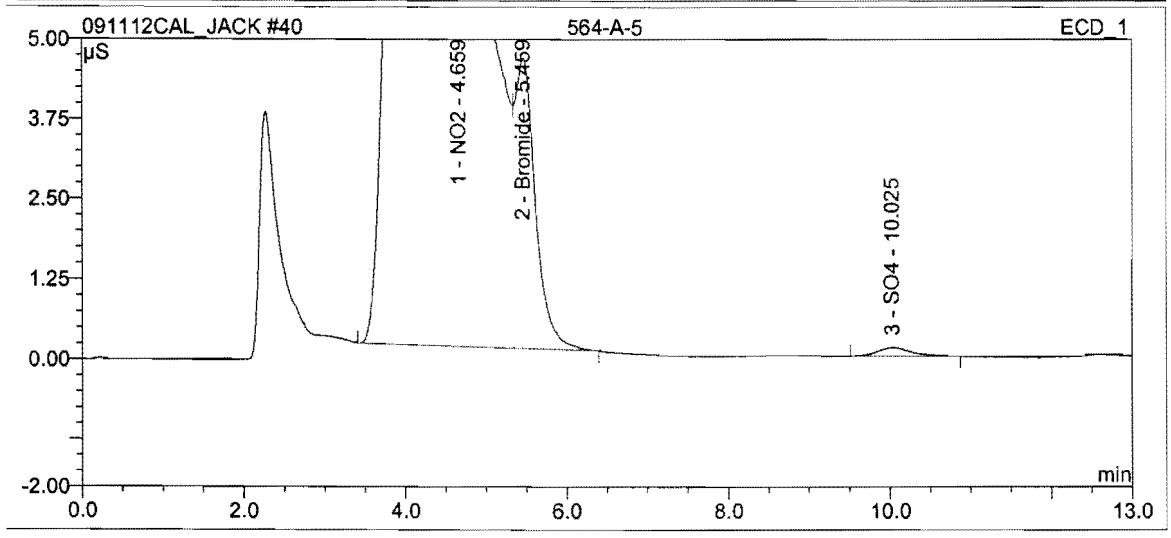


Integration Report - ECD_1

Sample Name:	**564-A-5**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 03:35**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	4.66	NO2	BM	141.053	307.897	331466.6664
2	5.46	Bromide	MB	1.347	4.531	9628.7343
3	10.03	SO4	BMB	0.068	0.138	277.2021
		TOTAL:		142.47	312.57	341372.60

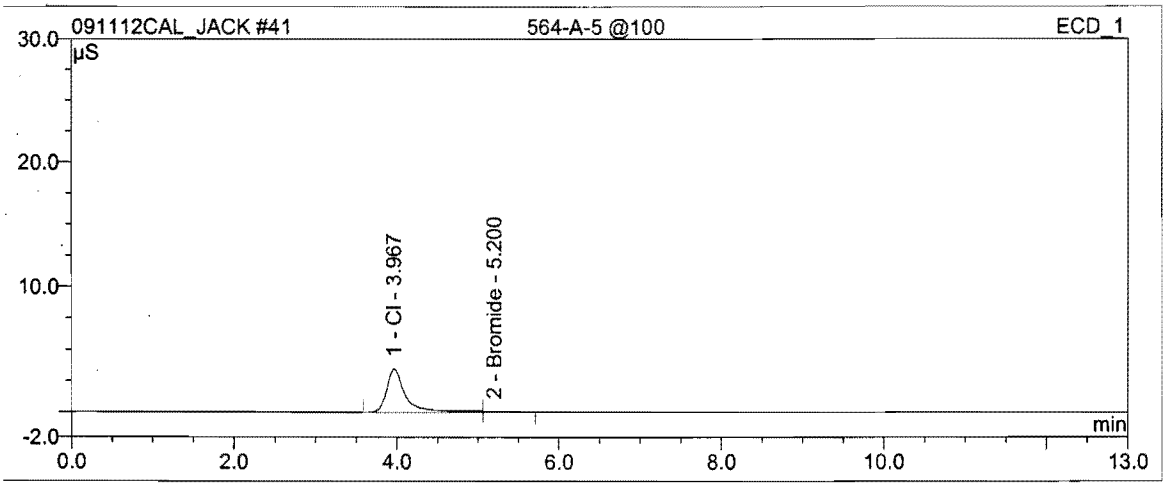


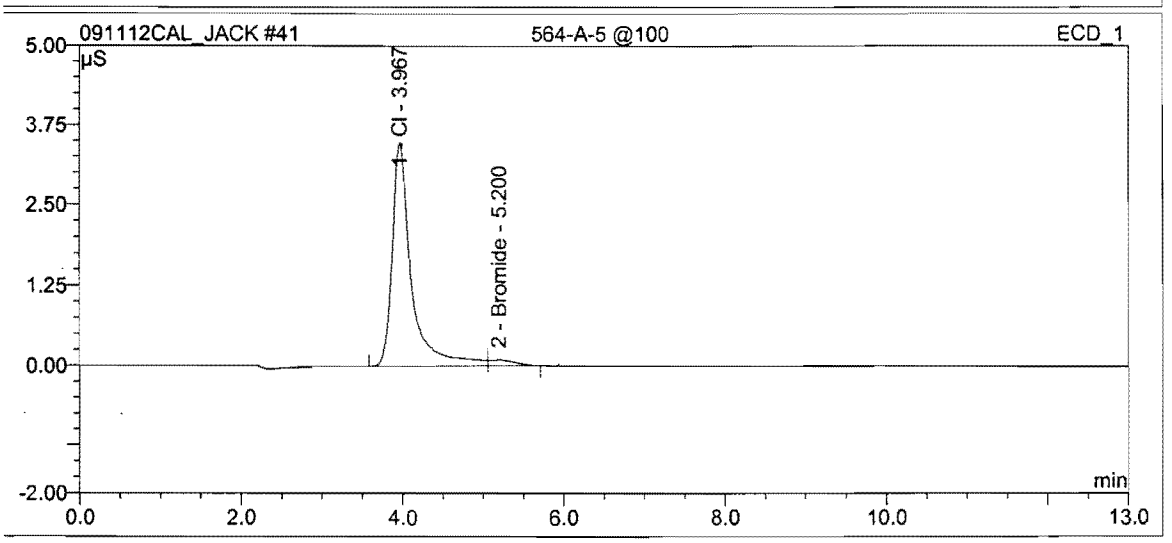


Integration Report - ECD_1

Sample Name:	**564-A-5 @100**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 03:51**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.97	Cl	BM	0.955	3.482	2658.3379
2	5.20	Bromide	MB	0.033	0.093	239.3462
		TOTAL:		0.99	3.57	2897.68





Integration Report - ECD_1

Sample Name:	CCV	*Inj. Vol.:*	50.0
Sample Type:	unknown	*Dilution Factor:*	1.0000
Program:	SLIC03_local	*Operator:*	n.a.
Inj. Date/Time:	12.09.12 04:06	*Run Time:*	13.00

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.461	1.807	974.8340
2	3.96	Cl	M	0.813	2.562	2261.3815
3	4.45	NO2	Rd	0.030	0.191	69.8130
4	5.25	Bromide	M	0.275	0.897	1967.7496
5	5.84	NO3	MB	0.347	0.879	403.3666
6	8.08	OPO4	BM	0.672	1.484	7143.8295
7	9.88	SO4	MB	1.772	3.496	7221.4890
		TOTAL:		4.37	11.32	20042.46

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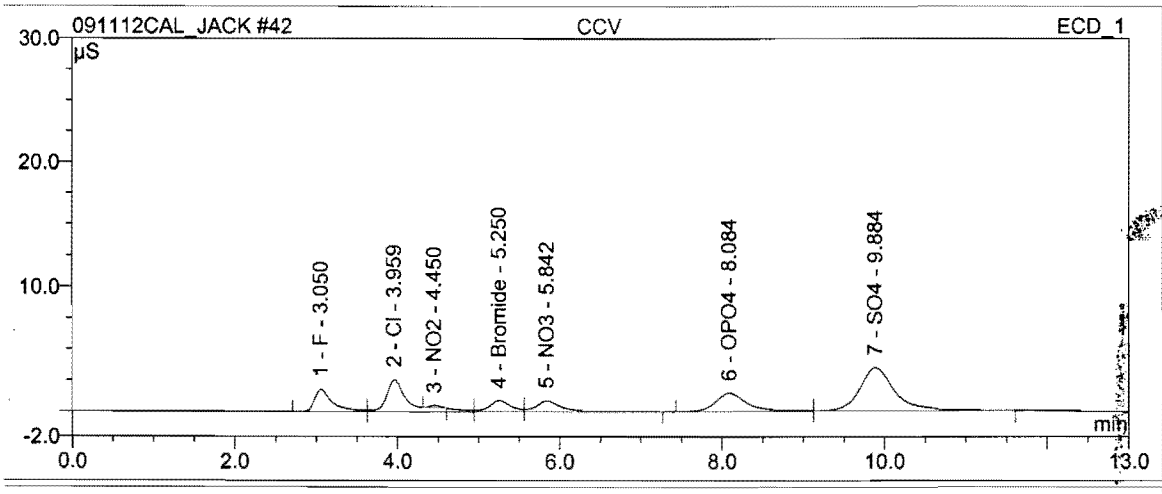
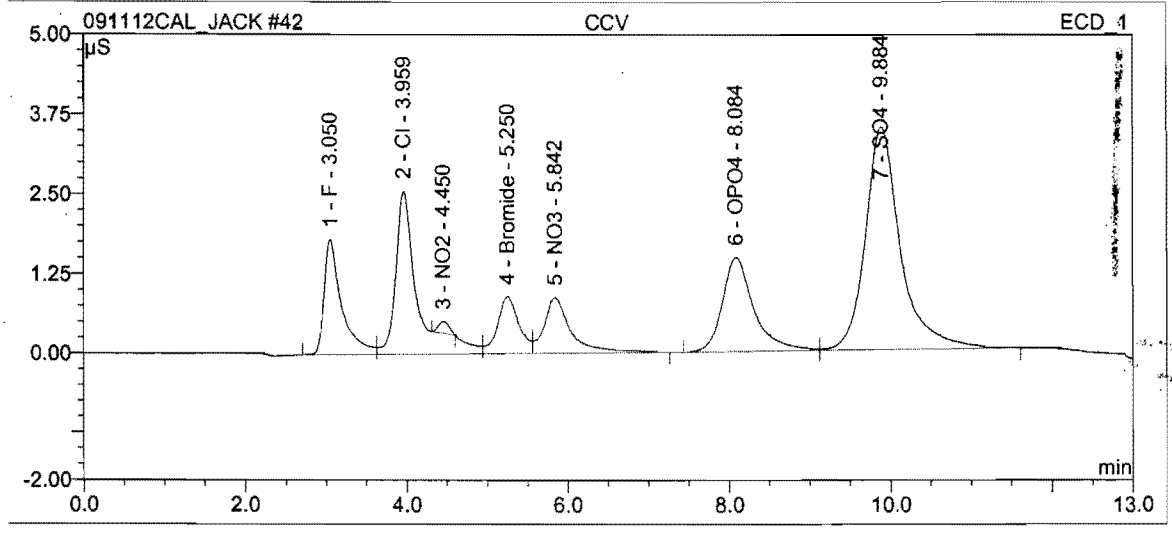


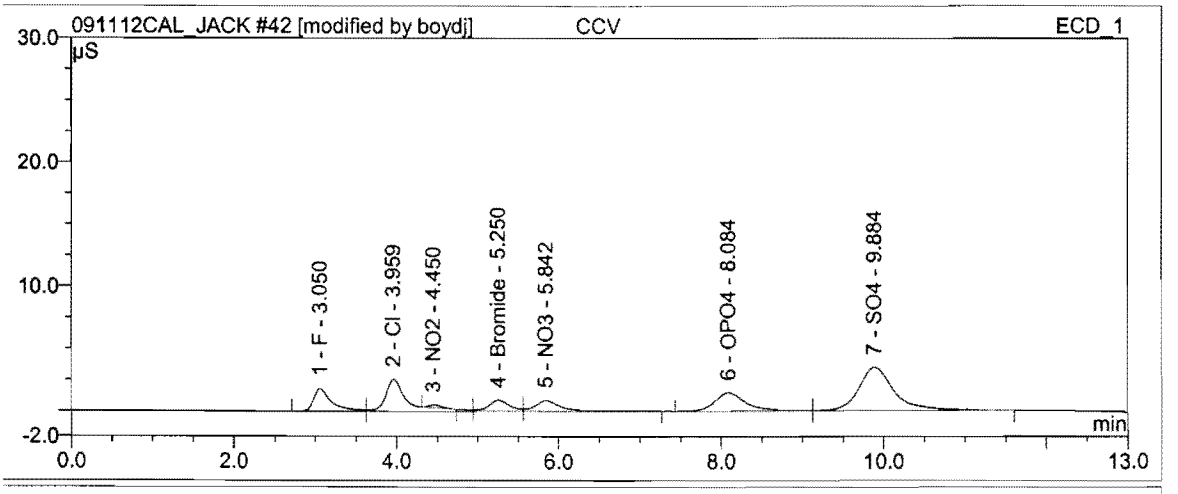


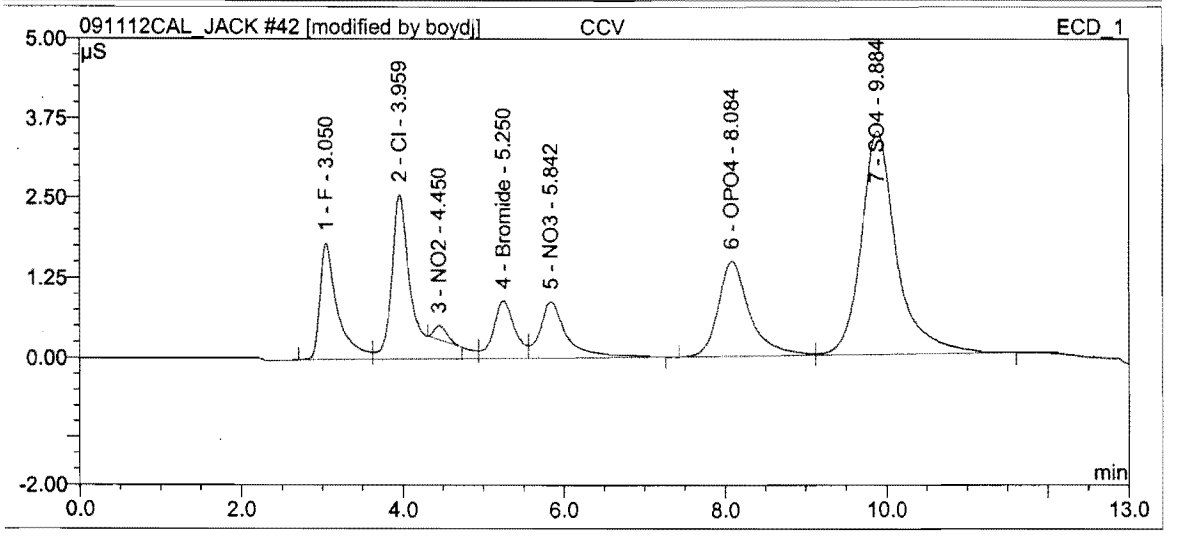
1. Peak Not Found
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing -No2
6. Split Peak
7. Other _____

Integration Report - ECD_1

Sample Name:	**CCV**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 04:06**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.461	1.807	974.8340
2	3.96	Cl	M *	0.800	2.562	2226.7454
3	4.45	NO2	Rd*	0.042	0.222	99.0573
4	5.25	Bromide	M	0.275	0.897	1967.7496
5	5.84	NO3	MB	0.347	0.879	403.3666
6	8.08	OPO4	BM	0.672	1.484	7143.8295
7	9.88	SO4	MB	1.772	3.496	7221.4890
		TOTAL:		4.37	11.35	20037.07

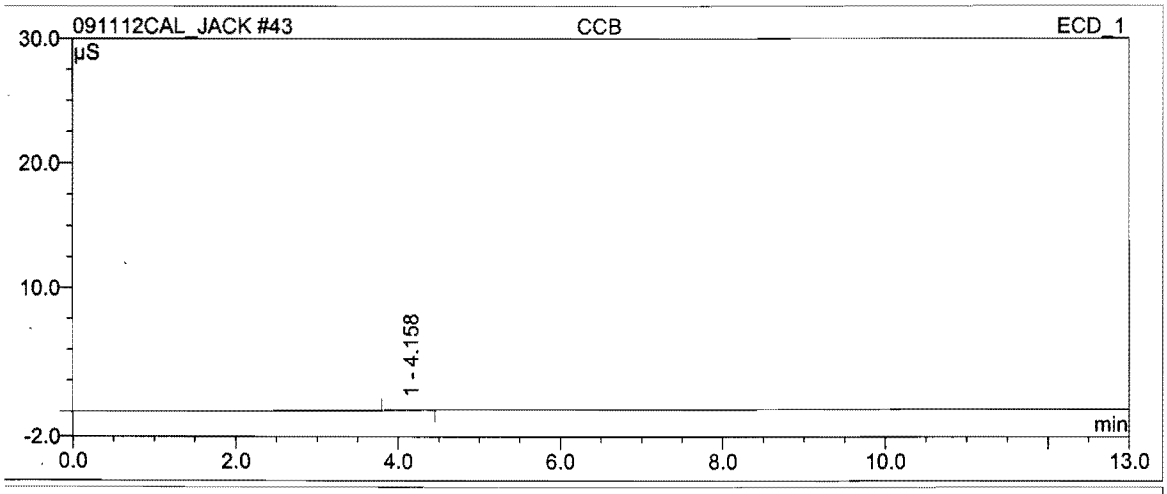


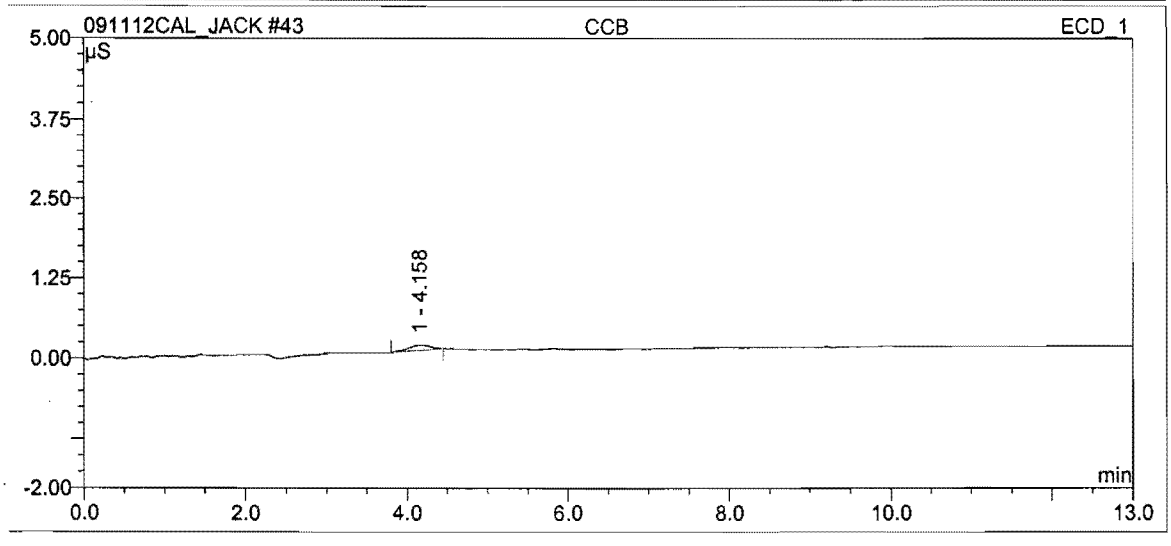


Integration Report - ECD_1

Sample Name:	**CCB**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 04:21**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
		TOTAL:		0.00	0.00	0.00

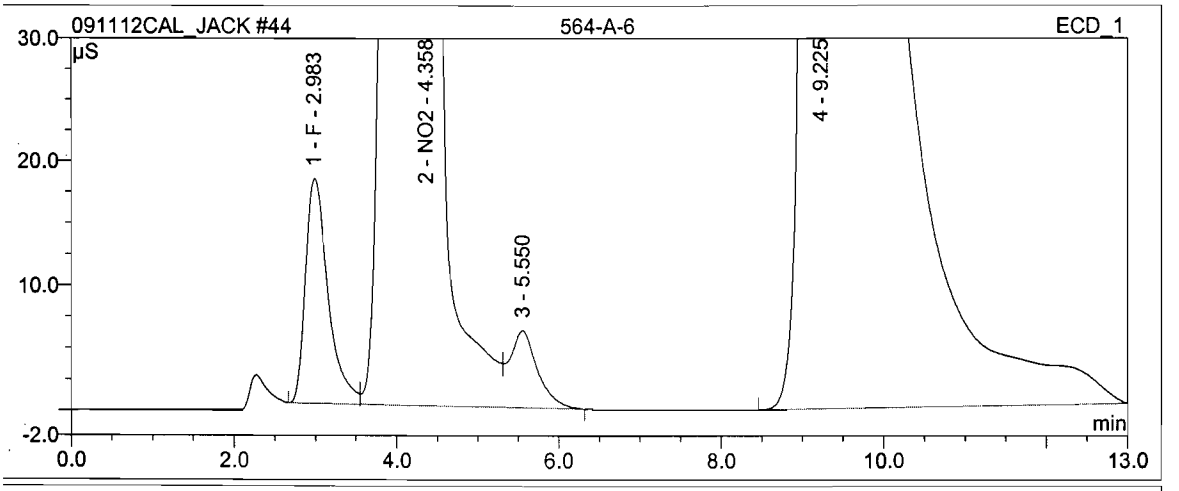


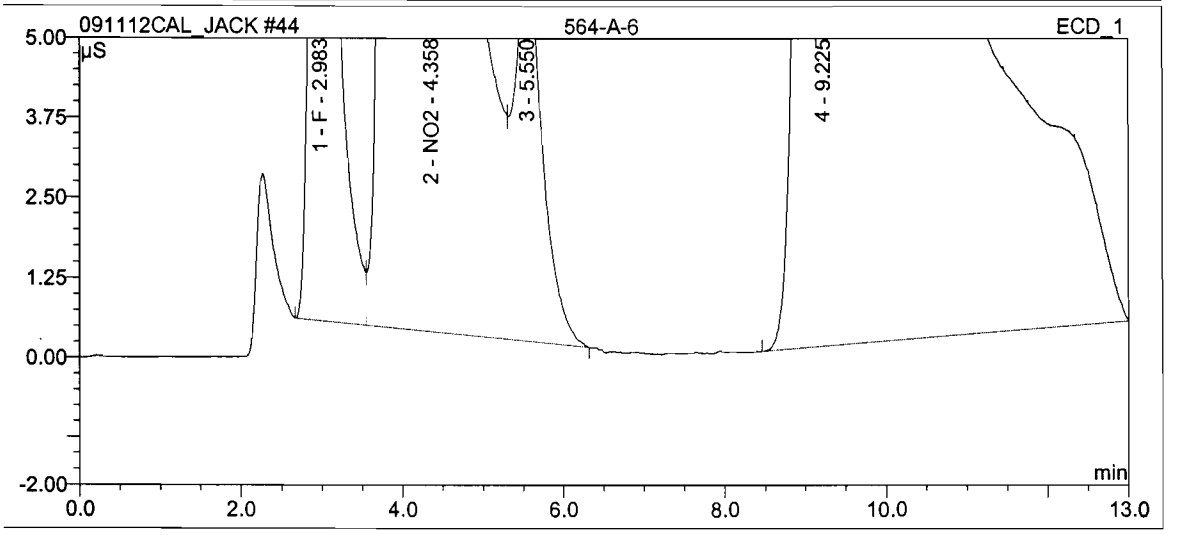


Integration Report - ECD_1

Sample Name:	**564-A-6**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 04:37**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	2.98	F	BM	5.765	18.007	12192.2249
2	4.36	NO2	M	156.602	373.559	368005.9806
		TOTAL:		162.37	391.57	380198.21





Integration Report - ECD_1

Sample Name:	**564-A-6 @100**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 04:52**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.00	F	BMB	0.057	0.258	120.6004
2	3.98	Cl	BM	1.019	4.027	2834.8574
3	5.50	Bromide	MB	0.012	0.028	84.1019
4	9.58	SO4	BMB	1.650	3.224	6724.0319
		TOTAL:		2.74	7.54	9763.59

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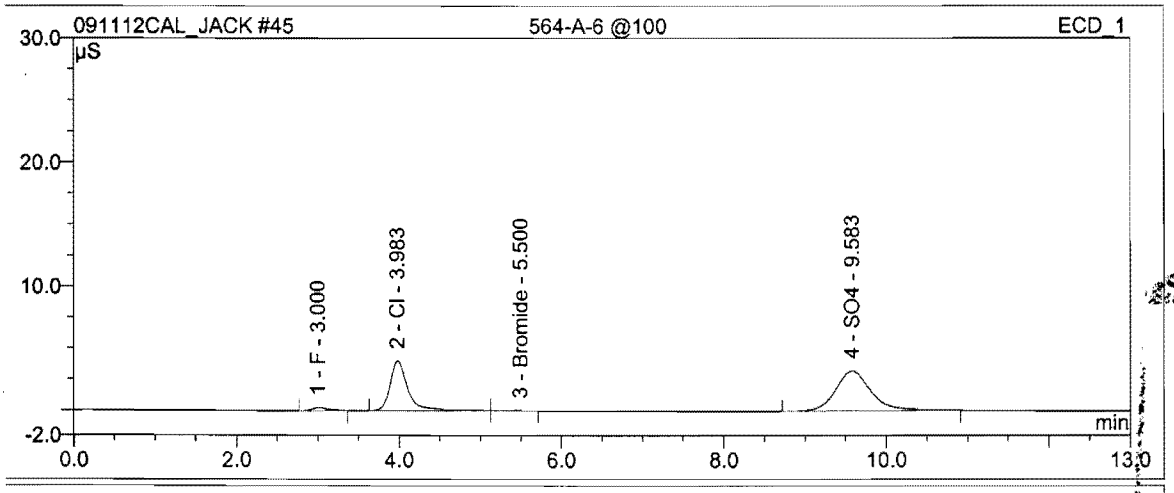
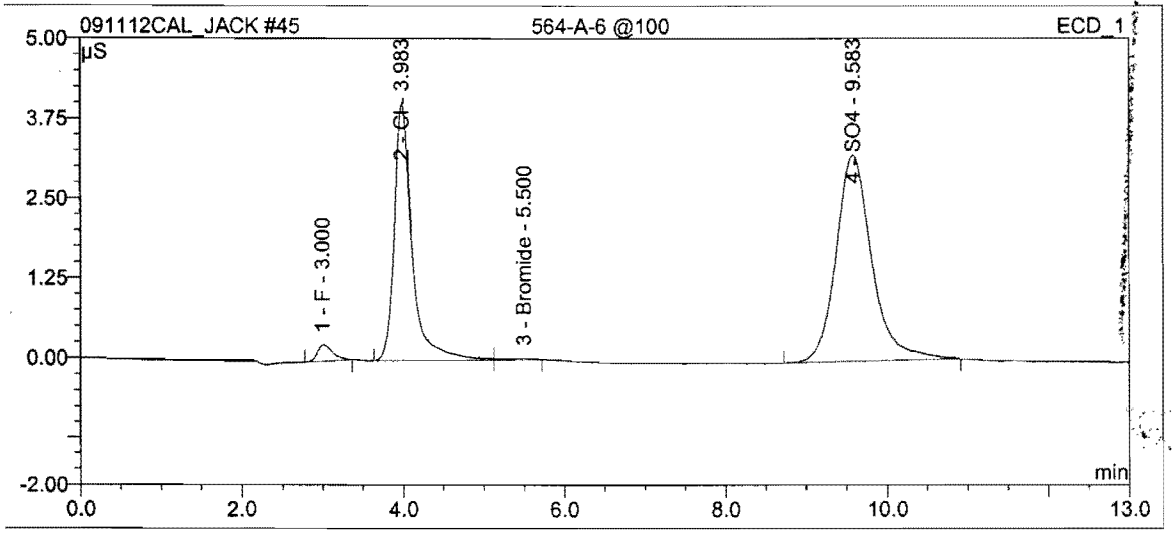




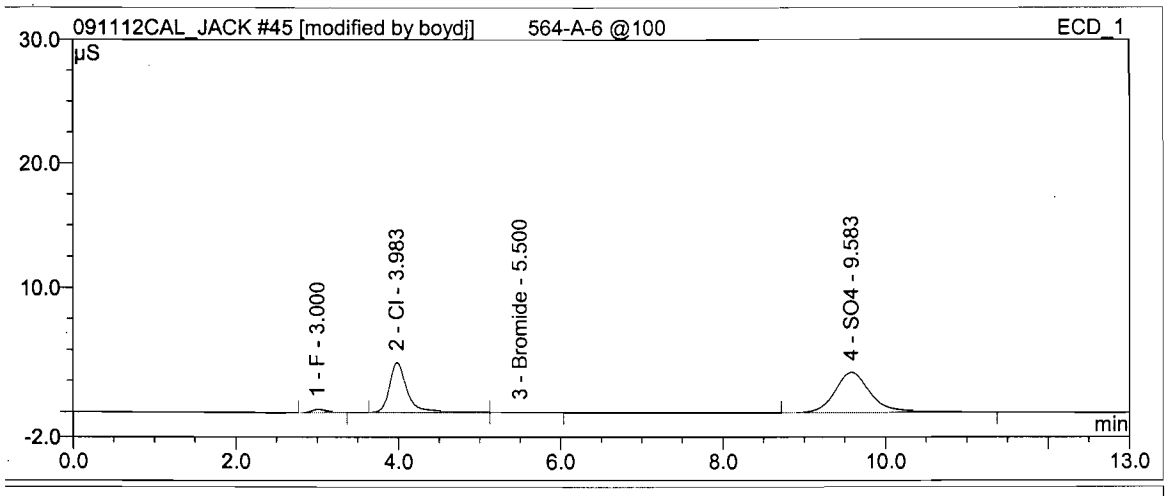
Cl, Br, SO4

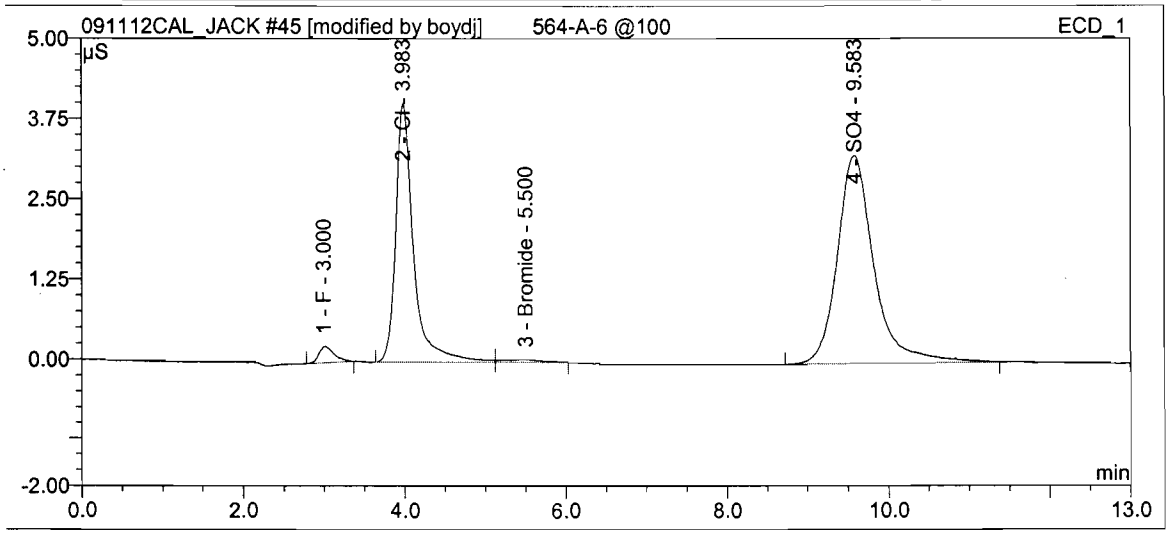
1. Peak too Broad
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing
6. Split Peak
7. Other

Integration Report - ECD_1

Sample Name:	**564-A-6 @100**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 04:52**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.00	F	BMB	0.057	0.258	120.6004
2	3.98	Cl	BM *	1.027	4.030	2858.9411
3	5.50	Bromide	MB*	0.023	0.043	166.0374
4	9.58	SO4	BMB*	1.701	3.239	6928.6232
			TOTAL:	2.81	7.57	10074.20





Integration Report - ECD_1

Sample Name:	**564-A-7**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 05:08**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.10	F	BM	0.044	0.156	92.6217
2	4.35	NO2	M	18.563	87.092	43623.0581
3	5.68	NO3	MB	0.385	0.668	447.0982
4	9.73	SO4	BMB	0.330	0.696	1343.0178
		TOTAL:		19.32	88.61	45505.80

MI
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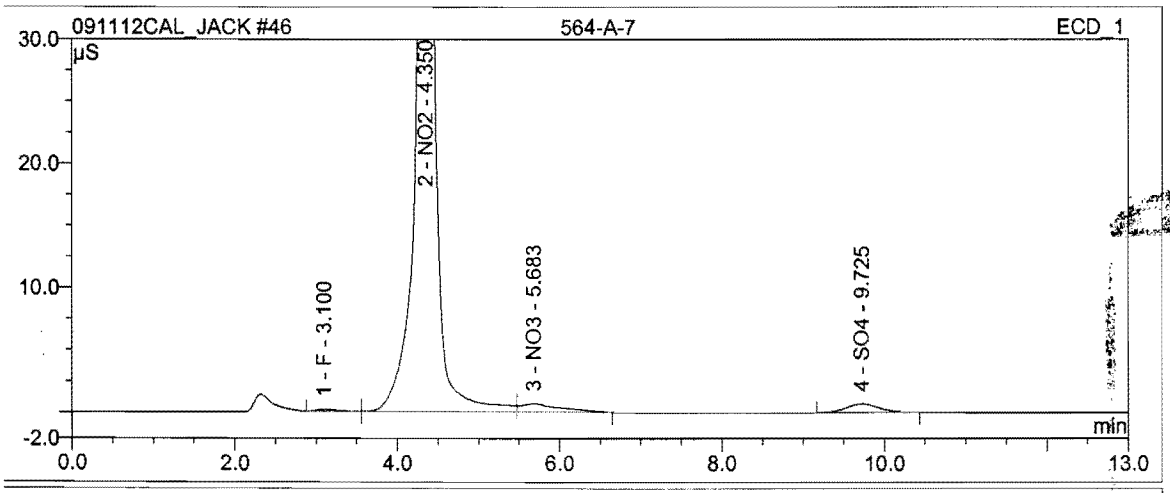
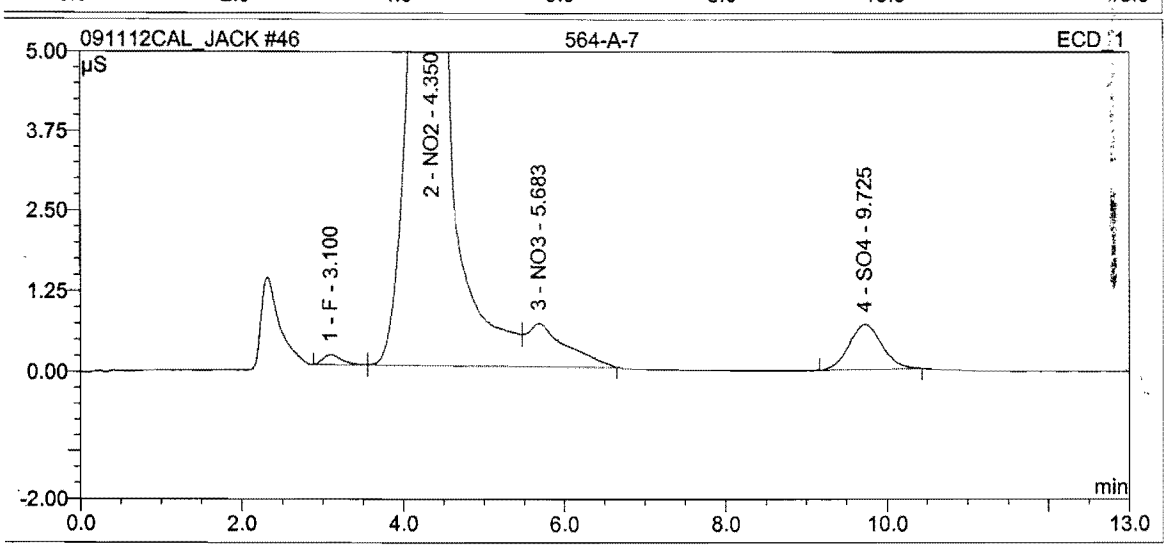


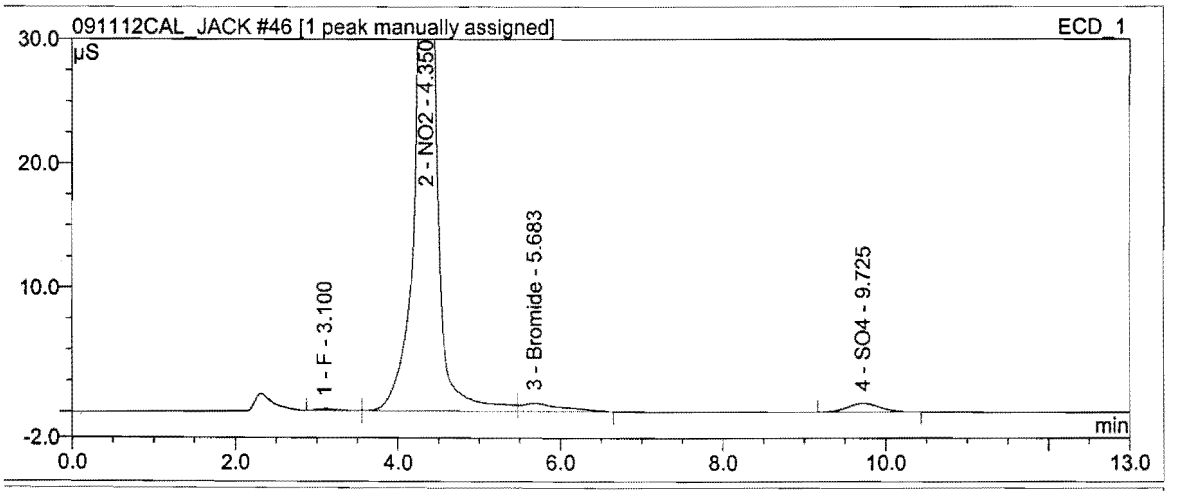


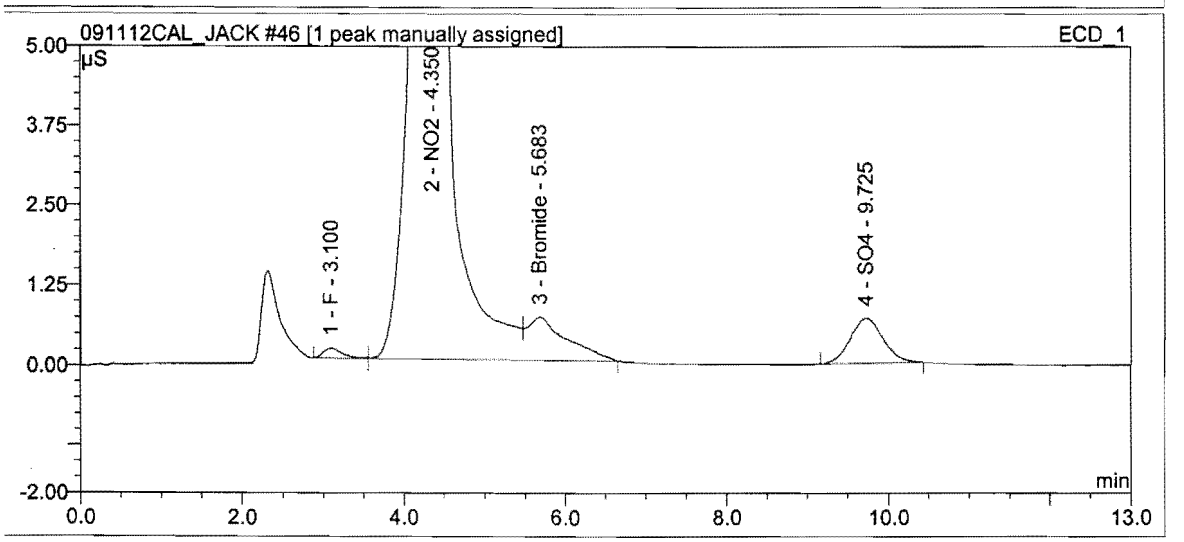
1. Peak Not Found
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak -Br, not NO3. Wrong RT. RT's pushed out, evidenced by ending CCV.
5. Baseline Smoothing
6. Split Peak
7. Other

Integration Report - ECD_1

Sample Name:	**564-A-7**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 05:08**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.10	F	BM	0.044	0.156	92.6217
2	4.35	NO2	M	18.563	87.092	43623.0581
3	5.68	Bromide	MB^	0.385	0.668	2751.1977
4	9.73	SO4	BMB	0.330	0.696	1343.0178
		TOTAL:		19.32	88.61	47809.90





Integration Report - ECD_1

Sample Name:	**564-A-7 @20**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 05:23**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	4.03	Cl	BMB	0.706	2.869	1964.3882
		TOTAL:		0.71	2.87	1964.39

MI
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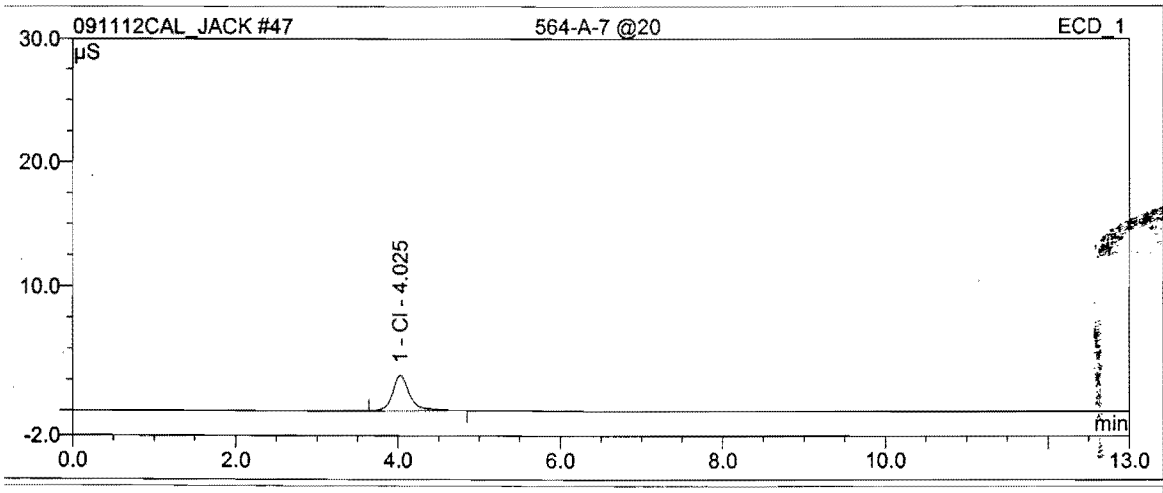
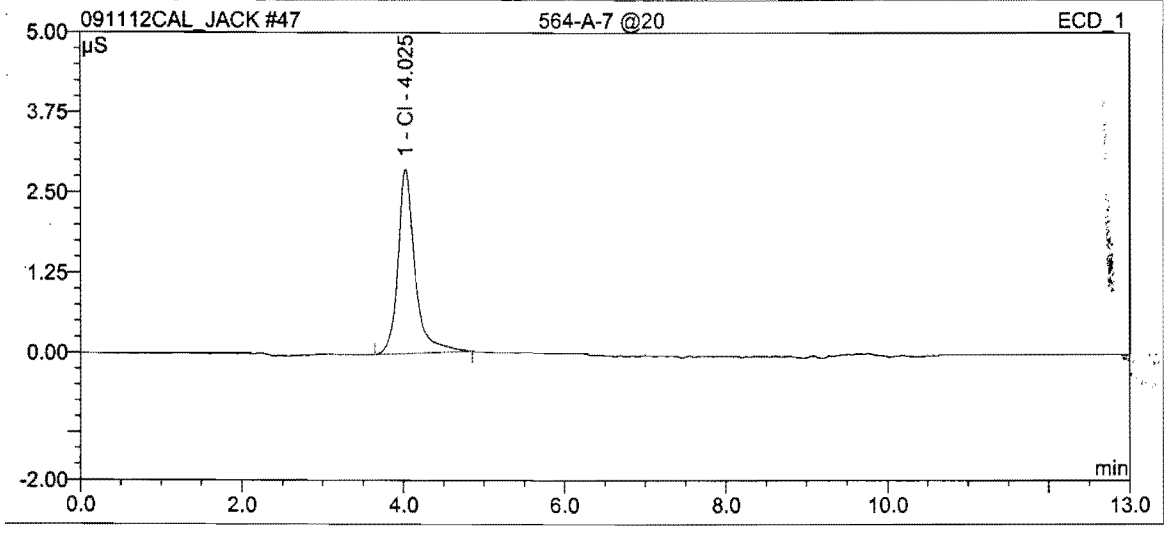
SEP 14 2012





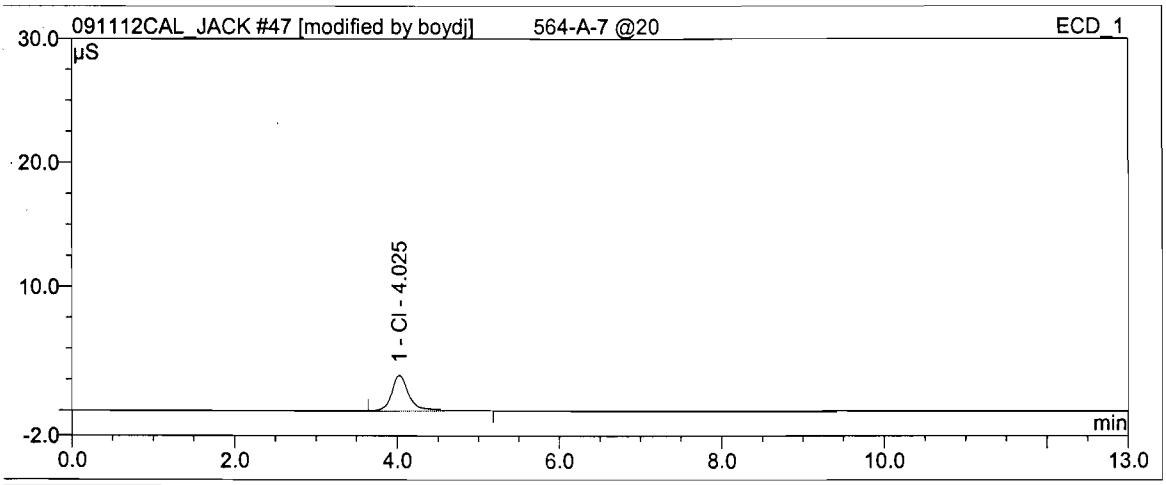
1. Peak Not Found
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing
6. Split Peak
7. Other

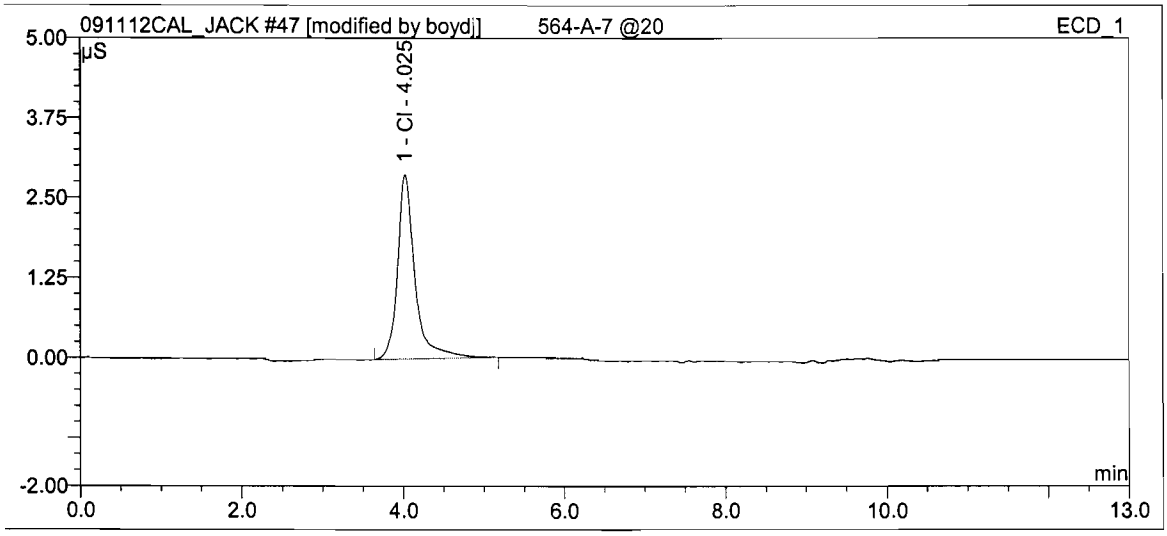
0 -Cl

Integration Report - ECD_1

Sample Name:	**564-A-7 @20**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 05:23**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	4.03	Cl	BMB*	0.725	2.877	2017.6461
		TOTAL:		0.72	2.88	2017.65





Integration Report - ECD_1

Sample Name:	**564-A-8**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 05:38**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	2.97	F	BM	3.404	9.355	7198.9452
2	4.40	NO2	M	120.095	348.171	282216.9134
3	5.57	NO3	MB	1.677	2.951	1947.8079
		TOTAL:		125.18	360.48	291363.67

MI
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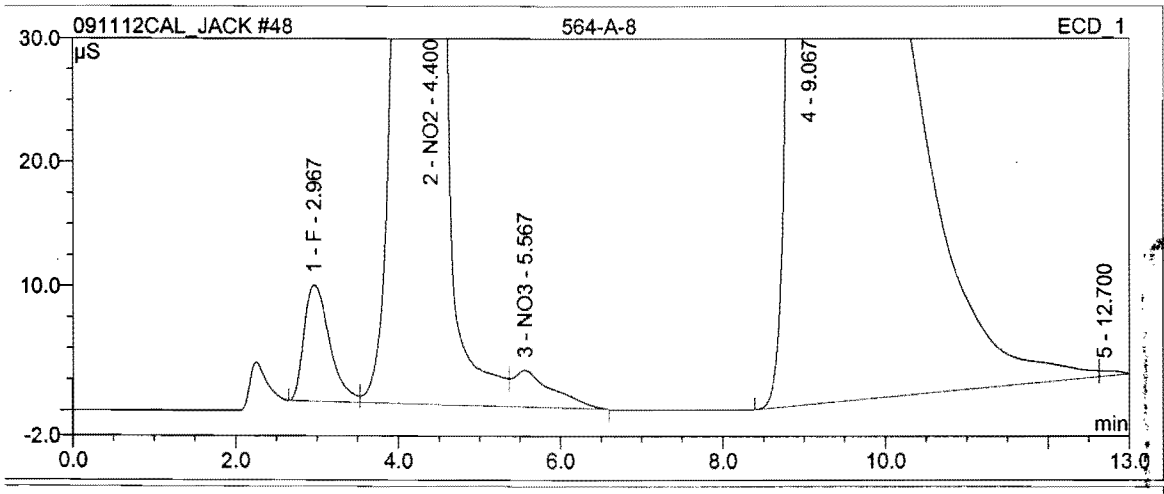
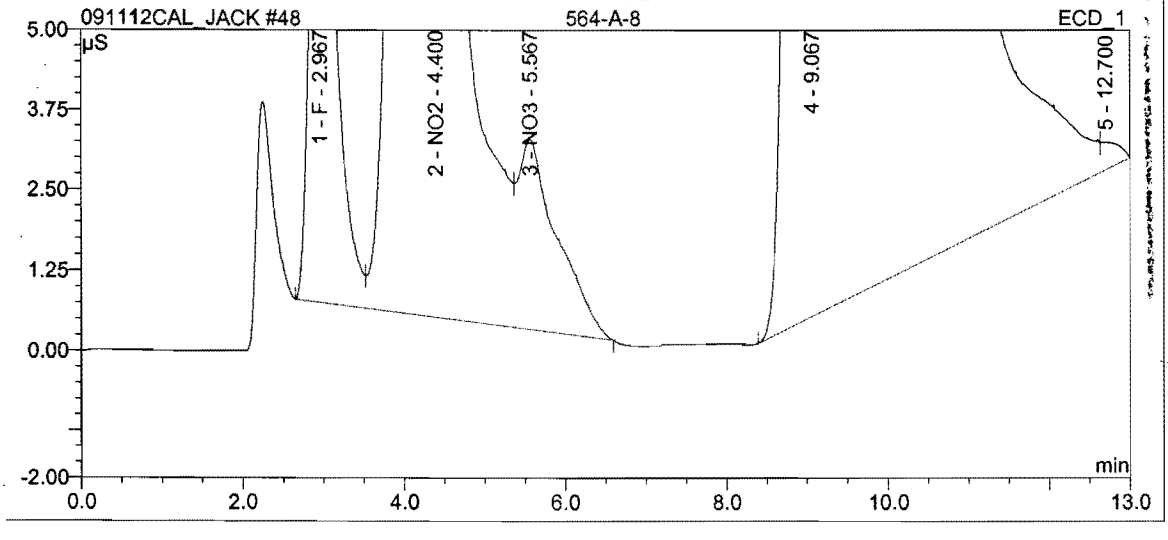


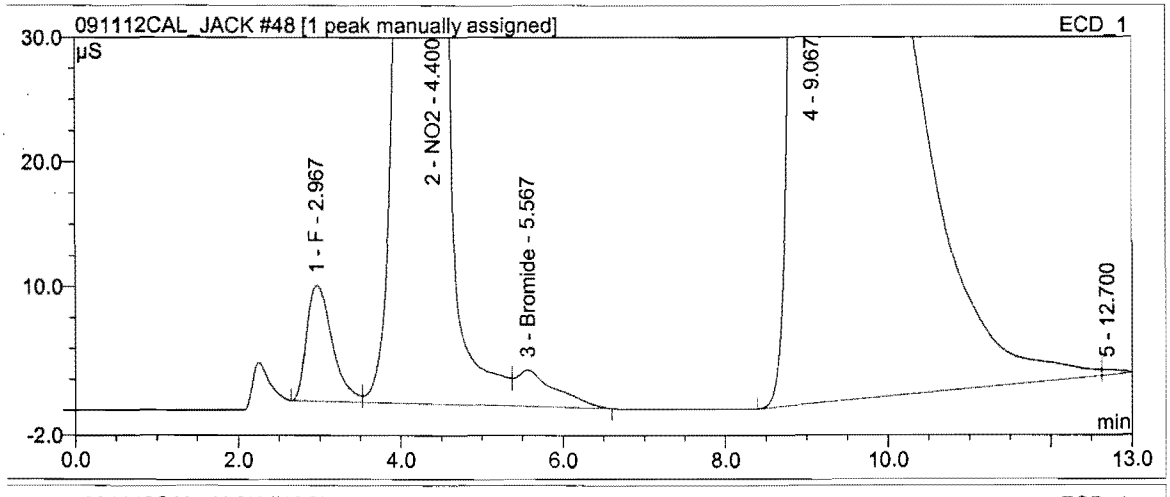


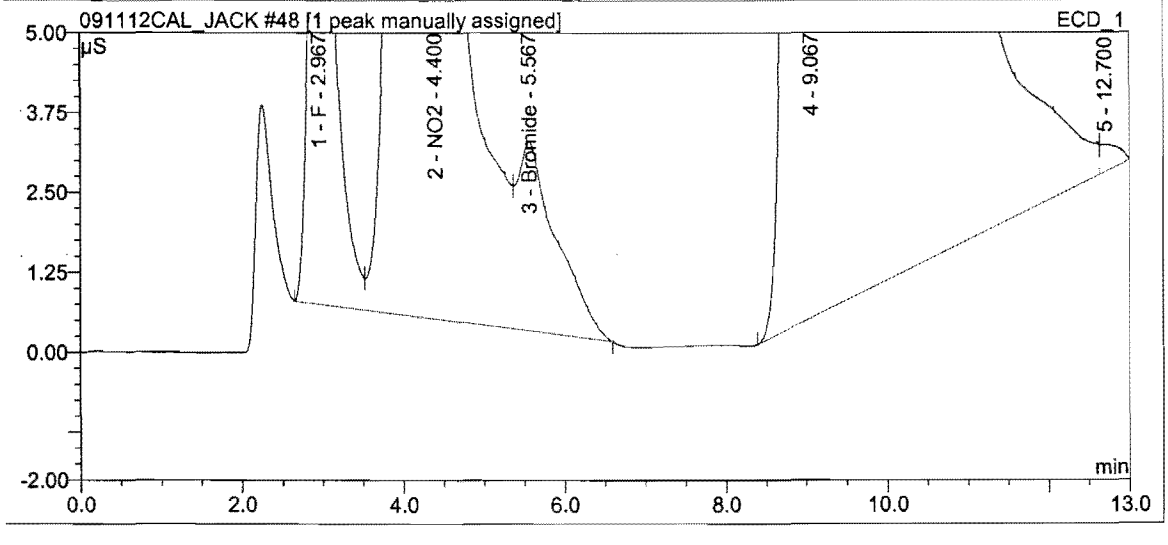
1. Peak Not Found
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak – Br, not NO3. Wrong RT. RTs pushed out, evidenced by ending CCV.
5. Baseline Smoothing
6. Split Peak
7. Other

Integration Report - ECD_1

Sample Name:	**564-A-8**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 05:38**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	2.97	F	BM	3.404	9.355	7198.9452
2	4.40	NO2	M	120.095	348.171	282216.9134
3	5.57	Bromide	MB^	1.677	2.951	11985.7442
		TOTAL:		125.18	360.48	301401.60



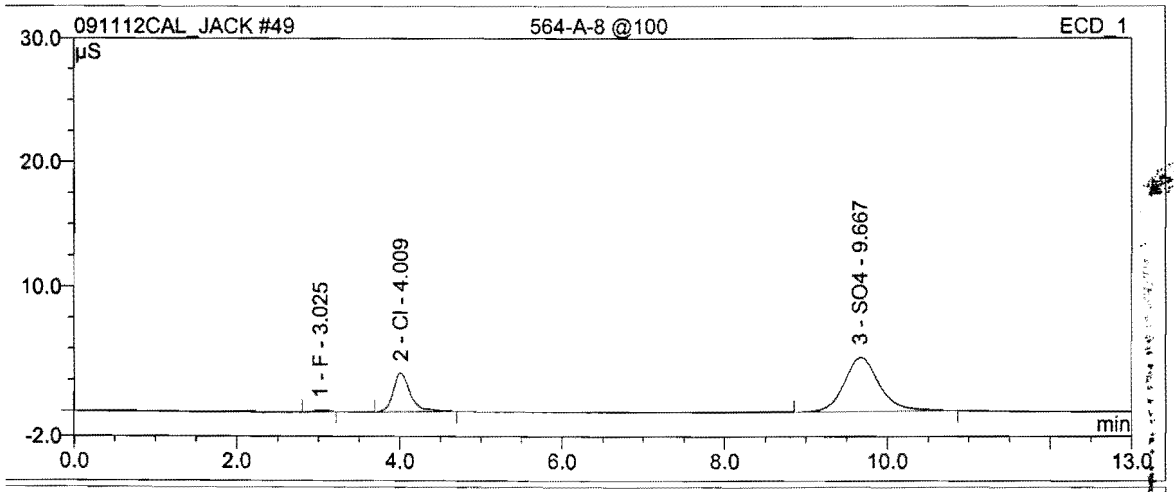


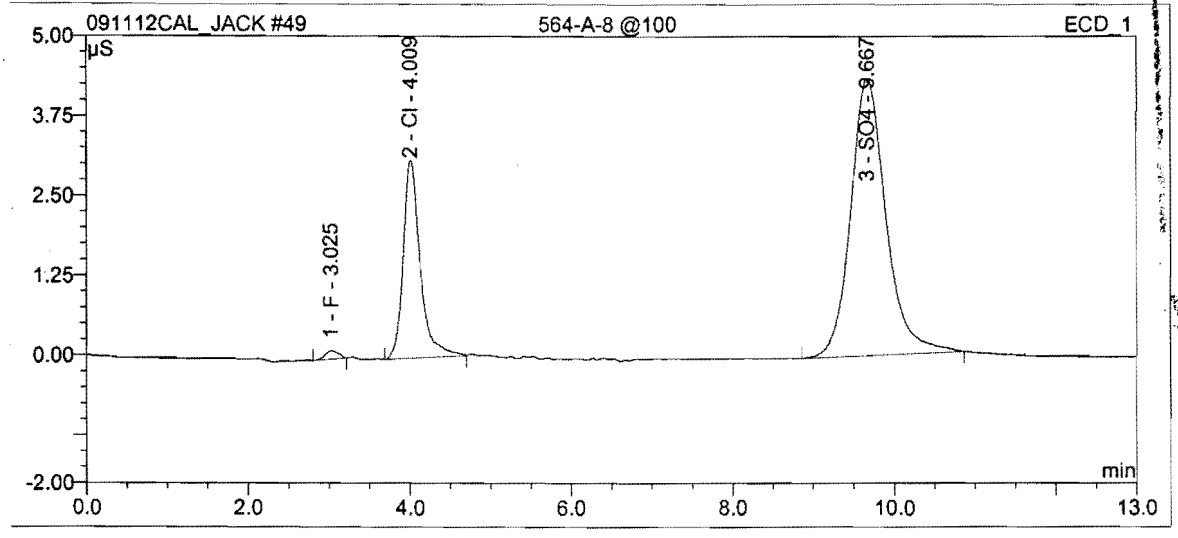
Integration Report - ECD_1

Sample Name:	**564-A-8 @100**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 05:54**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.03	F	BMB	0.026	0.132	54.5982
2	4.01	Cl	BMB	0.755	3.097	2100.6749
3	9.67	SO4	BMB	2.188	4.339	8912.6721
		TOTAL:		2.97	7.57	11067.95

MI
SB
SEP 14 2012



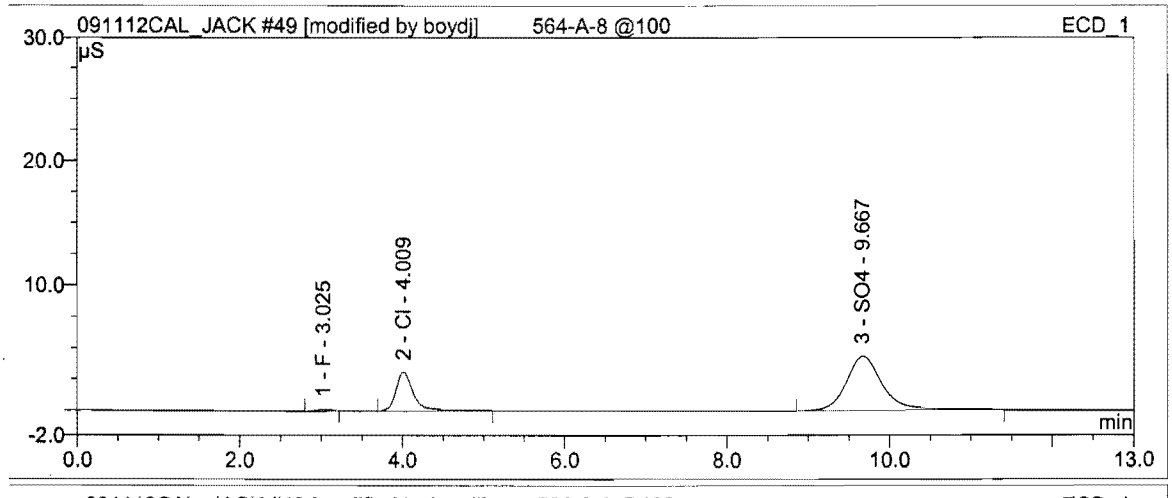


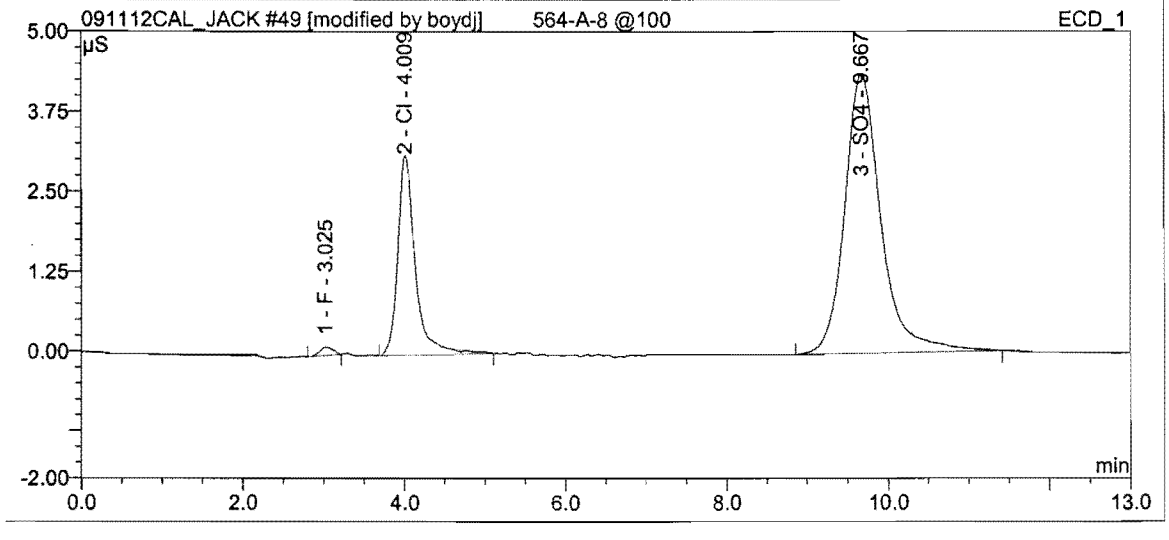
1. Peak Not Found
2. Incorrect Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing -C1,SB4
6. Split Peak
7. Other

Integration Report - ECD_1

Sample Name:	**564-A-8 @100**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 05:54**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.03	F	BMB	0.026	0.132	54.5982
2	4.01	Cl	BMB*	0.788	3.109	2193.4393
3	9.67	SO4	BMB*	2.269	4.365	9246.0986
		TOTAL:		3.08	7.61	11494.14



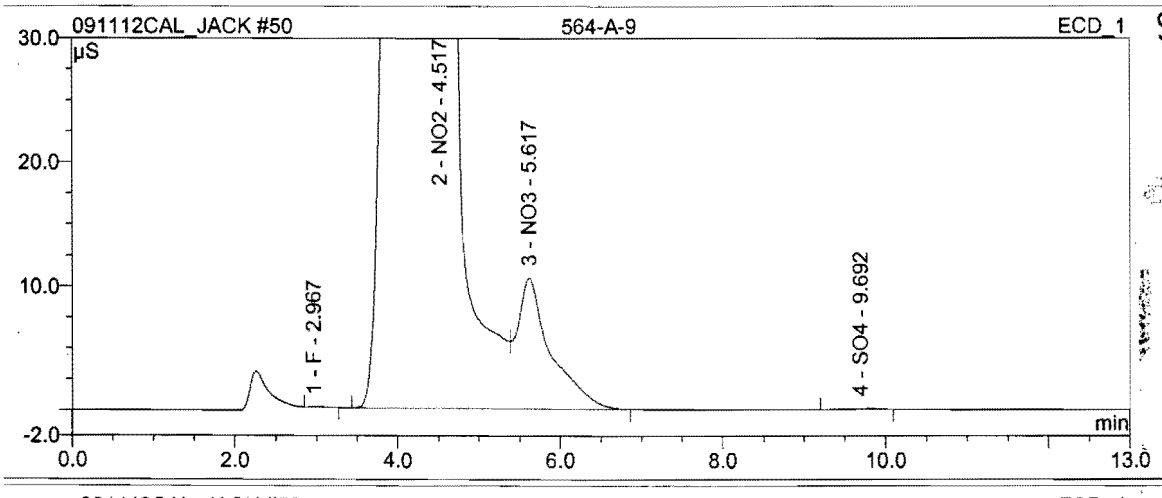


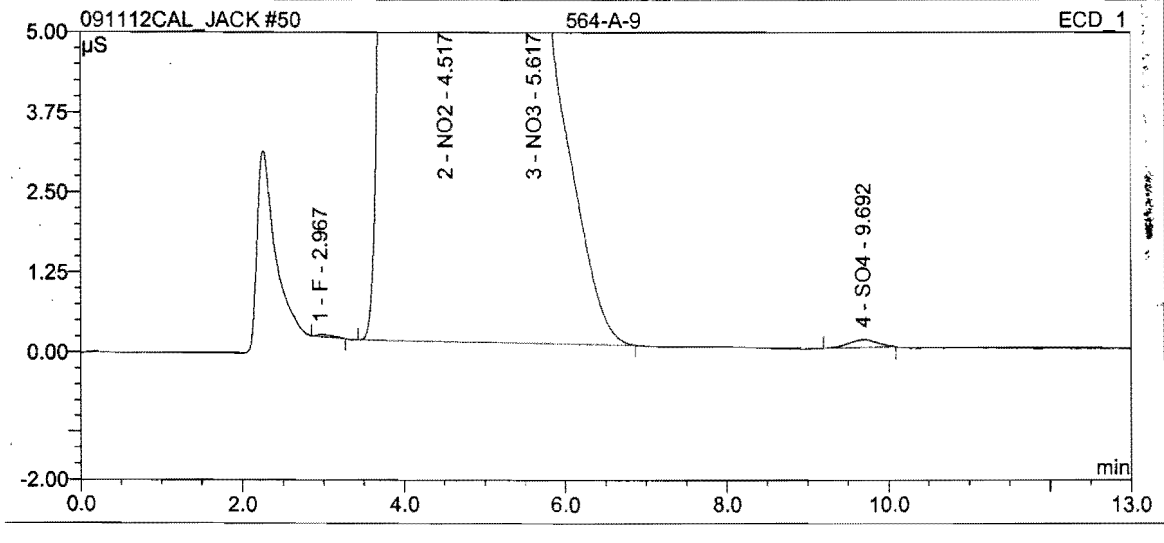
Integration Report - ECD_1

Sample Name:	**564-A-9**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 06:09**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	2.97	F	BMB	0.009	0.032	18.5435
2	4.52	NO2	BM	228.635	468.116	537280.3229
3	5.62	NO3	MB	5.105	10.573	5930.3709
4	9.69	SO4	BMB	0.053	0.124	215.8913
		TOTAL:		233.80	478.84	543445.13

MI
JB
SEP 14 2012



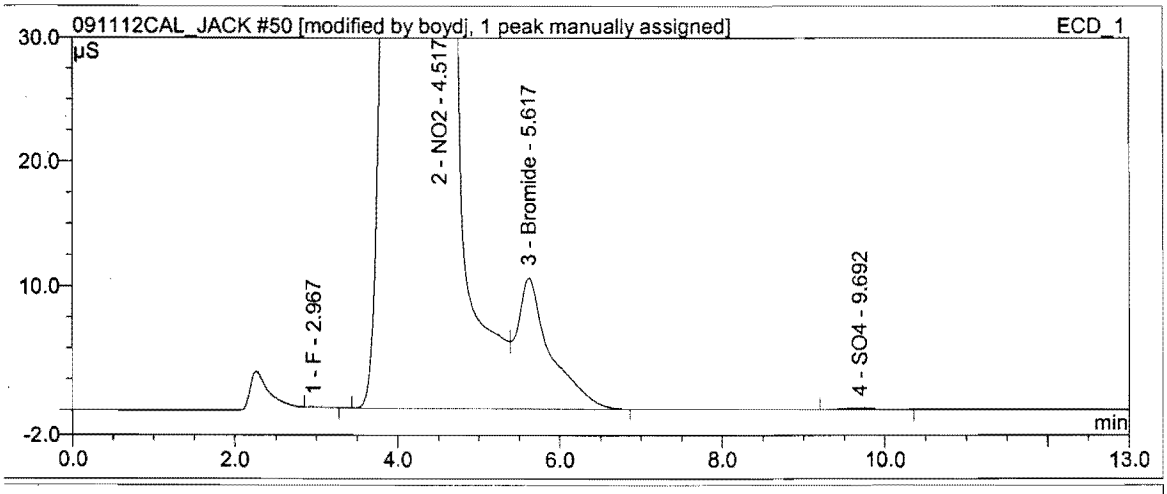


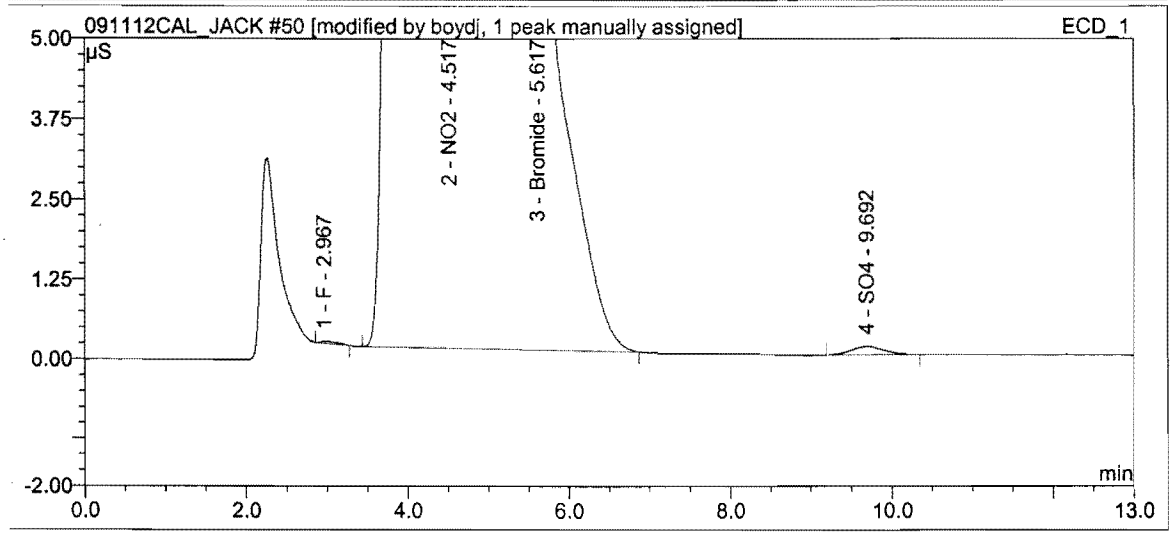
1. Peak Not Found
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak - Br, not NO3. Wrong RT.
5. Baseline Smoothing (SO4) RTs pushed out, evidenced by ending c.c.v.
6. Split Peak
7. Other

Integration Report - ECD_1

Sample Name:	**564-A-9**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 06:09**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	2.97	F	BMB	0.009	0.032	18.5435
2	4.52	NO2	BM	228.635	468.116	537280.3229
3	5.62	Bromide	MB^	5.105	10.573	36492.2589
4	9.69	SO4	BMB*	0.063	0.134	258.2386
		TOTAL:		233.81	478.85	574049.36



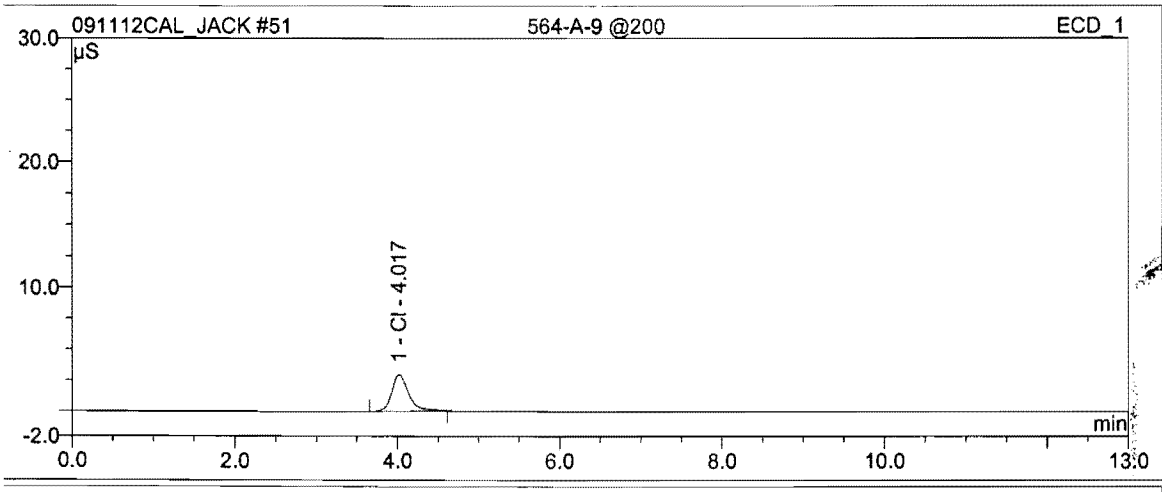


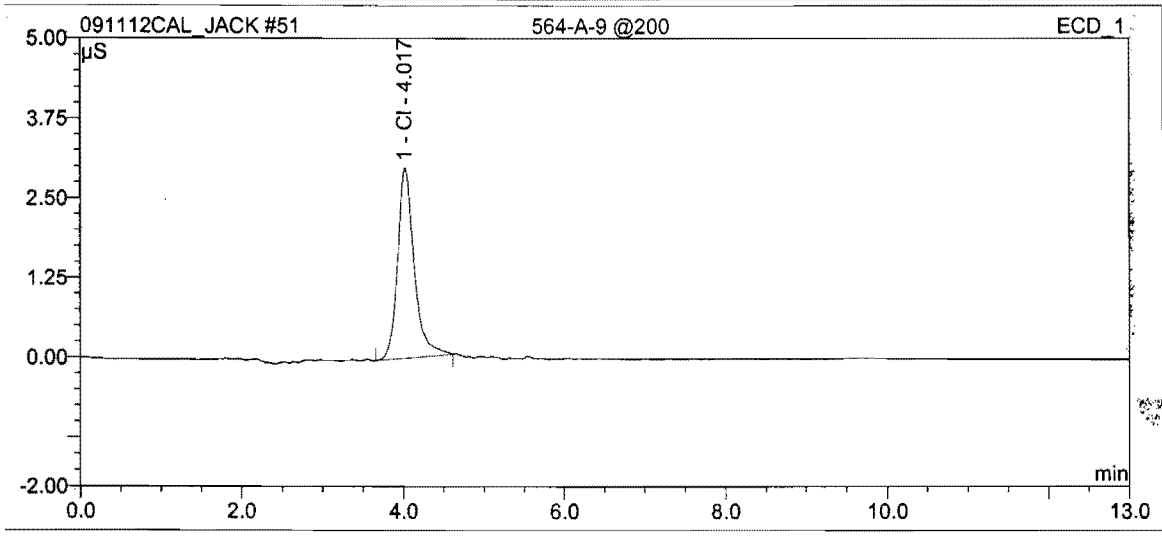
Integration Report - ECD_1

Sample Name:	**564-A-9 @200**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 06:25**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	4.02	Cl	BMB	0.709	2.988	1972.9938
		TOTAL:		0.71	2.99	1972.99

MI
JB
SEP 14 2012



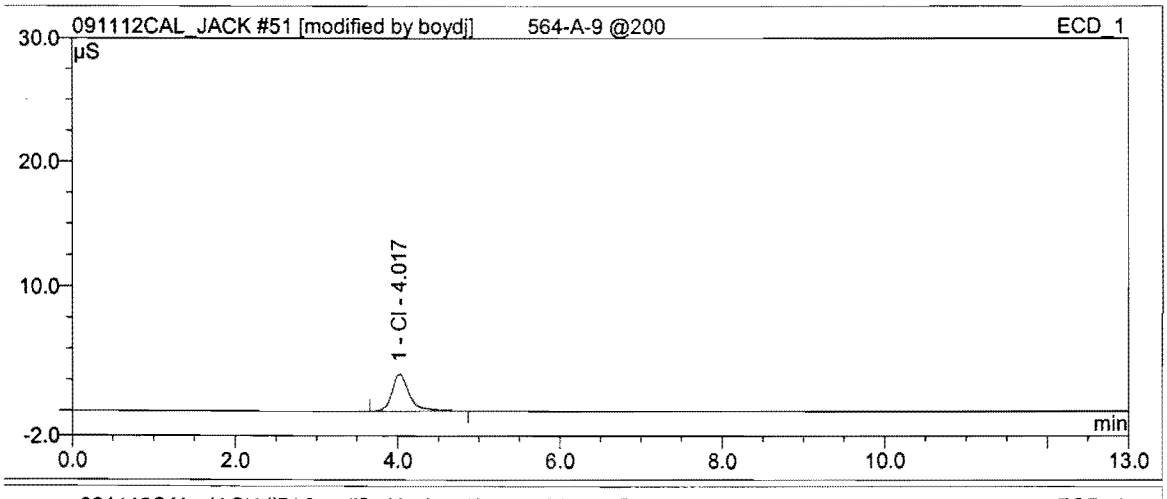


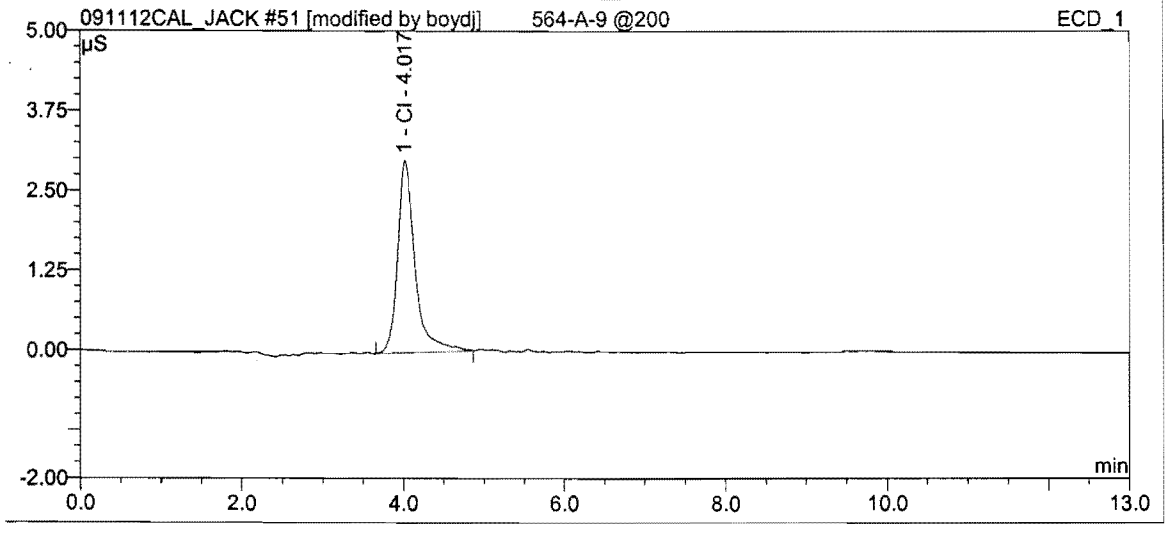
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing - Cl
6. Split Peak
7. Other

Integration Report - ECD_1

Sample Name:	**564-A-9 @200**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 06:25**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	4.02	Cl	BMB*	0.750	3.012	2086.3572
		TOTAL:		0.75	3.01	2086.36



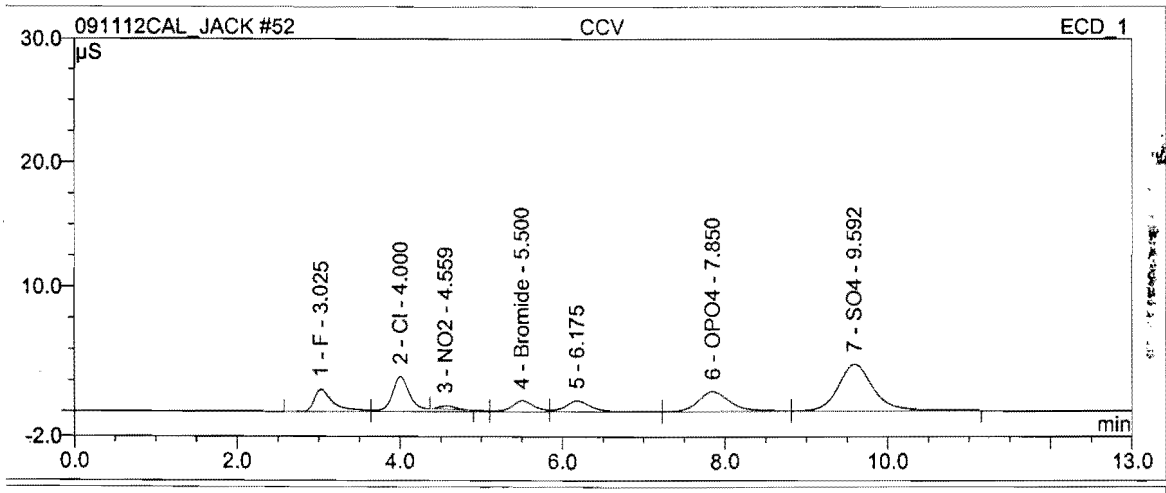


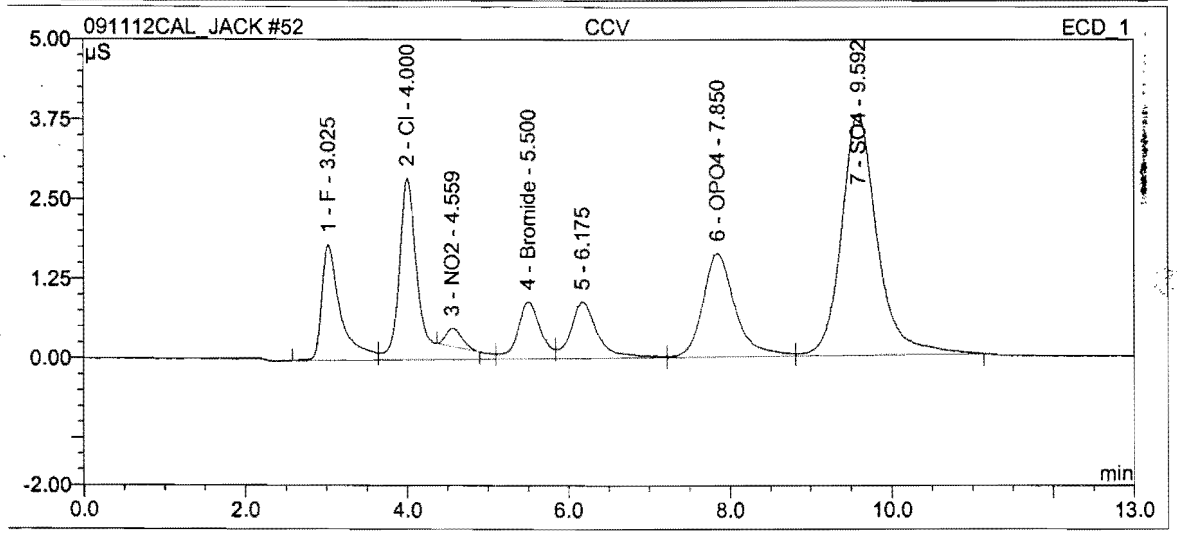
Integration Report - ECD_1

Sample Name:	**CCV**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 06:40**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.03	F	BM	0.499	1.821	1055.0180
2	4.00	Cl	M	0.834	2.849	2322.0670
3	4.56	NO2	Rd	0.068	0.290	159.5094
4	5.50	Bromide	M	0.294	0.900	2102.9084
6	7.85	OPO4	M	0.756	1.633	8042.4447
7	9.59	SO4	MB	1.946	3.793	7926.5674
		TOTAL:		4.40	11.29	21608.51

MI
SB
SEP 14 2012



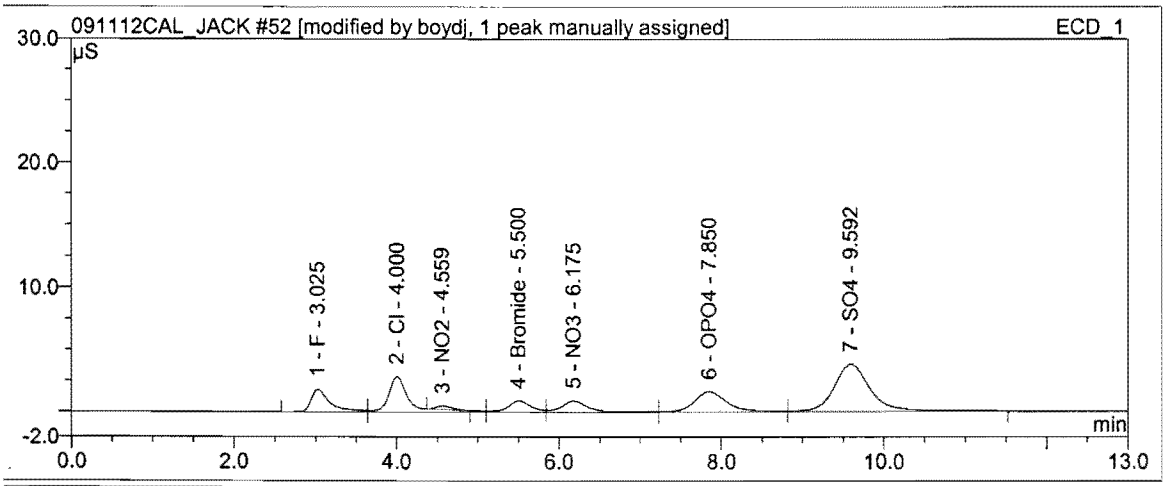


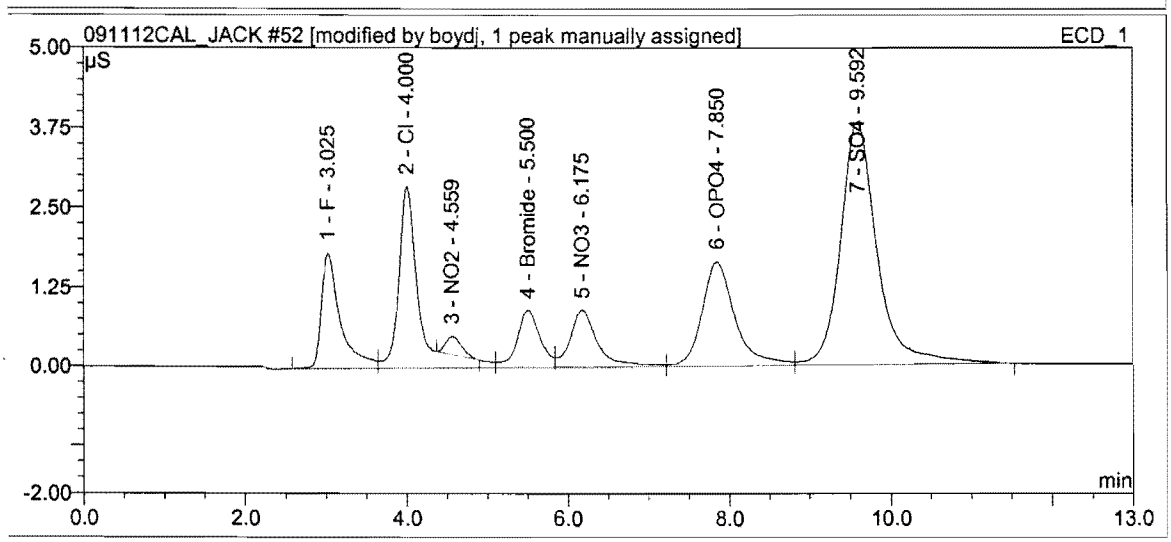
1. Peak Not Found
2. Incomplete Integration
3. Assign Peak -NO3
4. Wrong Peak
5. Baseline Smoothing -SO4
6. Split Peak
7. Other

Integration Report - ECD_1

Sample Name:	**CCV**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 06:40**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.03	F	BM *	0.501	1.823	1059.0900
2	4.00	Cl	M *	0.843	2.854	2346.7326
3	4.56	NO2	Rd	0.068	0.290	159.5094
4	5.50	Bromide	M *	0.301	0.910	2154.8578
5	6.18	NO3	M *^	0.364	0.906	423.1843
6	7.85	OPO4	M *	0.785	1.651	8354.4875
7	9.59	SO4	MB*	2.009	3.816	8185.5171
		TOTAL:		4.87	12.25	22683.38

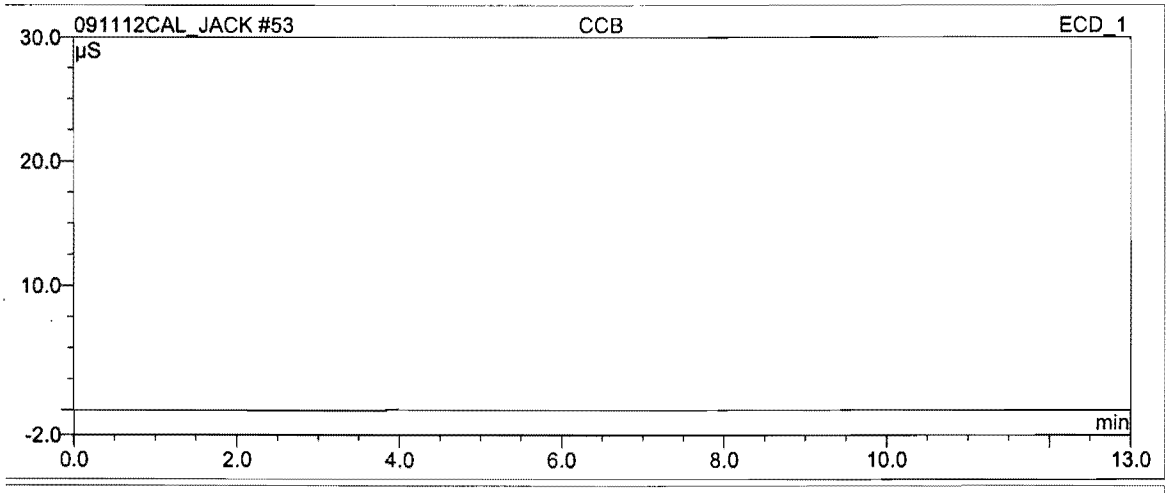


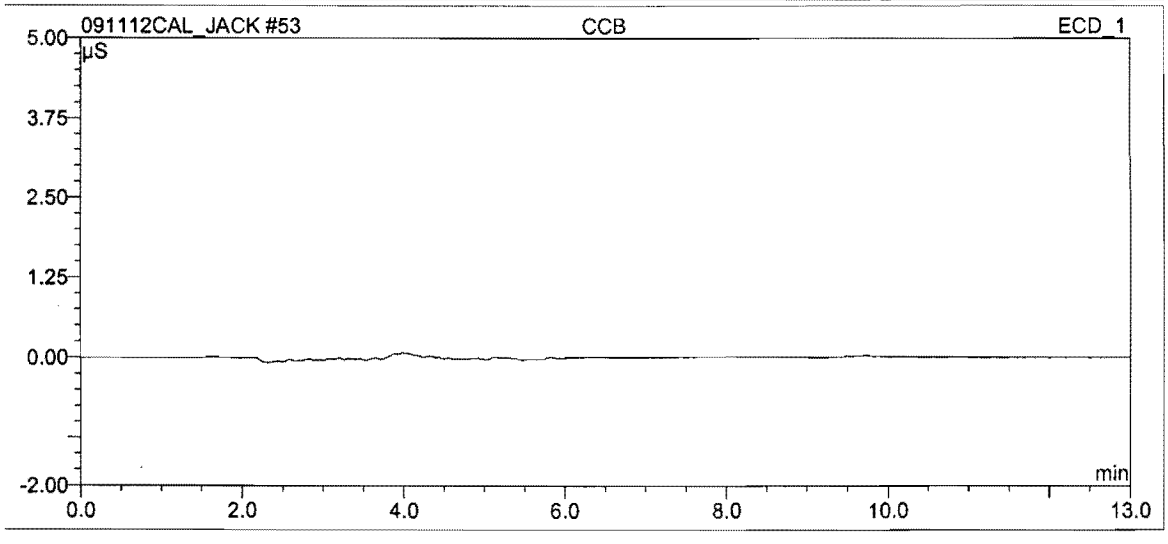


Integration Report - ECD_1

Sample Name:	**CCB**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 06:56**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
			TOTAL:	0.00	0.00	0.00





Integration Report - ECD_1

Sample Name:	**END**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SHUTDOWN**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 07:11**	*Run Time:*	**n.a.**

n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
		TOTAL:		0.00	0.00	0.00

091112CAL_JACK #54 END ECD_1

Can't open raw data file "C:\Chromel\data\JACK\SEQUENCES\12SEPT\091112CAL_JACK.SEQ\ECD_1.CHL\27378.acd".
The system cannot find the file specified.

091112CAL_JACK #54 END ECD_1

Can't open raw data file "C:\Chromel\data\JACK\SEQUENCES\12SEPT\091112CAL_JACK.SEQ\ECD_1.CHL\27378.acd".
The system cannot find the file specified.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica St. Louis
Data Review Checklist
Ion Chromatography
Method 300.0/9056A

Lot(s): 564-1, 563-1	NCMs: 1) 2018 - rerun out of Hold 2) 2019 - Dilutions
Batch #(s): 11075	Run Date: 9/12/12
Due Date: 9/18/12	Instrument ID: ICIcs2500

	Yes	No	N/A	2nd Level
A. Calibration/Instrument Run QC 1. Instrument calibrated (if applicable) using a blank and the required minimum number of calibration standards?	✓			✓
2. Is the initial calibration curve correlation coefficient ≥ 0.995?	✓			✓
3. ICV/CCV analyzed at the appropriate frequency and within control limits?	✓			✓
4. ICB/CCB analyzed at appropriate frequency and within +/- RL?	✓			✓
5. Calibration curve is updated in the method with the correct retention times?	✓			✓
B. Sample Results 1. Samples with concentration > the linear range or affected by interferences diluted and reanalyzed? -Ncm2	✓			✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time? -Ncm1	✓ JB 9/18/12	✓		✓
4. All dilutions were checked and verified against the "straight" runs?	✓			✓
C. Preparation/Matrix QC 1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and <RL or CRDL (CLP)?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MS or Dup run at required frequency and RPD within SOP limits?	✓			✓
D. Other 1. Are all nonconformances documented appropriately?	✓			✓
2. Current MDL data on file?	✓			✓
3. Calculations checked for error?			✓	✓
4. Were manual integrations checked for appropriateness, correctness and proper documentation (before/after chromatograms, reason, analyst, date?	✓			✓
5. Transcriptions checked for error?	✓			✓
6. All client/project specific requirements met?	✓			✓
7. Date/time of analysis verified as correct?	✓			✓

Analyst: JB Date: 9/18/12
Comments:

2nd Level: fC Date: 9/18/12

WETCHEM ION CHROMATOGRAPHY
QA\Forms\Review\WetChemIon
Revision 2 7/31/12

NCM ID: 160-2018
NCM Type: Other - Observation
Lab Section: Wet Chemisty Analysis

Date Opened: 09/18/2012
Date Closed:
Date Verified:

Narrative

The following samples were re-analyzed outside the method defined holding time because the newly requested anion analysis was made after the holding time expired for Cl, NO3, and SO4:

Affected Items

Description	Project Manager
160-564-A-4 ^100	Fussner, Lynn M
160-564-A-5 ^100	Fussner, Lynn M
160-564-A-2 ^200	Fussner, Lynn M
160-563-A-4	Fussner, Lynn M
160-563-A-3	Fussner, Lynn M
160-564-A-8 ^100	Fussner, Lynn M
160-564-A-6 ^100	Fussner, Lynn M
160-564-A-9 ^200	Fussner, Lynn M
160-563-A-6	Fussner, Lynn M
160-564-A-3 ^50	Fussner, Lynn M
160-564-A-7 ^20	Fussner, Lynn M
160-563-A-5	Fussner, Lynn M
160-563-A-7	Fussner, Lynn M
160-563-A-2	Fussner, Lynn M
160-563-A-1	Fussner, Lynn M
160-563-A-8	Fussner, Lynn M

Notifications

User Full Name	Date Received	Date	Notice Level	Verification Type
Cruz, Fernando	09/18/2012		Level 1	Review

NCM ID: 160-2019 **Date Opened:** 09/18/2012
NCM Type: Reporting Limit - Dilution, Target **Date Closed:**
Lab Section: Wet Chemisty Analysis **Date Verified:**

Narrative

The following samples were diluted to bring the concentrations of Chloride and Sulfate within the calibration range in batch 11075: <&commaMerge&>. Elevated reporting limits (RLs) are provided.

Affected Items

Description	Project Manager
160-563-A-4 MSD ^10	Fussner, Lynn M
160-564-A-4 ^100	Fussner, Lynn M
160-563-A-5 ^10	Fussner, Lynn M
160-563-A-4 MS ^50	Fussner, Lynn M
160-563-A-4 MSD ^50	Fussner, Lynn M
160-563-A-4 ^50	Fussner, Lynn M
160-564-A-5 ^100	Fussner, Lynn M
160-564-A-2 ^200	Fussner, Lynn M
160-563-A-2 ^100	Fussner, Lynn M
160-563-A-4 ^10	Fussner, Lynn M
160-564-A-8 ^100	Fussner, Lynn M
160-563-A-4 MSD ^50	Fussner, Lynn M
160-563-A-1 ^100	Fussner, Lynn M
160-564-A-6 ^100	Fussner, Lynn M
160-563-A-7 ^20	Fussner, Lynn M
160-563-A-8 ^10	Fussner, Lynn M
160-564-A-9 ^200	Fussner, Lynn M
160-563-A-6 ^10	Fussner, Lynn M
160-564-A-3 ^50	Fussner, Lynn M
160-564-A-7 ^20	Fussner, Lynn M
160-563-A-3 MS ^10	Fussner, Lynn M
160-563-A-8 ^50	Fussner, Lynn M
160-563-A-1 ^10	Fussner, Lynn M
160-563-A-4 MS ^10	Fussner, Lynn M
160-563-A-2 ^10	Fussner, Lynn M
160-563-A-4 MS ^50	Fussner, Lynn M
160-563-A-7 ^200	Fussner, Lynn M
160-563-A-3 ^10	Fussner, Lynn M
160-563-A-4 ^50	Fussner, Lynn M

Notifications

User Full Name	Date Received	Date	Notice Level	Verification Type
Cruz, Fernando	09/18/2012		Level 1	Review

Due: 9/18

TestAmerica St. Louis

Anion Worksheet

Analyst: JB
Date: 9/12/12
All result as ppb

Method: 300.0
Instrument: ICIC S2500

SOP: ST-WC-0028, Rev. 17

Batch#: 11075

Lot Number	Sample ID	Fluoride	Chloride	Nitrite	Bromide	Nitrate	Phosphate	Sulfate	Chlorate	Iodide
564-1	564-2		200x							
	564-3		50x							
	564-4		100x							
	564-5		100x							
	564-6		100x							
	564-7		20x							
	564-8		100x							
	564-9		200x							
563-1	563-1		100x			1x		10x		
	563-2		100x			1x		10x		
	563-3 •		1x			1x		10x		
	563-4 •		50x			1x		10x		
	563-5		10x			1x		10x		
	563-6		10x			1x		1x		
	563-7		200x			1x		20x		
	563-8		50x			1x		10x		

Form: SL-INORG-0080, Revised 4/15/2011

9/12/12 ICIC52500 run is pulling from its 9/12/12 Calibration. JB 9/14/12

Sequence: 091212CAL_JACK
Operator: boydj
Printed: 9/14/2012 5:18:42 PM

Title:
Datasource: SLIC03_local
Location: JACK\SEQUENCES\12SEPT
Timebase: JACK
#Samples: 56

Created: 9/12/2012 9:49:25 AM by boydj
Last Update: 9/12/2012 11:21:48 AM by boydj

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time
1	CAL 1	Standard	1	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 10:20:02 AM
2	CAL 2	Standard	2	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 10:35:27 AM
3	CAL 3	Standard	3	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 10:50:51 AM
4	CAL 4	Standard	4	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 11:06:17 AM
5	CAL 5	Standard	5	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 11:21:41 AM
6	CAL 6	Standard	6	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 11:37:06 AM
7	ICV	Unknown	7	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 11:52:31 AM
8	ICB	Unknown	8	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 12:07:56 PM
9	MB	Unknown	9	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 12:23:21 PM
10	LCS	Unknown	10	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 12:38:46 PM
11	564-A-2 @200	Unknown	11	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 12:54:11 PM
12	564-A-3 @50	Unknown	12	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 1:09:36 PM
13	564-A-4 @100	Unknown	13	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 1:25:00 PM
14	564-A-5 @100	Unknown	14	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 1:40:25 PM
15	564-A-6 @100	Unknown	15	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 1:55:51 PM
16	564-A-7 @20	Unknown	16	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 2:11:16 PM
17	564-A-8 @100	Unknown	17	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 2:26:41 PM
18	564-A-9 @200	Unknown	18	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 2:42:06 PM
19	CCV	Unknown	19	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 2:57:31 PM
20	CCB	Unknown	20	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 3:12:56 PM
21	563-A-1	Unknown	21	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 3:28:22 PM
22	563-A-1 @10	Unknown	22	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 3:43:47 PM
23	563-A-1 @100	Unknown	23	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 3:59:11 PM
24	563-A-2	Unknown	24	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 4:14:36 PM
25	563-A-2 @10	Unknown	25	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 4:30:01 PM
26	563-A-2 @100	Unknown	26	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 4:45:26 PM
27	563-A-3	Unknown	27	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 5:00:51 PM
28	563-A-3 @10	Unknown	28	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 5:16:16 PM
29	563-A-3 MS	Unknown	29	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 5:31:41 PM
30	563-A-3 MS @10	Unknown	30	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 5:47:06 PM
31	CCV	Unknown	31	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 6:02:31 PM
32	CCB	Unknown	32	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 6:17:57 PM
33	563-A-4	Unknown	33	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 6:33:22 PM
34	563-A-4 @10	Unknown	34	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 6:48:47 PM
35	563-A-4 @50	Unknown	35	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 7:04:12 PM
36	563-A-4 MS	Unknown	36	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 7:19:37 PM
37	563-A-4 MS @10	Unknown	37	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 7:35:02 PM
38	563-A-4 MS @50	Unknown	38	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 7:50:27 PM
39	563-A-4 MSD	Unknown	39	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 8:05:52 PM
40	563-A-4 MSD @10	Unknown	40	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 8:21:17 PM
41	563-A-4 MSD @50	Unknown	41	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 8:36:42 PM
42	CCV	Unknown	42	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 8:52:07 PM

Title:
Datasource: SLIC03_local
Location: JACK\SEQUENCES\12SEPT
Timebase: JACK
#Samples: 56
Created: 9/12/2012 9:49:25 AM by boydj
Last Update: 9/12/2012 11:21:48 AM by boydj

No.	Name	Weight	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
1	CAL 1	1.0000	1.0000	1.0000	100	091212	
2	CAL 2	1.0000	1.0000	1.0000	101	091212	
3	CAL 3	1.0000	1.0000	1.0000	102	091212	
4	CAL 4	1.0000	1.0000	1.0000	103	091212	
5	CAL 5	1.0000	1.0000	1.0000	104	091212	
6	CAL 6	1.0000	1.0000	1.0000	105	091212	
7	ICV	1.0000	1.0000	1.0000	106	091212	
8	ICB	1.0000	1.0000	1.0000	107	091212	
9	MB	1.0000	1.0000	1.0000	108	091212	
10	LCS	1.0000	1.0000	1.0000	109	091212	
11	564-A-2 @200	1.0000	1.0000	1.0000	110	091212	
12	564-A-3 @50	1.0000	1.0000	1.0000	111	091212	
13	564-A-4 @100	1.0000	1.0000	1.0000	112	091212	
14	564-A-5 @100	1.0000	1.0000	1.0000	113	091212	
15	564-A-6 @100	1.0000	1.0000	1.0000	114	091212	
16	564-A-7 @20	1.0000	1.0000	1.0000	115	091212	
17	564-A-8 @100	1.0000	1.0000	1.0000	116	091212	
18	564-A-9 @200	1.0000	1.0000	1.0000	117	091212	
19	CCV	1.0000	1.0000	1.0000	118	091212	
20	CCB	1.0000	1.0000	1.0000	119	091212	
21	563-A-1	1.0000	1.0000	1.0000	120	091212	
22	563-A-1 @10	1.0000	1.0000	1.0000	121	091212	
23	563-A-1 @100	1.0000	1.0000	1.0000	122	091212	
24	563-A-2	1.0000	1.0000	1.0000	123	091212	
25	563-A-2 @10	1.0000	1.0000	1.0000	124	091212	
26	563-A-2 @100	1.0000	1.0000	1.0000	125	091212	
27	563-A-3	1.0000	1.0000	1.0000	126	091212	
28	563-A-3 @10	1.0000	1.0000	1.0000	127	091212	
29	563-A-3 MS	1.0000	1.0000	1.0000	128	091212	
30	563-A-3 MS @10	1.0000	1.0000	1.0000	129	091212	
31	CCV	1.0000	1.0000	1.0000	130	091212	
32	CCB	1.0000	1.0000	1.0000	131	091212	
33	563-A-4	1.0000	1.0000	1.0000	132	091212	
34	563-A-4 @10	1.0000	1.0000	1.0000	133	091212	
35	563-A-4 @50	1.0000	1.0000	1.0000	134	091212	
36	563-A-4 MS	1.0000	1.0000	1.0000	135	091212	
37	563-A-4 MS @10	1.0000	1.0000	1.0000	136	091212	
38	563-A-4 MS @50	1.0000	1.0000	1.0000	137	091212	
39	563-A-4 MSD	1.0000	1.0000	1.0000	138	091212	
40	563-A-4 MSD @10	1.0000	1.0000	1.0000	139	091212	
41	563-A-4 MSD @50	1.0000	1.0000	1.0000	140	091212	
42	CCV	1.0000	1.0000	1.0000	141	091212	

Title:
Datasource: SLIC03_local
Location: JACK\SEQUENCES\12SEPT
Timebase: JACK
#Samples: 56
Created: 9/12/2012 9:49:25 AM by boydj
Last Update: 9/12/2012 11:21:48 AM by boydj

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time
43	CCB	Unknown	43	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 9:07:32 PM
44	563-A-5	Unknown	44	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 9:22:57 PM
45	563-A-5 @10	Unknown	45	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 9:38:22 PM
46	563-A-6	Unknown	46	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 9:53:48 PM
47	563-A-6 @10	Unknown	47	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 10:09:13 PM
48	563-A-7	Unknown	48	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 10:24:38 PM
49	563-A-7 @20	Unknown	49	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 10:40:03 PM
50	563-A-7 @200	Unknown	50	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 10:55:28 PM
51	563-A-8	Unknown	51	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 11:10:53 PM
52	563-A-8 @10	Unknown	52	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 11:26:19 PM
53	563-A-8 @50	Unknown	53	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 11:41:44 PM
54	CCV	Unknown	54	50.0	SLIC03_local	STLANIONS	Finished	9/12/2012 11:57:09 PM
55	CCB	Unknown	55	50.0	SLIC03_local	STLANIONS	Finished	9/13/2012 12:12:34 AM
56	END	Unknown	56	50.0	SHUTDOWN	STLANIONS	Finished	9/13/2012 12:27:58 AM

Title:
Datasource: SLIC03_local
Location: JACK\SEQUENCES\12SEPT
Timebase: JACK
#Samples: 56
Created: 9/12/2012 9:49:25 AM by boydj
Last Update: 9/12/2012 11:21:48 AM by boydj

No.	Name	Weight	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
43	CCB	1.0000	1.0000	1.0000	142	091212	
44	563-A-5	1.0000	1.0000	1.0000	143	091212	
45	563-A-5 @10	1.0000	1.0000	1.0000	144	091212	
46	563-A-6	1.0000	1.0000	1.0000	145	091212	
47	563-A-6 @10	1.0000	1.0000	1.0000	146	091212	
48	563-A-7	1.0000	1.0000	1.0000	147	091212	
49	563-A-7 @20	1.0000	1.0000	1.0000	148	091212	
50	563-A-7 @200	1.0000	1.0000	1.0000	149	091212	
51	563-A-8	1.0000	1.0000	1.0000	150	091212	
52	563-A-8 @10	1.0000	1.0000	1.0000	151	091212	
53	563-A-8 @50	1.0000	1.0000	1.0000	152	091212	
54	CCV	1.0000	1.0000	1.0000	153	091212	
55	CCB	1.0000	1.0000	1.0000	154	091212	
56	END	1.0000	1.0000	1.0000	154	091212	

Title: STLANIONS
Datasource: SLIC03_local
Location: JACK\SEQUENCES\12SEPT\091212CAL_JACK.SEQ
Created: 12/5/2005 3:58:23 PM by chemist
Timebase: SLIC03_1
Changed: 9/17/2008 10:49:20 AM by chemist

```
          Pressure.LowerLimit =                0
          Pressure.UpperLimit =                5000
          %A.Equate =                          "%A"
          %B.Equate =                          "%B"
          %C.Equate =                          "%C"
          %D.Equate =                          "%D"
          LoadPosition
          Data_Collection_Rate =               2.0
          Temperature_Compensation =           1.7
          Oven_Temperature =                   30
          Suppressor_Type =                    ASRS_4mm
          ; Carbonate =                       0.0
          ; Bicarbonate =                     0.0
          ; Hydroxide =                       0.0
          ; Tetraborate =                     0.0
          ; Other eluent =                    0.0
          ; Recommended Current =             0.0
          Suppressor_Current =                 0
          Flow =                               1.20
          %B =                                 0.0
          %C =                                 0.0
          %D =                                 0.0
          Curve =                              5
          Off

0.000     ECD.Autozero


          End
```

Title: STLANIONS
Datasource: SLIC03_local
Location: JACK\SEQUENCES\12SEPT\091212CAL_JACK.SEQ
Timebase: SLIC03_1

Created: 12/5/2005 3:58:23 PM by chemist
Changed: 9/17/2008 10:49:20 AM by chemist

No.	Channel	Operation	Parameters

Title: STLANIONS
Datasource: SLIC03_local
Location: JACK\SEQUENCES\12SEPT\091212CAL_JACK.SEQ
Created: 12/5/2005 2:54:29 PM by chemist
Timebase: JACK
Changed: 8/29/2012 1:37:47 PM by boydj

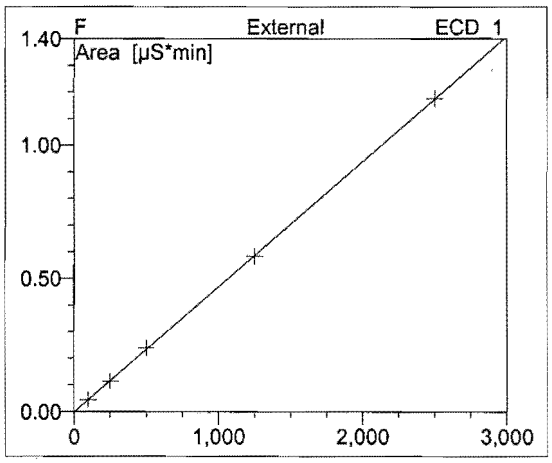
```
          Pressure.LowerLimit =                0
          Pressure.UpperLimit =                5000
          %A.Equate =                          "%A"
          %B.Equate =                          "%B"
          %C.Equate =                          "%C"
          %D.Equate =                          "%D"
          LoadPosition
          Data_Collection_Rate =               2.0
          Temperature_Compensation =           1.7
          Oven_Temperature =                   35
          Suppressor_Type =                    ASRS_4mm
          ; Carbonate =                       3.5
          ; Bicarbonate =                     1.0
          ; Hydroxide =                       0.0
          ; Tetraborate =                     0.0
          ; Other eluent =                    0.0
          ; Recommended Current =             24
          Suppressor_Current =                 30
          Flow =                               1.0
          %B =                                 0.0
          %C =                                 0.0
          %D =                                 0.0
          Curve =                              5

-2.300    Pump_Relay_1.Closed                  Duration=138.00

 0.000    ECD.Autozero
          ECD_1.AcqOn
          Pump_InjectValve.InjectPosition      Duration=30.00

13.0      ECD_1.AcqOff

          End
```

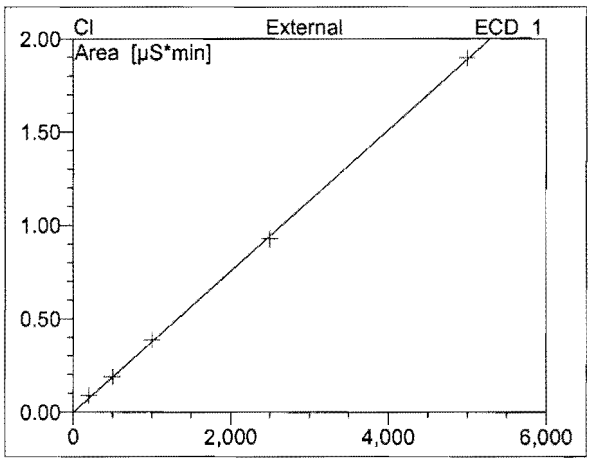
Title: STLANIONS
Datasource: SLIC03_local
Location: JACK\SEQUENCES\12SEPT\091212CAL_JACK.SEQ
Timebase: JACK
Created: 12/5/2005 2:54:29 PM by chemist
Changed: 8/29/2012 1:37:47 PM by boydj

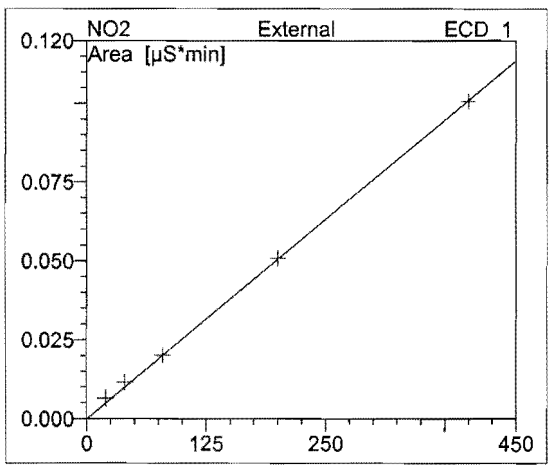
No.	Channel	Operation	Parameters

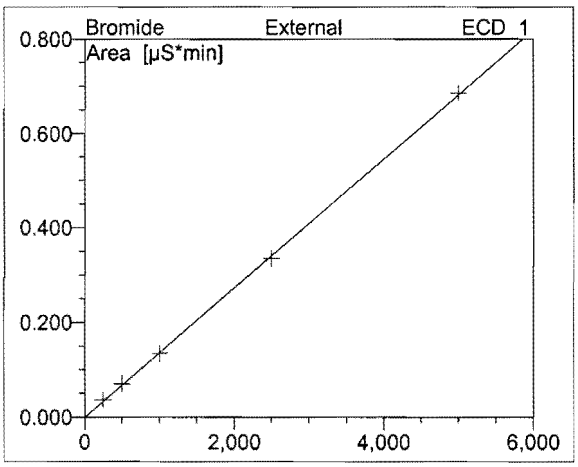
Calibration Batch Report - ECD_1

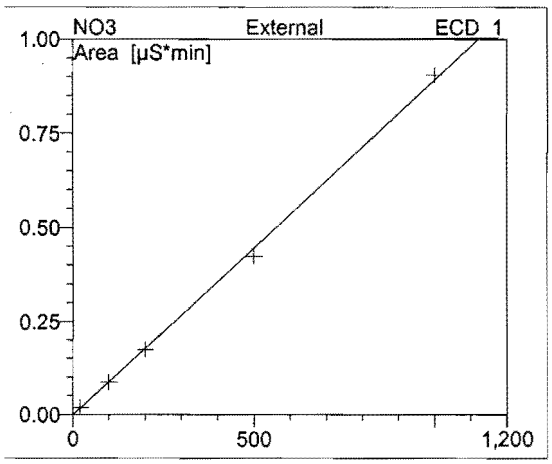
Sequence:	091212CAL_JACK	Inj. Vol.:	50.0
Program:	SLIC03_local	Operator:	SLIC03
Inj. Date/Time	09/12/12 11:37	Run Time:	13.00

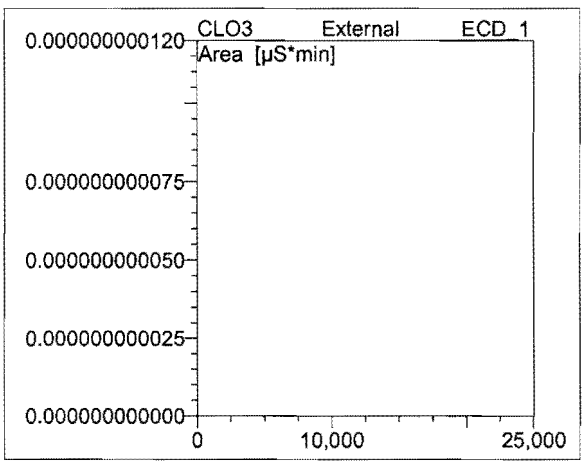


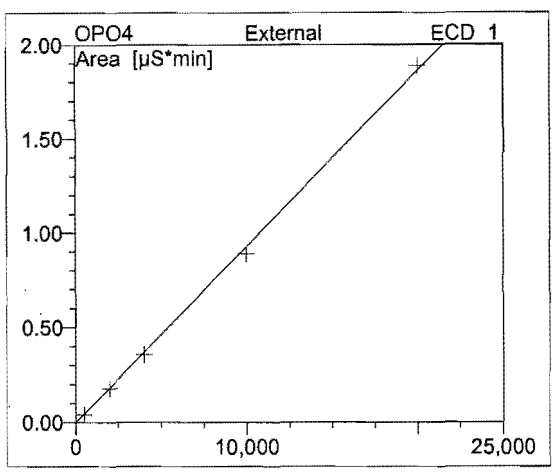


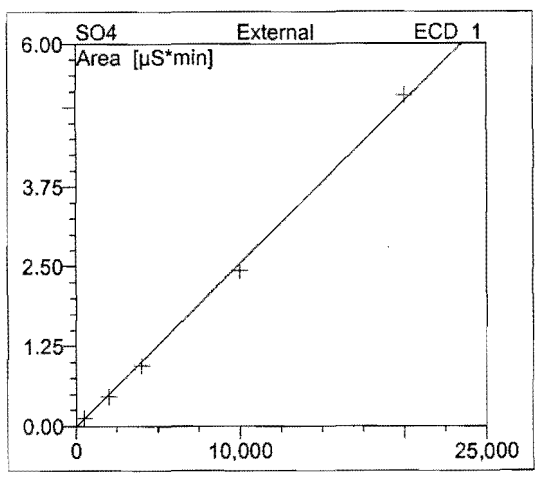












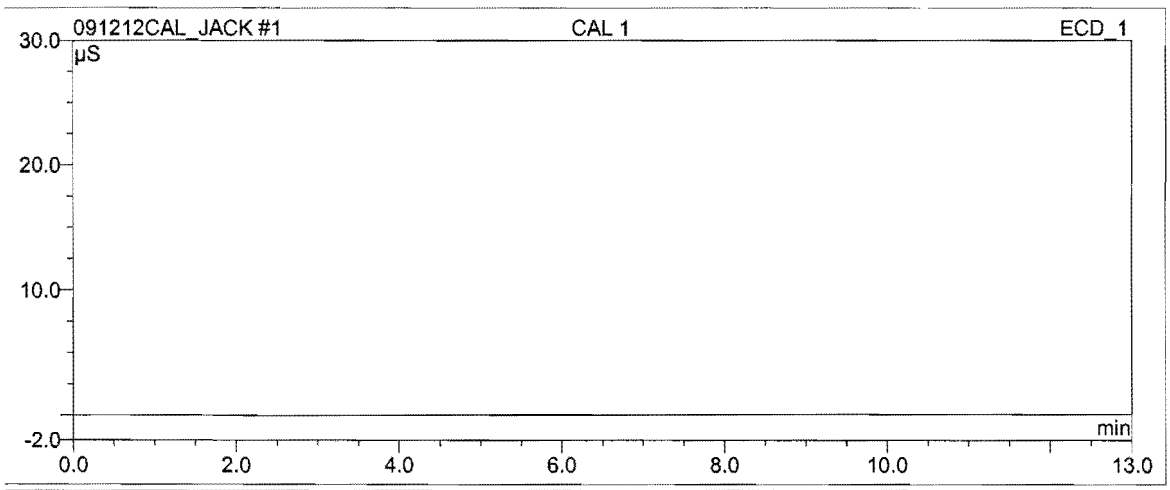
No.	Peak Name	Cal.Type	Corr.Coeff. %
1	F	Lin	99.998
2	Cl	Lin	99.989✓
3	NO2	Lin	99.989
4	Bromide	Lin	99.990
5	NO3	Lin	99.940✓
6	OPO4	Lin	99.960
7	SO4	Lin	99.948✓

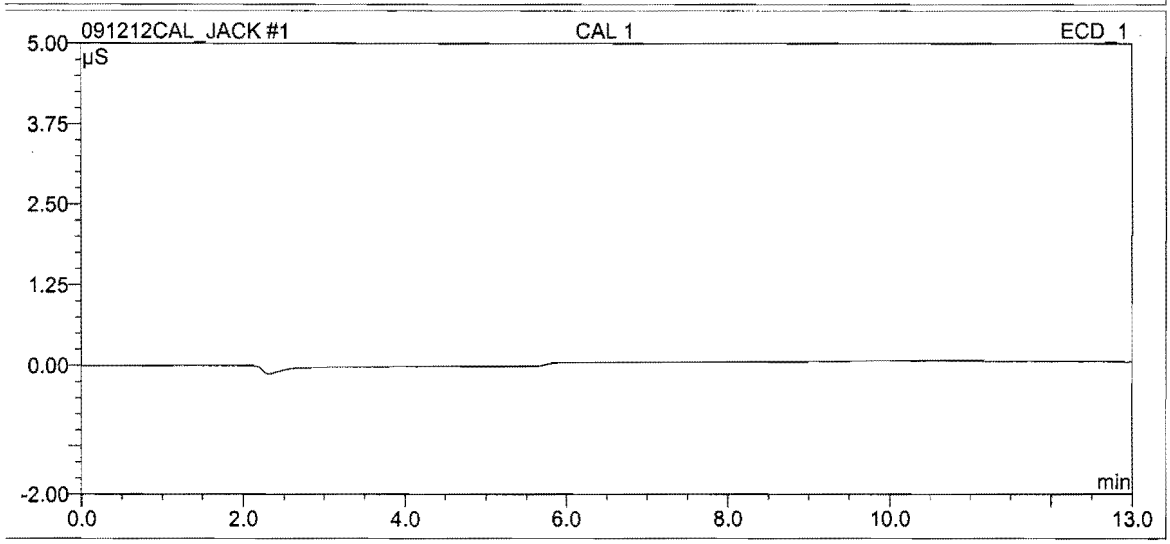
JB
9/14/12

Integration Report - ECD_1

Sample Name:	**CAL 1**	*Inj. Vol.:*	**50.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 10:20**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
		TOTAL:		0.00	0.00	0.00



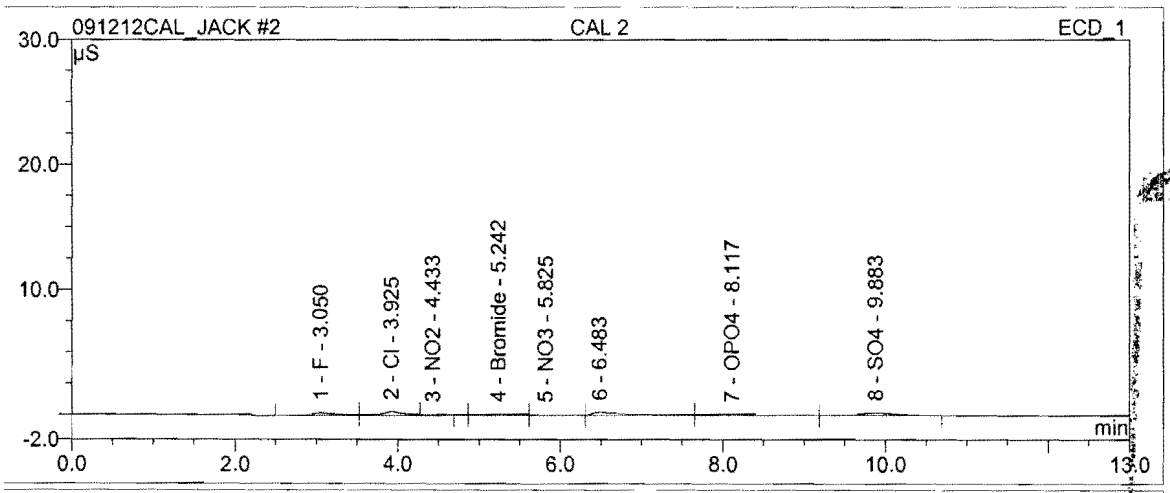


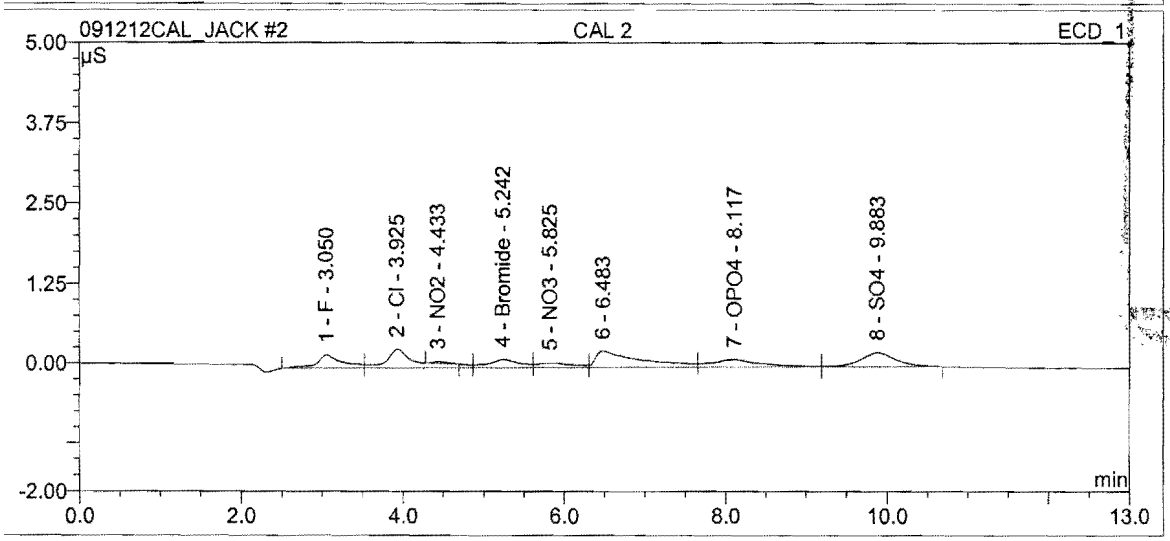
Integration Report - ECD_1

Sample Name:	**CAL 2**	*Inj. Vol.:*	**50.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 10:35**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.081	0.210	172.4870
2	3.93	Cl	M	0.138	0.299	364.3777
3	4.43	NO2	Rd	0.006	0.030	30.0445
4	5.24	Bromide	M	0.060	0.133	448.0980
5	5.83	NO3	M	0.039	0.080	46.1598
7	8.12	OPO4	M	0.085	0.118	953.7135
8	9.88	SO4	MB	0.114	0.220	481.5720
			TOTAL:	0.52	1.09	2496.45

MI
JB
SEP 14 2012



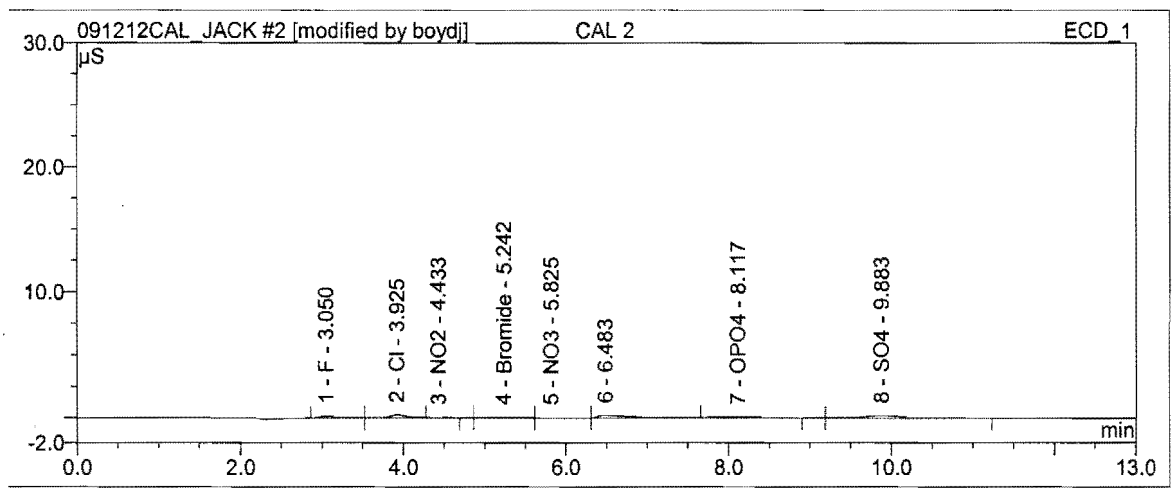


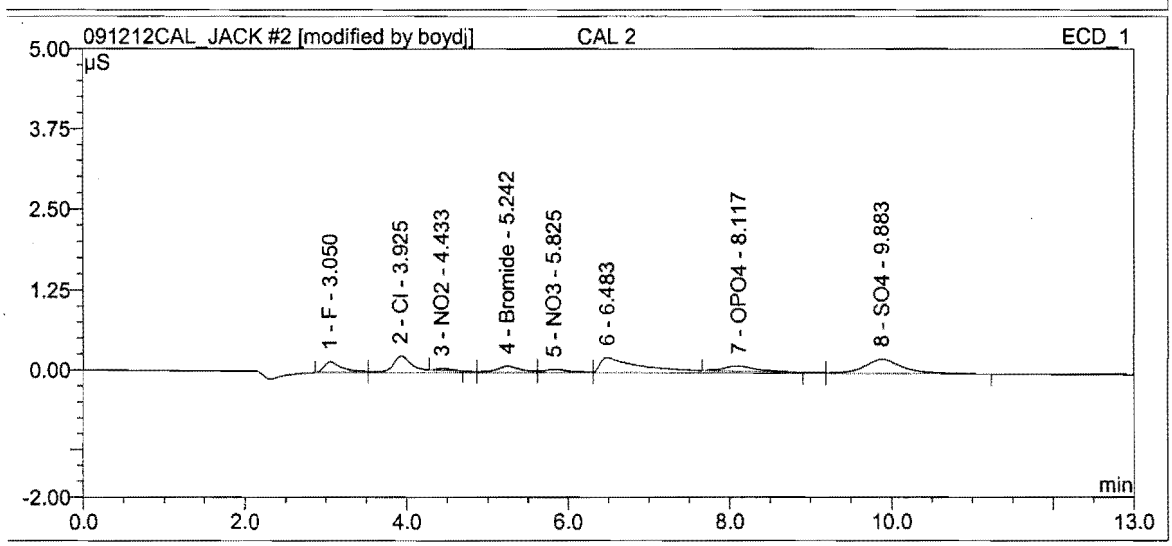
1. Peak Not Found
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing -Allanions but No2
6. Split Peak
7. Other

Integration Report - ECD_1

Sample Name:	**CAL 2**	*Inj. Vol.:*	**50.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 10:35**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM *	0.044	0.167	93.9784
2	3.93	Cl	M *	0.088	0.260	232.6025
3	4.43	NO2	Rd	0.006	0.030	25.4905
4	5.24	Bromide	M *	0.036	0.101	262.8422
5	5.83	NO3	M *	0.019	0.050	21.4046
7	8.12	OPO4	Rd*	0.039	0.080	420.9391
8	9.88	SO4	MB*	0.125	0.224	490.1358
		TOTAL:		0.36	0.91	1547.39





Integration Report - ECD_1

Sample Name:	**CAL 3**	*Inj. Vol.:*	**50.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 10:50**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.06	F	BM	0.149	0.463	317.7337
2	3.94	Cl	M	0.210	0.606	553.8477
3	4.44	NO2	Rd	0.012	0.056	53.8976
4	5.26	Bromide	M	0.071	0.204	528.2135
5	5.85	NO3	MB	0.072	0.199	84.5741
6	8.09	OPO4	BM	0.169	0.343	1903.0961
7	9.90	SO4	MB	0.425	0.827	1797.4485
		TOTAL:		1.11	2.70	5238.81

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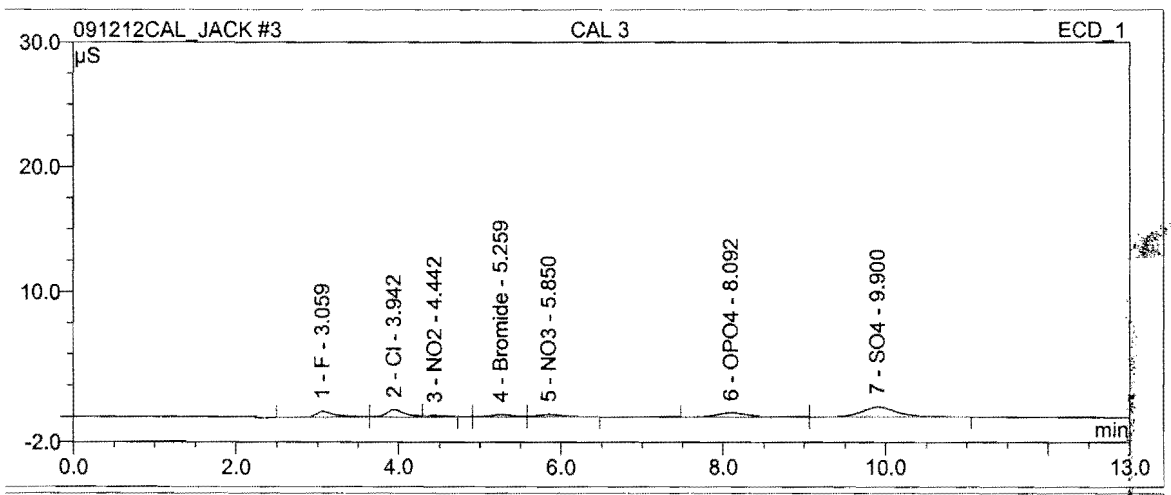
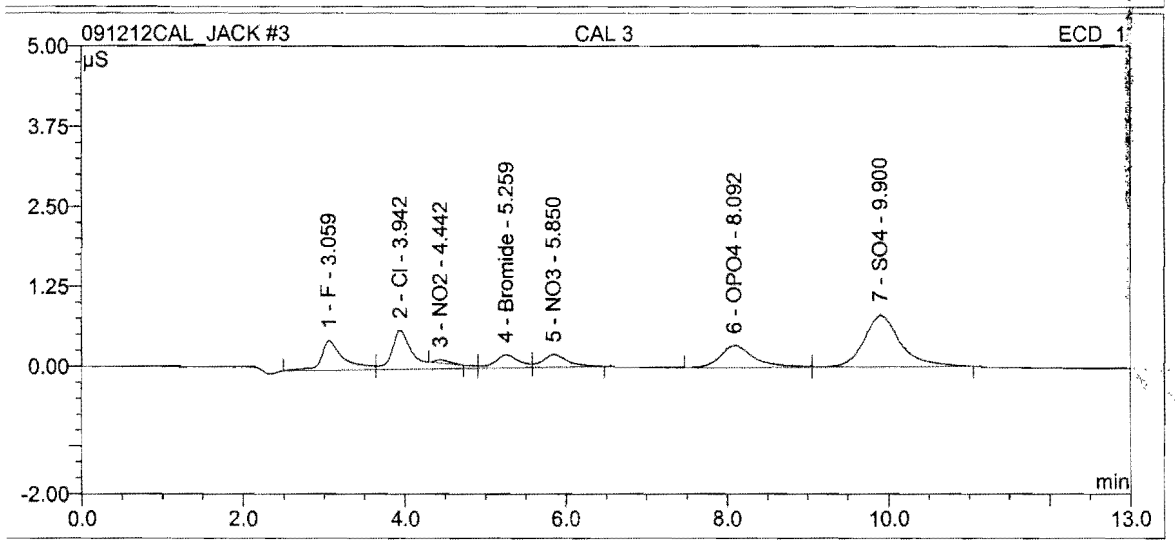
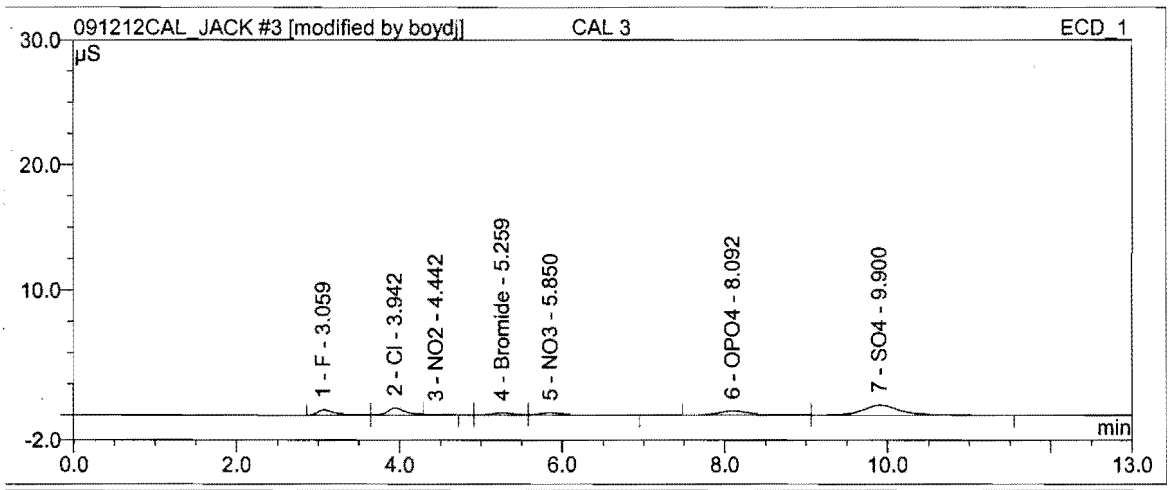


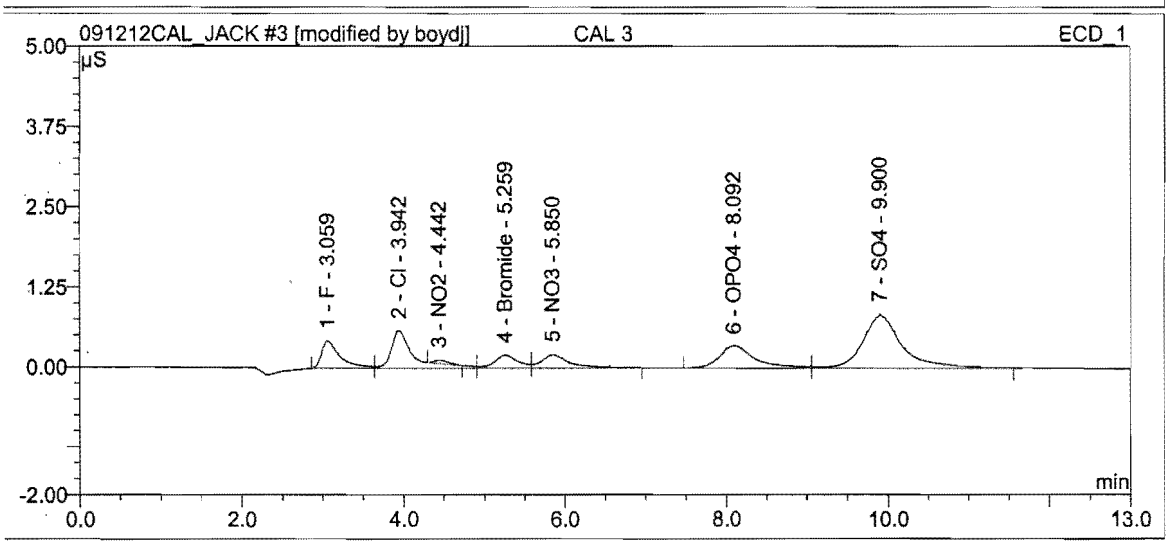


Integration Report - ECD_1

Sample Name:	**CAL 3**	*Inj. Vol.:*	**50.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 10:50**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.06	F	BM *	0.113	0.424	241.1614
2	3.94	Cl	M *	0.187	0.583	494.9980
3	4.44	NO2	Rd	0.012	0.056	45.7281
4	5.26	Bromide	M *	0.070	0.202	511.2071
5	5.85	NO3	MB*	0.086	0.207	96.8576
6	8.09	OPO4	BM *	0.178	0.347	1907.4698
7	9.90	SO4	MB*	0.465	0.844	1820.0172
		TOTAL:		1.11	2.66	5117.44





Integration Report - ECD_1

Sample Name:	**CAL 4**	*Inj. Vol.:*	**50.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 11:06**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.236	0.876	502.4235
2	3.93	Cl	M	0.375	1.159	986.4166
3	4.43	NO2	Rd	0.020	0.099	93.5641
4	5.25	Bromide	M	0.126	0.399	937.5810
5	5.84	NO3	MB	0.151	0.397	177.0061
6	8.08	OPO4	BM	0.342	0.703	3848.7996
7	9.88	SO4	MB	0.891	1.635	3767.6765
		TOTAL:		2.14	5.27	10313.47

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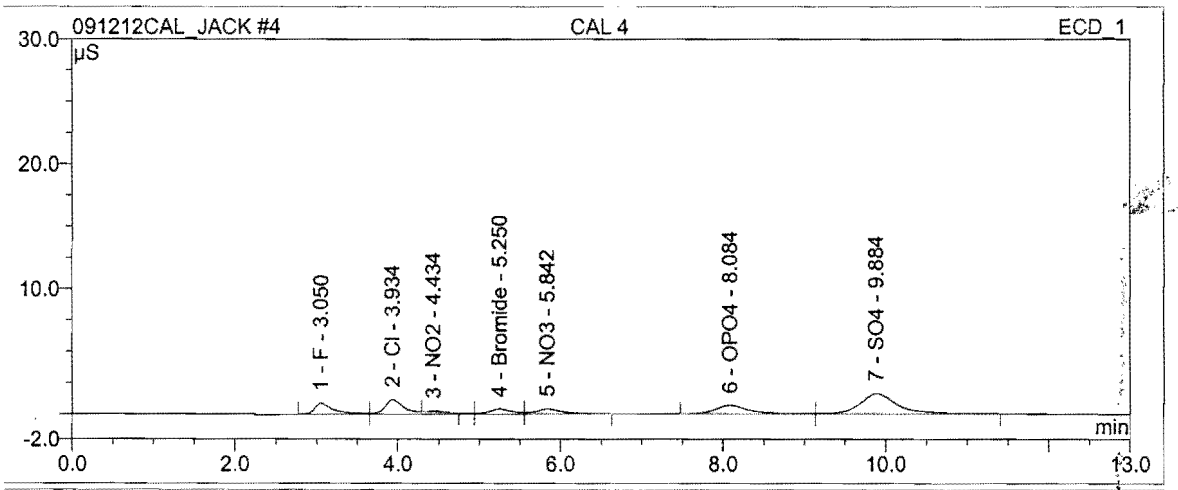
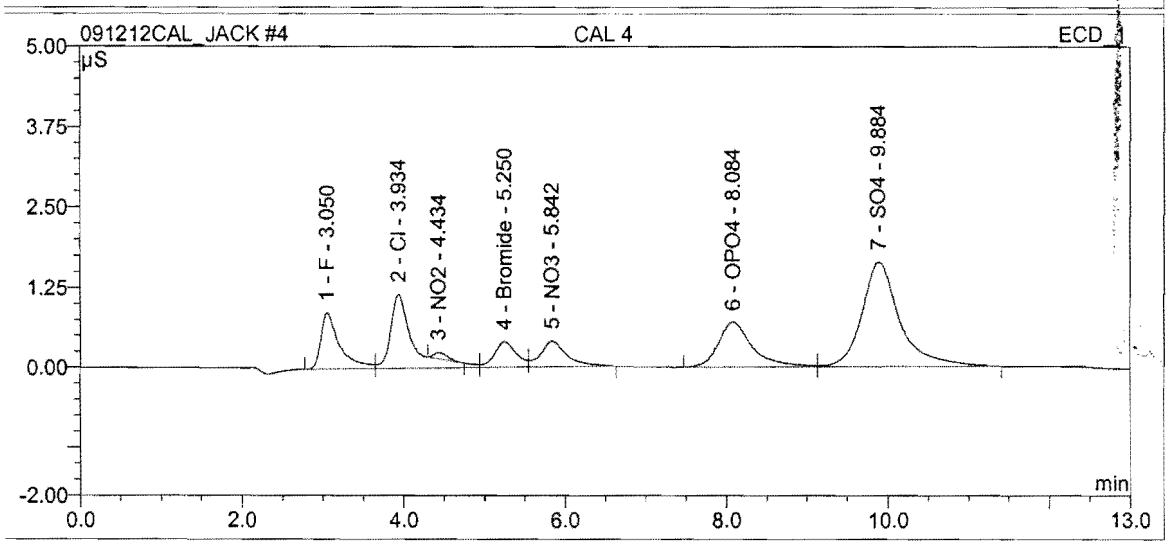


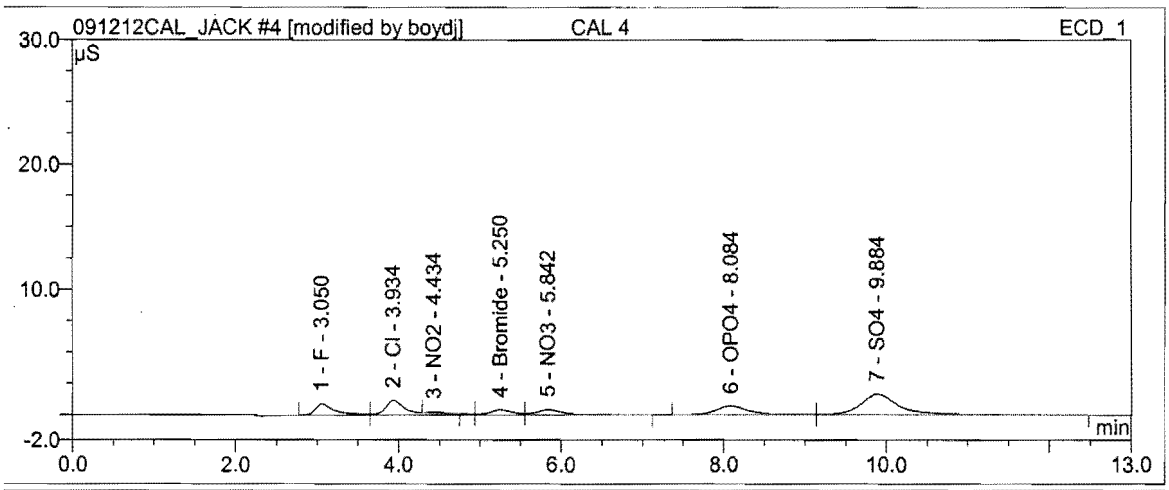


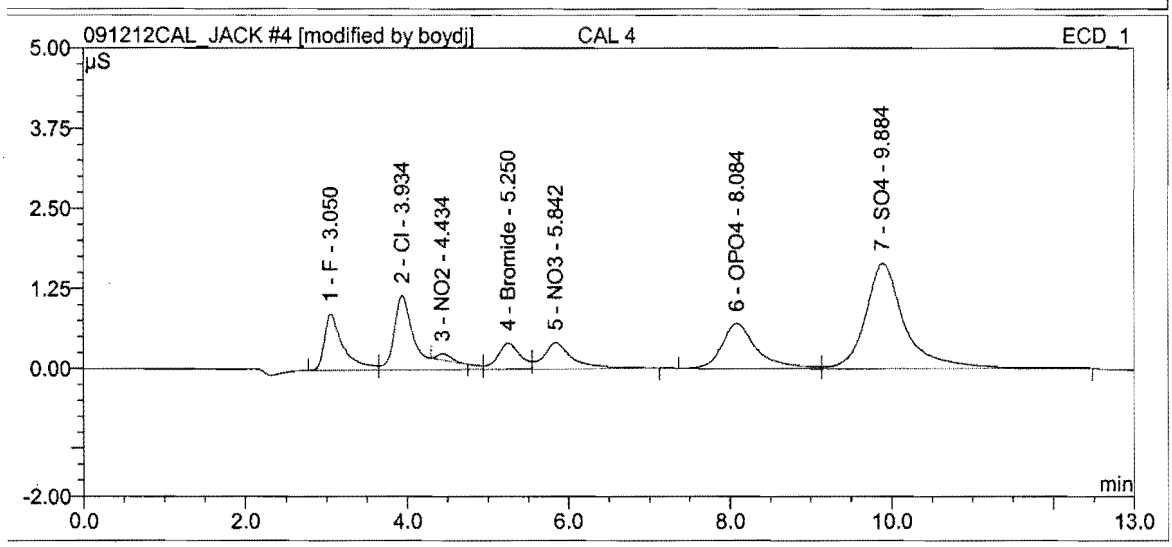
NO3, SO4

Integration Report - ECD_1

Sample Name:	**CAL 4**	*Inj. Vol.:*	**50.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 11:06**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM *	0.238	0.877	507.2176
2	3.93	Cl	M *	0.385	1.165	1016.4797
3	4.43	NO2	Rd	0.020	0.099	79.3821
4	5.25	Bromide	M *	0.134	0.412	981.7585
5	5.84	NO3	MB*	0.174	0.413	194.7321
6	8.08	OPO4	BM *	0.356	0.710	3825.1573
7	9.88	SO4	MB*	0.945	1.650	3700.3499
			TOTAL:	2.25	5.33	10305.08





Integration Report - ECD_1

Sample Name:	**CAL 5**	*Inj. Vol.:*	**50.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 11:21**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.04	F	BM	0.584	2.220	1240.9379
2	3.93	Cl	M	0.940	2.928	2473.8551
3	4.43	NO2	Rd	0.041	0.231	189.8619
4	5.23	Bromide	M	0.335	1.043	2486.5256
5	5.83	NO3	MB	0.423	1.055	495.0210
6	8.07	OPO4	BM	0.869	1.815	9773.8177
7	9.88	SO4	MB	2.290	4.221	9681.9507
		TOTAL:		5.48	13.51	26341.97

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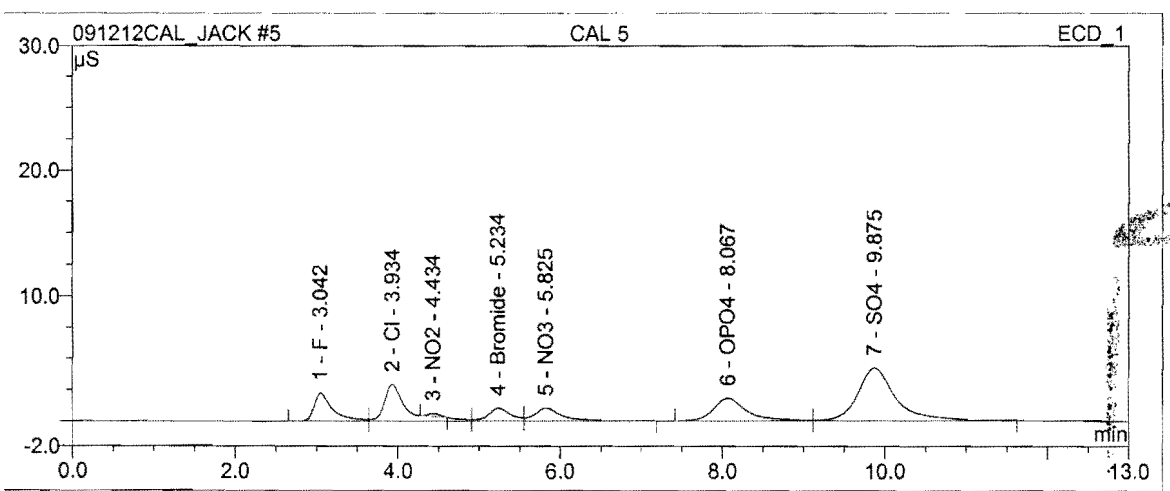
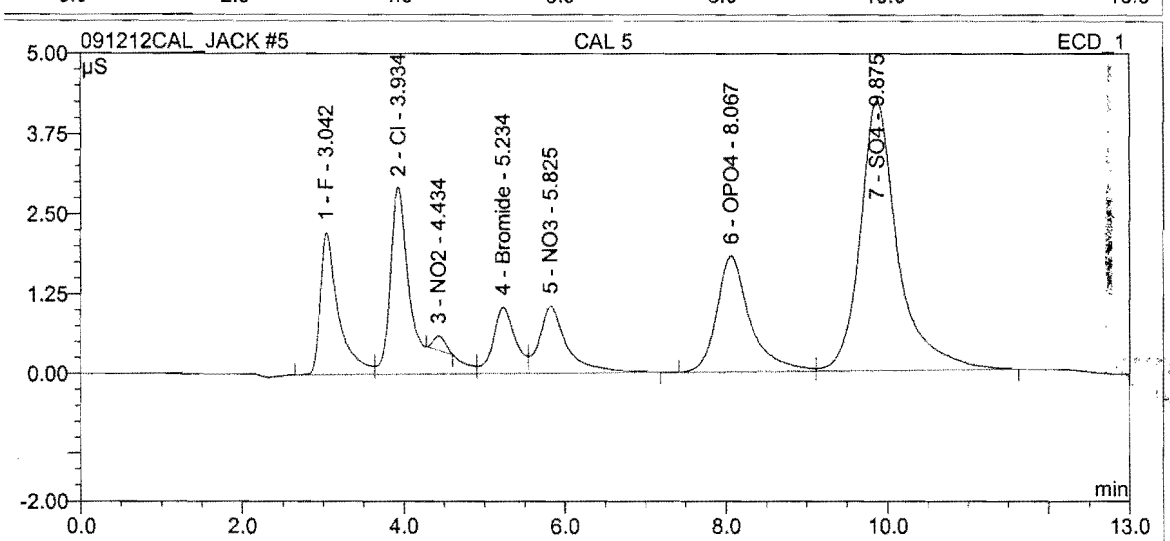




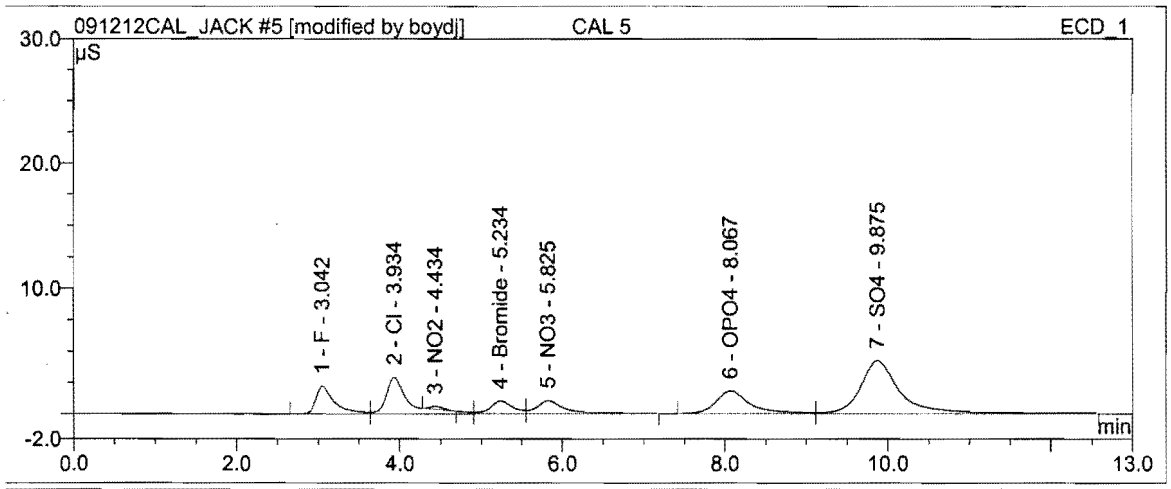
-NO2, SO4

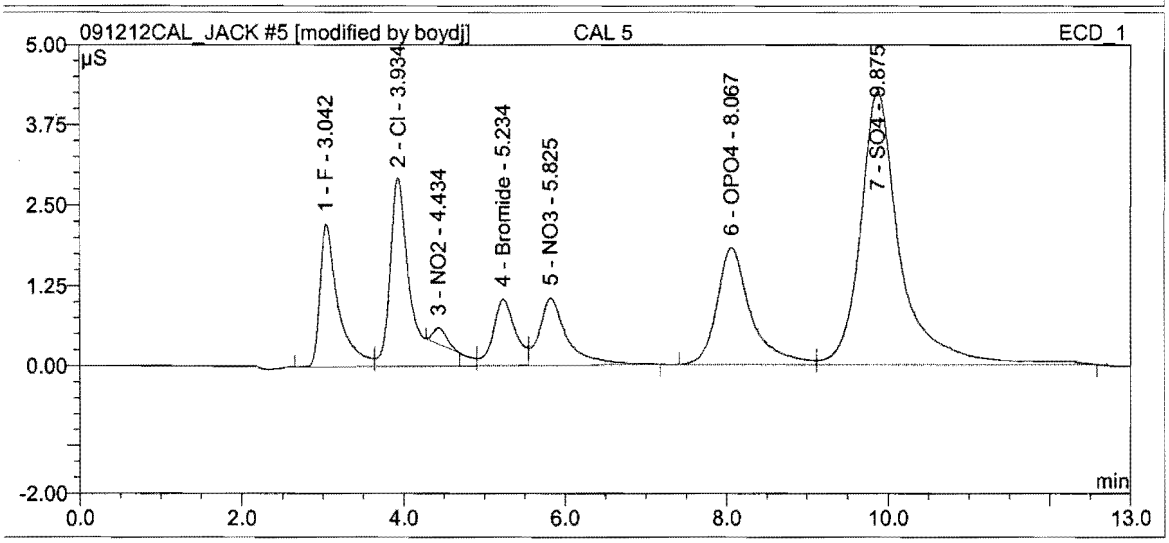
1. Peak Not Found
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing
6. Split Peak
7. Other

Integration Report - ECD_1

Sample Name:	**CAL 5**	*Inj. Vol.:*	**50.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 11:21**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.04	F	BM	0.584	2.220	1242.6027
2	3.93	Cl	M *	0.930	2.928	2456.8310
3	4.43	NO2	Rd*	0.051	0.255	200.8467
4	5.23	Bromide	M	0.335	1.043	2456.0172
5	5.83	NO3	MB	0.423	1.055	473.9890
6	8.07	OPO4	BM *	0.889	1.824	9546.3434
7	9.88	SO4	MB*	2.433	4.255	9527.7968
		TOTAL:		5.64	13.58	25904.43





Integration Report - ECD_1

Sample Name:	**CAL 6**	*Inj. Vol.:*	**50.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 11:37**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	1.173	4.566	2494.3735
2	3.94	Cl	M	1.900	6.061	5003.8293
3	4.44	NO2	Rd	0.086	0.480	400.4642
4	5.23	Bromide	M	0.675	2.140	5006.4948
5	5.83	NO3	MB	0.861	2.169	1008.1077
6	8.06	OPO4	BM	1.791	3.853	20141.6788
7	9.87	SO4	Mb	4.784	8.975	20226.2052
		TOTAL:		11.27	28.24	54281.15

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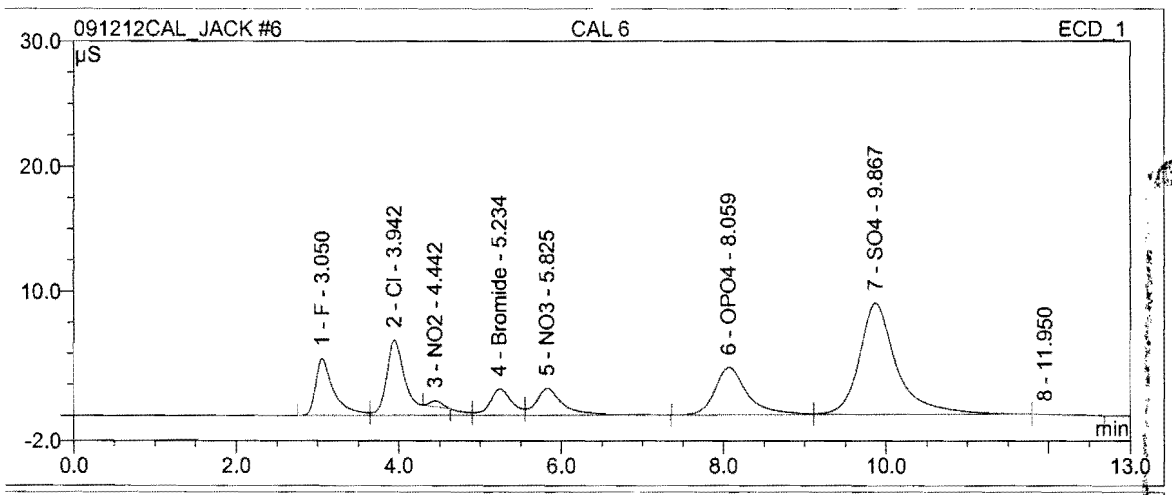
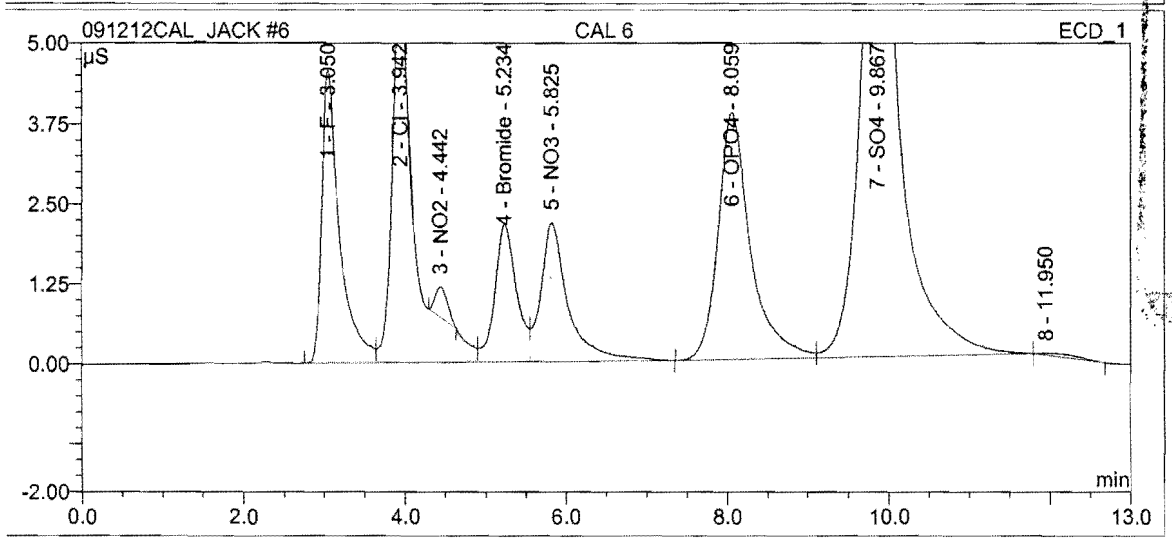


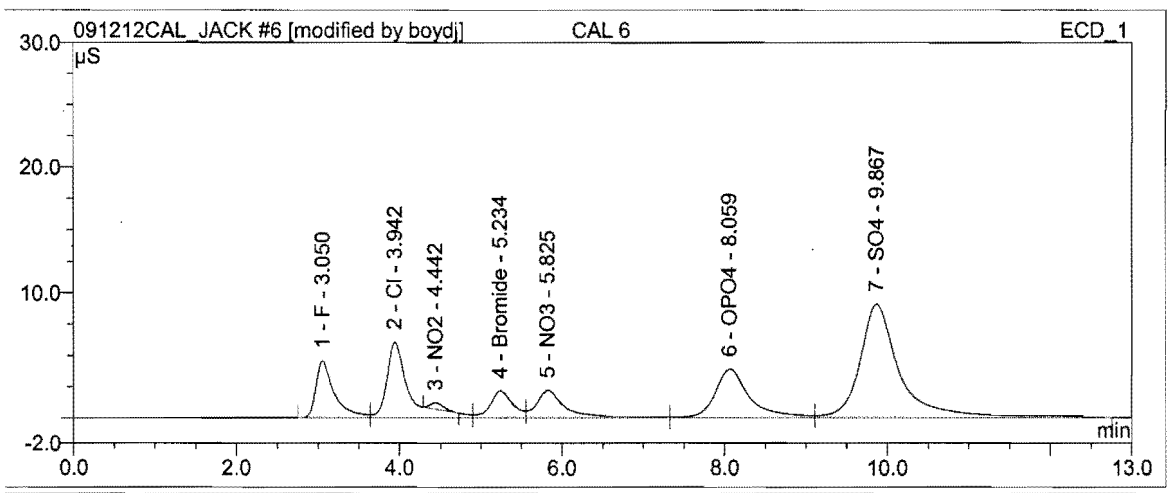


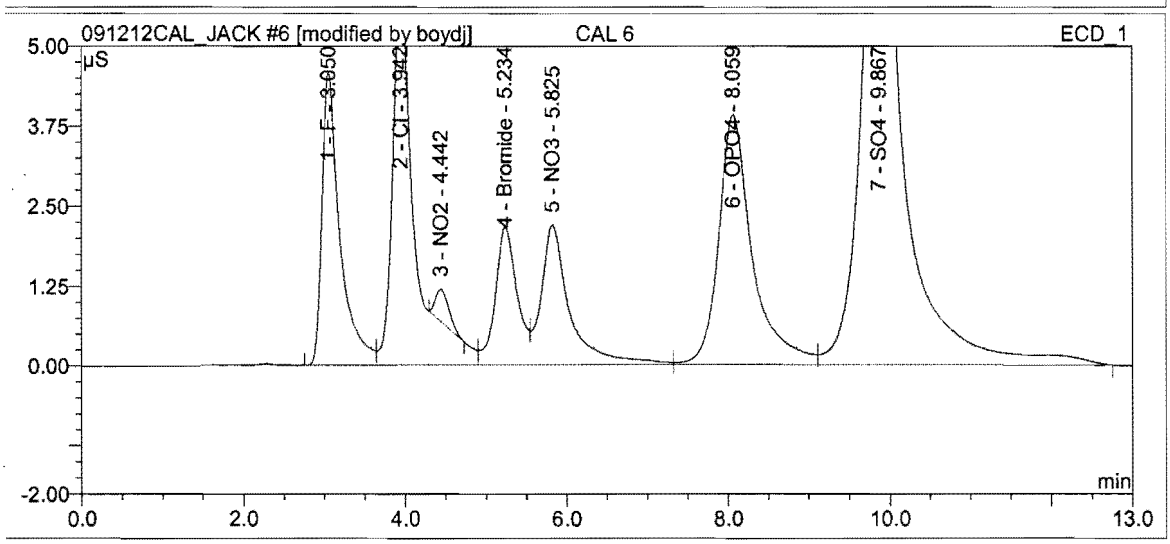
1. Peak Not Found
2. Incomplete Peak Processing
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing - NO2, SO4
6. Split Peak - NO3/OPO4
7. Other

Integration Report - ECD_1

Sample Name:	**CAL 6**	*Inj. Vol.:*	**50.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 11:37**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM *	1.176	4.568	2503.3799
2	3.94	Cl	M *	1.898	6.069	5017.4846
3	4.44	NO2	Rd*	0.101	0.512	398.8529
4	5.23	Bromide	M *	0.686	2.156	5023.8769
5	5.83	NO3	M *	0.905	2.189	1014.3452
6	8.06	OPO4	M *	1.887	3.902	20273.0264
7	9.87	SO4	MB*	5.188	9.074	20314.2765
			TOTAL:	11.84	28.47	54545.24





Integration Report - ECD_1

Sample Name:	**ICV**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 11:52**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BMB	0.416	1.716	884.8263
2	3.93	Cl	BMb	0.468	2.092	1237.9770
3	4.43	NO2	bMB	0.025	0.158	97.0211
4	5.24	Bromide	BM	0.215	0.744	1572.0291
5	5.83	NO3	MB	0.277	0.775	310.0203
6	8.07	OPO4	BM	0.704	1.437	7563.3582
7	9.88	SO4	M	1.919	3.326	7512.6368
		TOTAL:		4.02	10.25	19177.87

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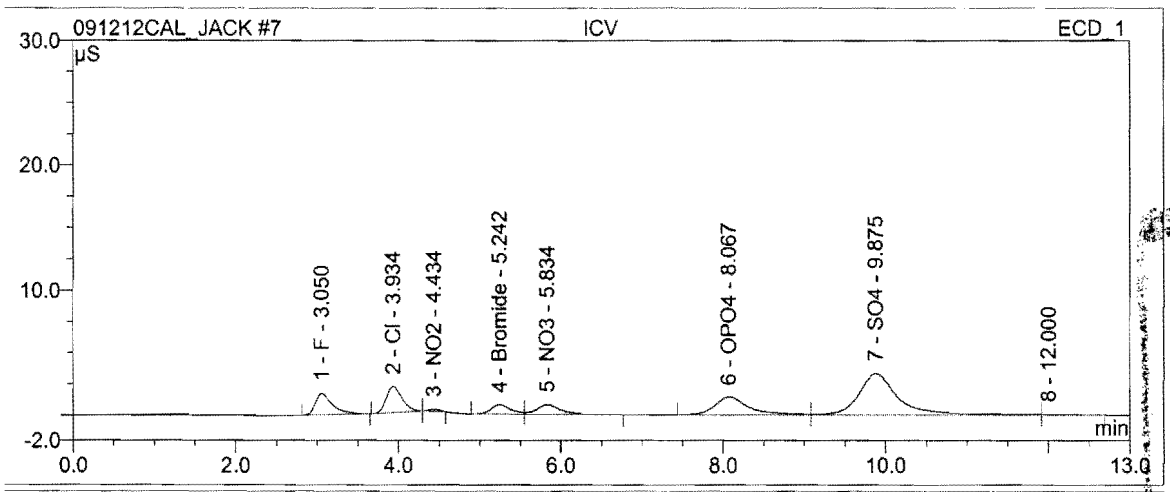
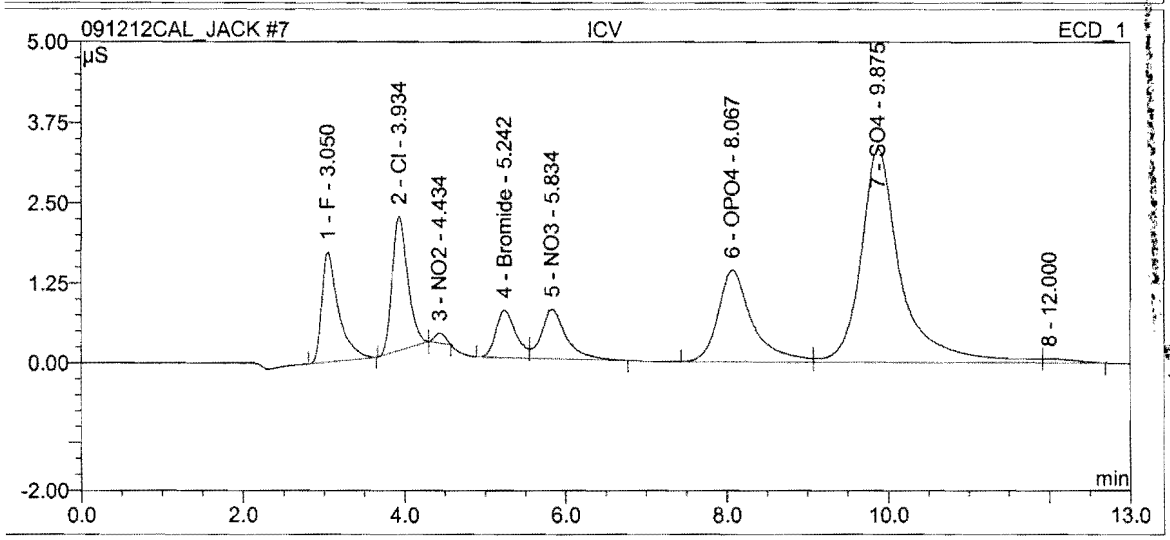


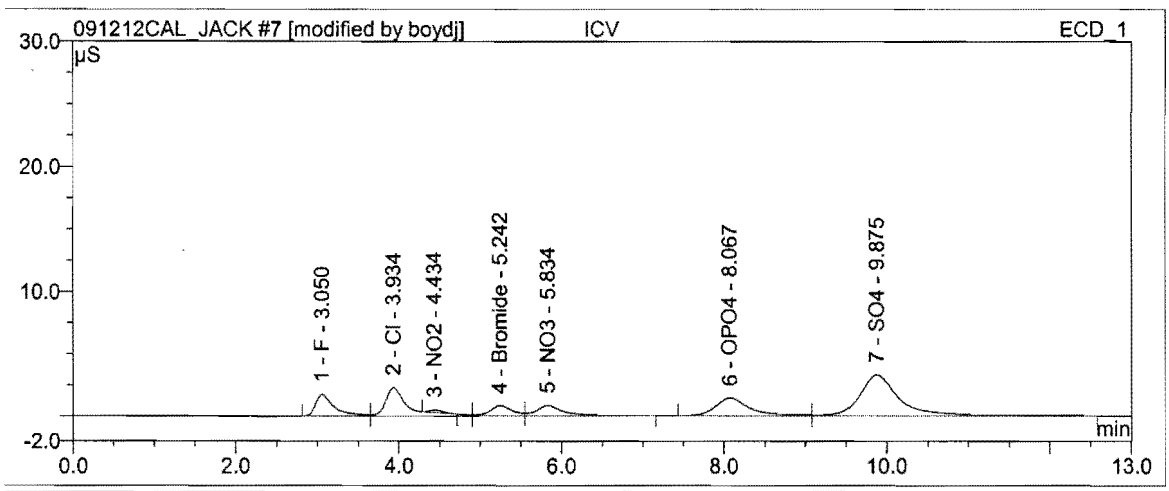


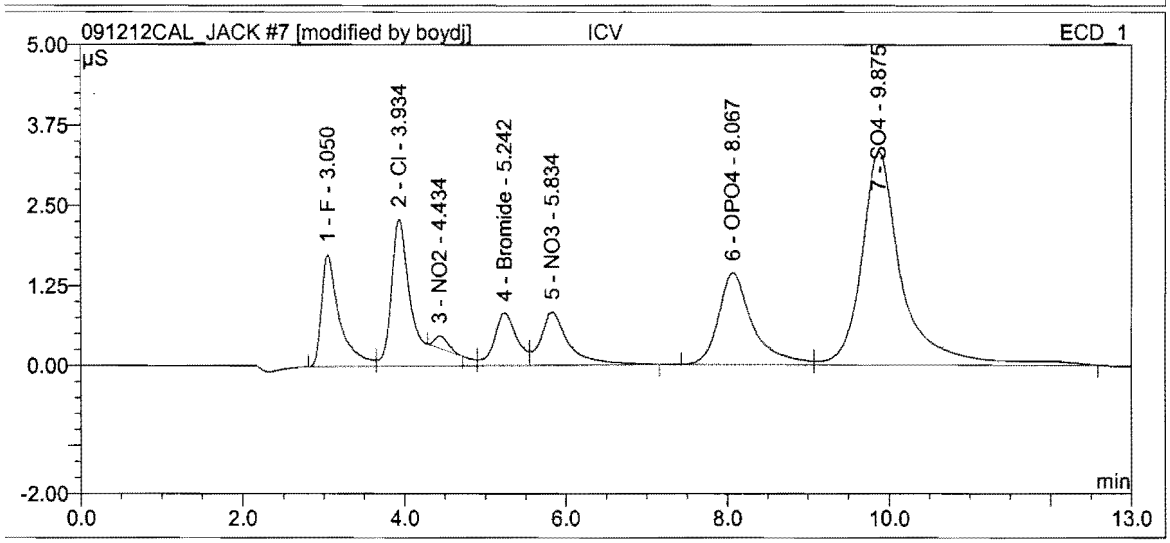
1. None (Int Fixed)
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing -All anions
6. Split Peak
7. Other _____

Integration Report - ECD_1

Sample Name:	**ICV**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 11:52**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM *	0.455	1.743	968.7069
2	3.93	Cl	M *	0.730	2.293	1928.6504
3	4.43	NO2	Rd*	0.039	0.196	153.8141
4	5.24	Bromide	M *	0.267	0.824	1952.6844
5	5.83	NO3	MB*	0.337	0.832	377.8982
6	8.07	OPO4	BM *	0.702	1.436	7540.8056
7	9.88	SO4	MB*	1.928	3.323	7550.9326
			TOTAL:	4.46	10.65	20473.49

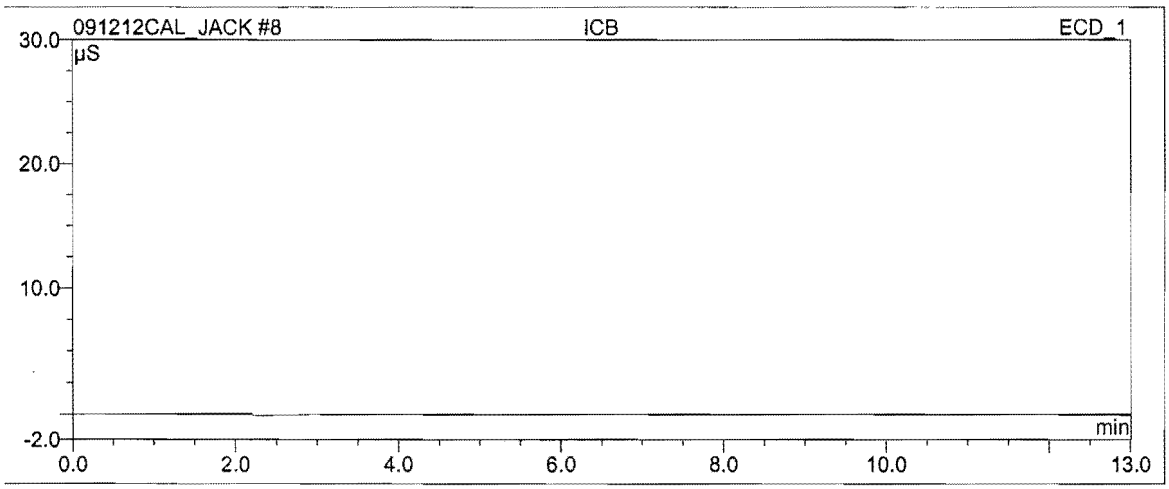


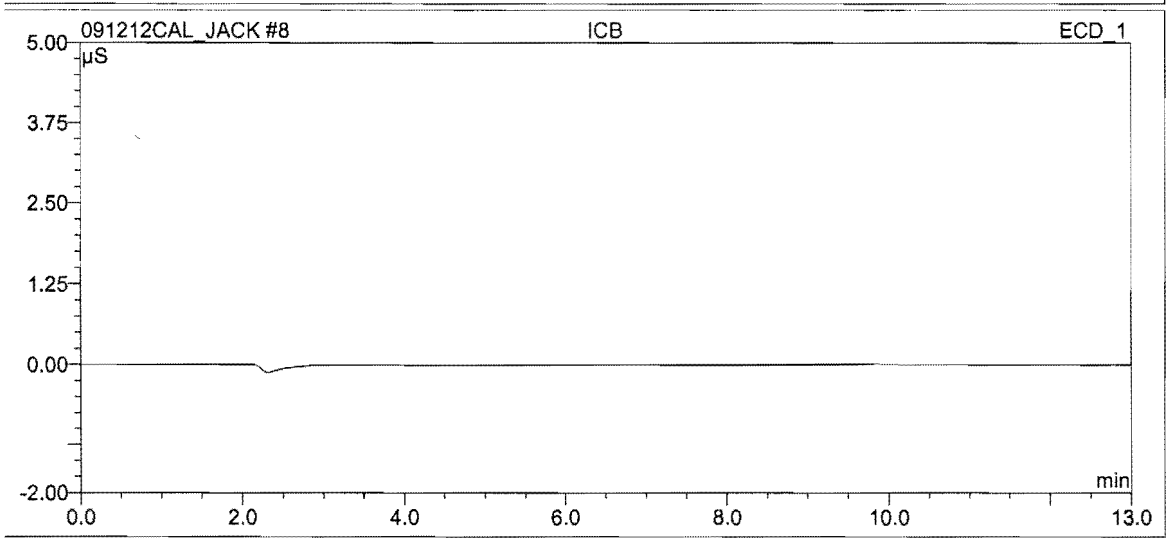


Integration Report - ECD_1

Sample Name:	**ICB**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 12:07**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
		TOTAL:		0.00	0.00	0.00

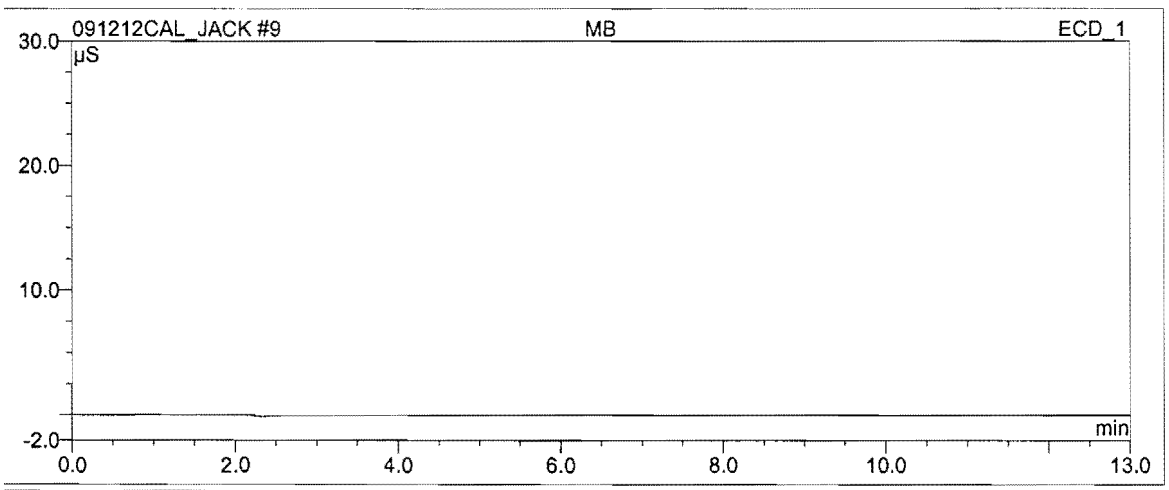


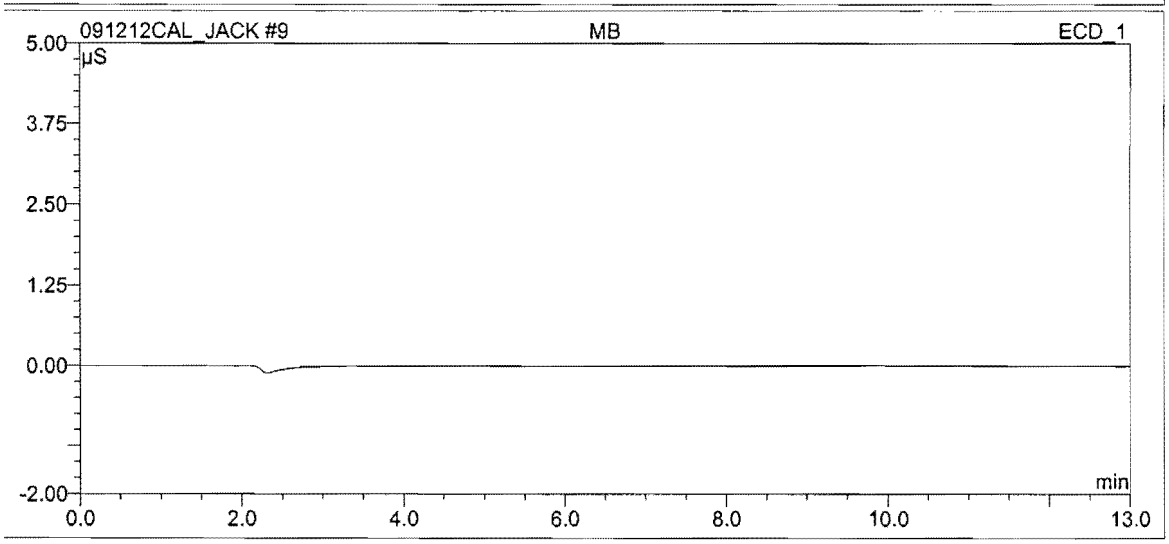


Integration Report - ECD_1

Sample Name:	**MB**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 12:23**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
		TOTAL:		0.00	0.00	0.00





Integration Report - ECD_1

Sample Name:	**LCS**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 12:38**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.04	F	BM	0.461	1.736	981.9949
2	3.93	Cl	M	0.741	2.285	1959.4007
3	4.43	NO2	Rd	0.022	0.147	87.1184
4	5.21	Bromide	M	0.258	0.821	1891.9694
5	5.82	NO3	MB	0.308	0.812	345.1542
6	8.05	OPO4	BM	0.669	1.407	7188.3764
7	9.85	SO4	MB	1.762	3.273	6897.6134
		TOTAL:		4.22	10.48	19351.63

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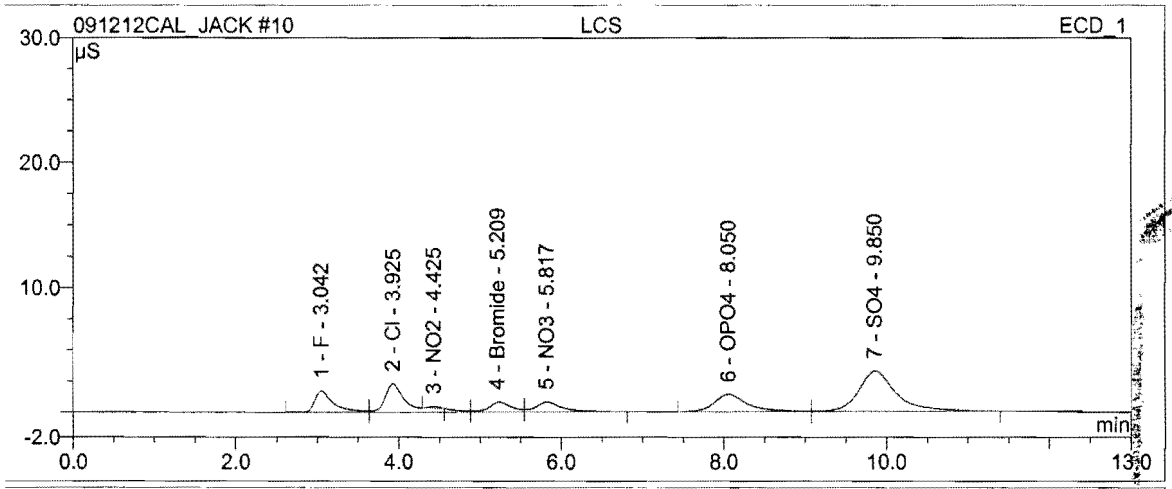
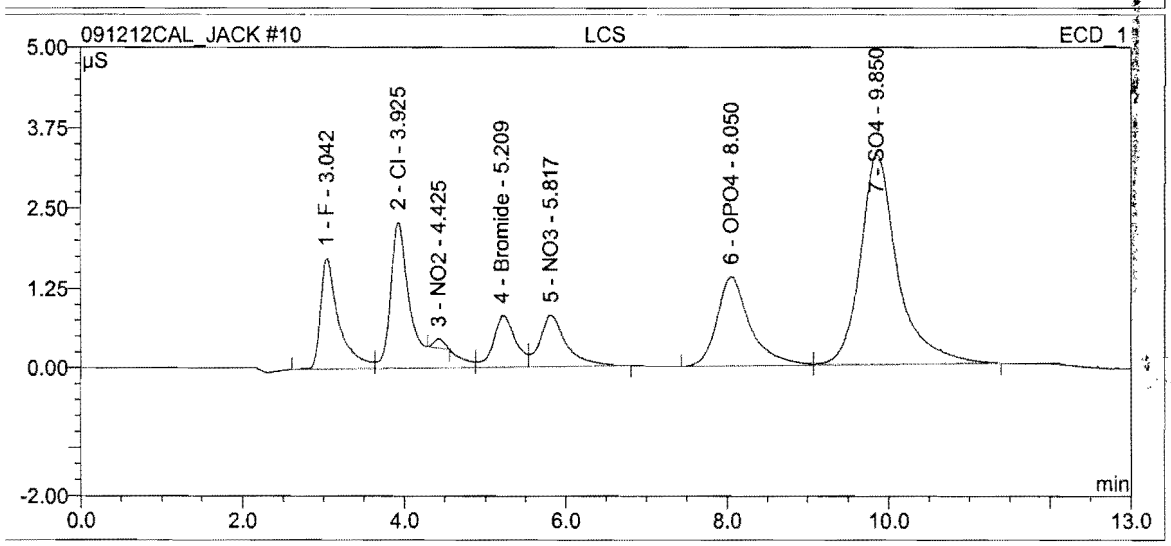
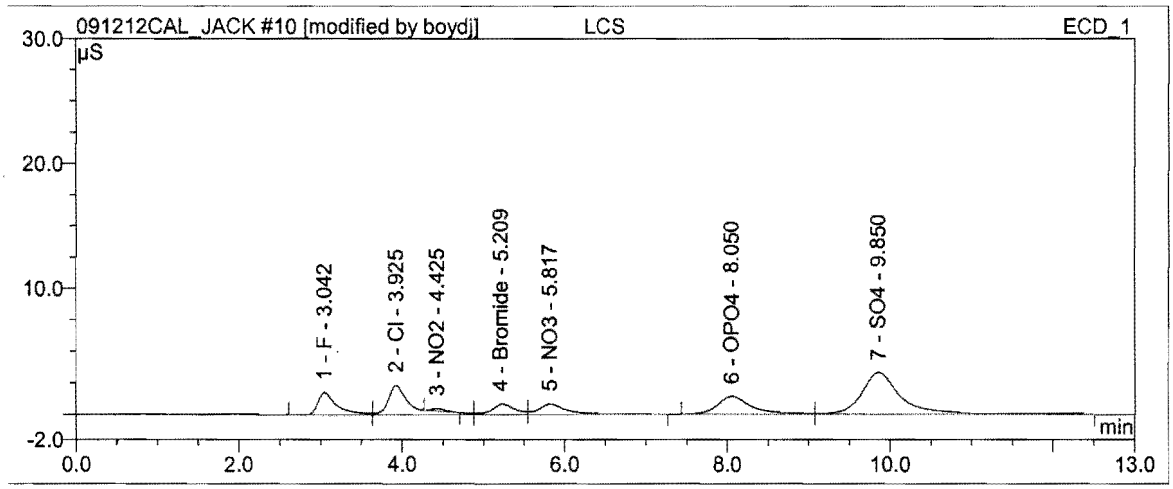


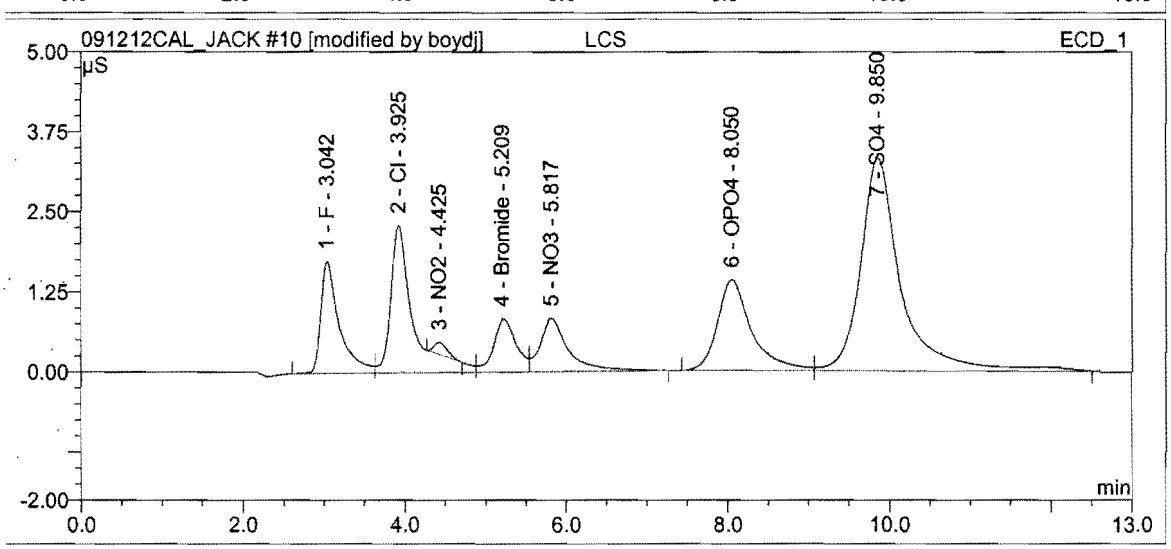


Integration Report - ECD_1

Sample Name:	**LCS**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 12:38**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.04	F	BM *	0.465	1.739	988.7849
2	3.93	Cl	M *	0.739	2.293	1952.2192
3	4.43	NO2	Rd*	0.037	0.189	147.4124
4	5.21	Bromide	M *	0.269	0.837	1968.2208
5	5.82	NO3	MB*	0.341	0.832	382.2682
6	8.05	OPO4	BM *	0.692	1.418	7433.6152
7	9.85	SO4	MB*	1.925	3.314	7538.5135
			TOTAL:	4.47	10.62	20411.03

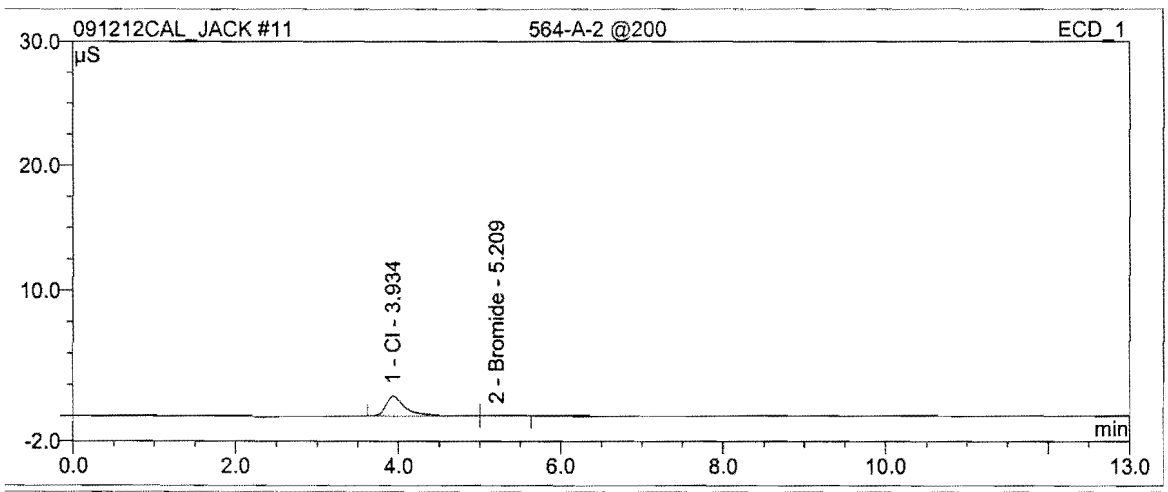


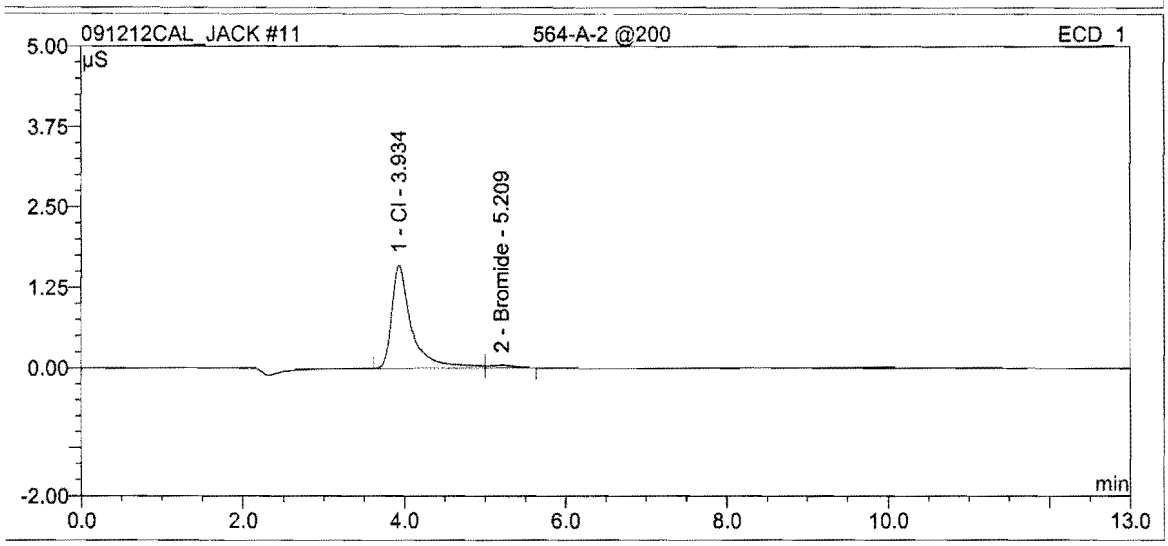


Integration Report - ECD_1

Sample Name:	**564-A-2 @200**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 12:54**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.93	Cl	BM	0.455	1.594	1202.3291
2	5.21	Bromide	MB	0.017	0.046	123.1408
		TOTAL:		0.47	1.64	1325.47

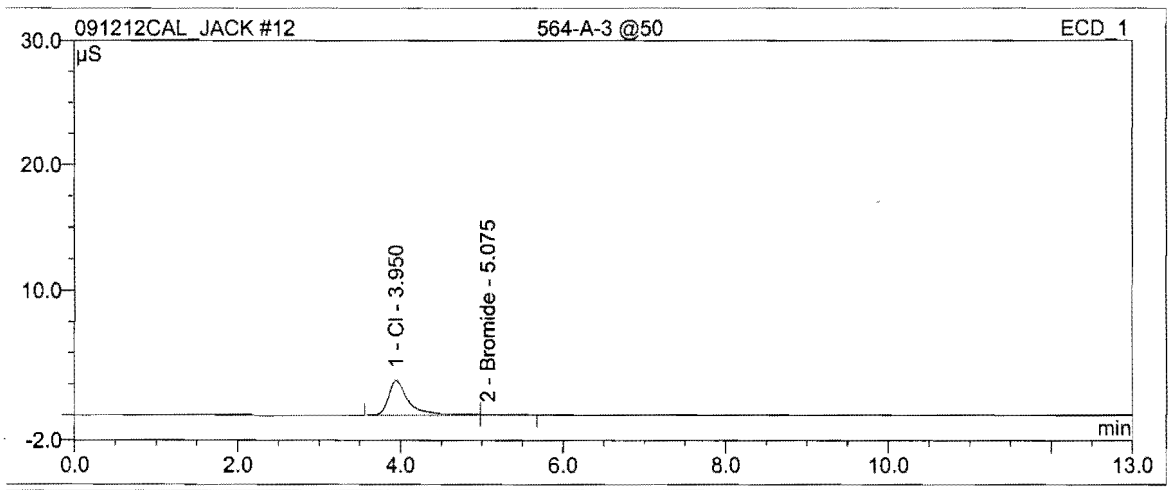


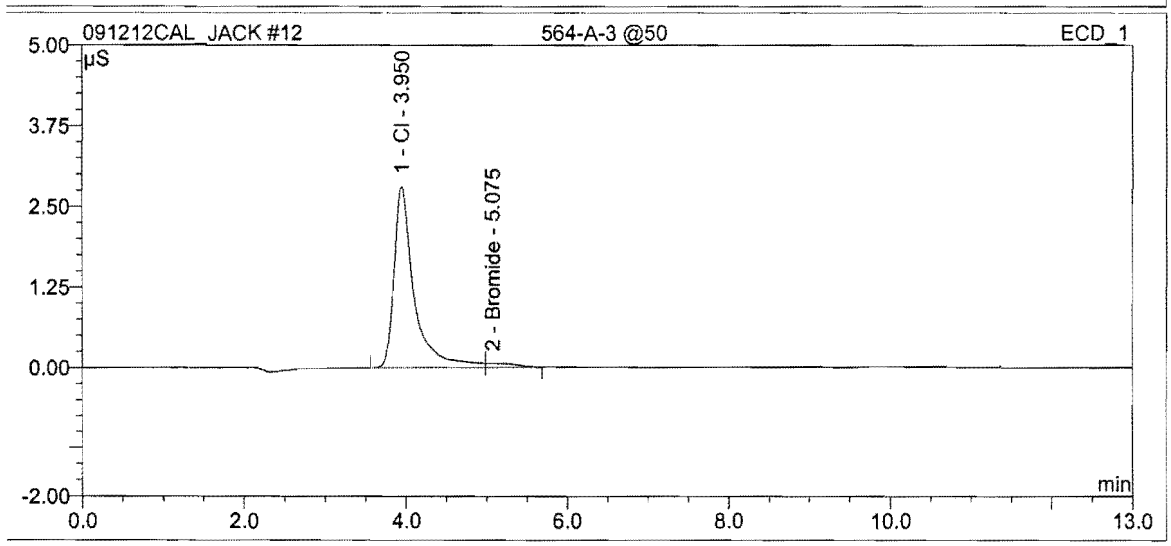


Integration Report - ECD_1

Sample Name:	**564-A-3 @50**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 13:09**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.95	Cl	BM	0.809	2.811	2137.9680
2	5.08	Bromide	MB	0.028	0.065	206.1539
		TOTAL:		0.84	2.88	2344.12





Integration Report - ECD_1

Sample Name:	**564-A-4 @100**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 13:25**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.041	0.097	87.1051
2	3.93	Cl	M	0.709	2.441	1874.4957
3	5.19	Bromide	MB	0.020	0.054	143.5829
4	9.90	SO4	BMB	0.037	0.083	145.7705
		TOTAL:		0.81	2.67	2250.95

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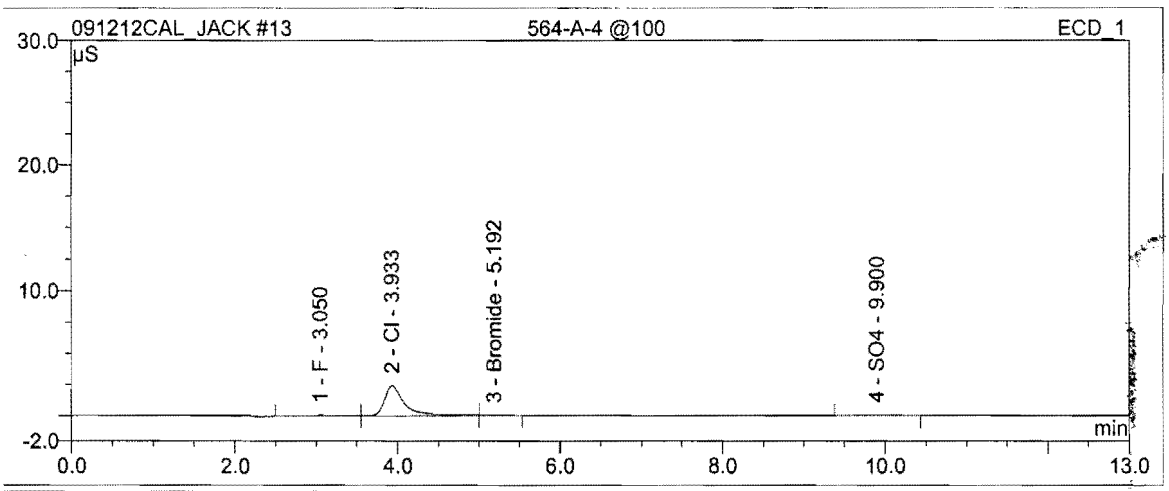
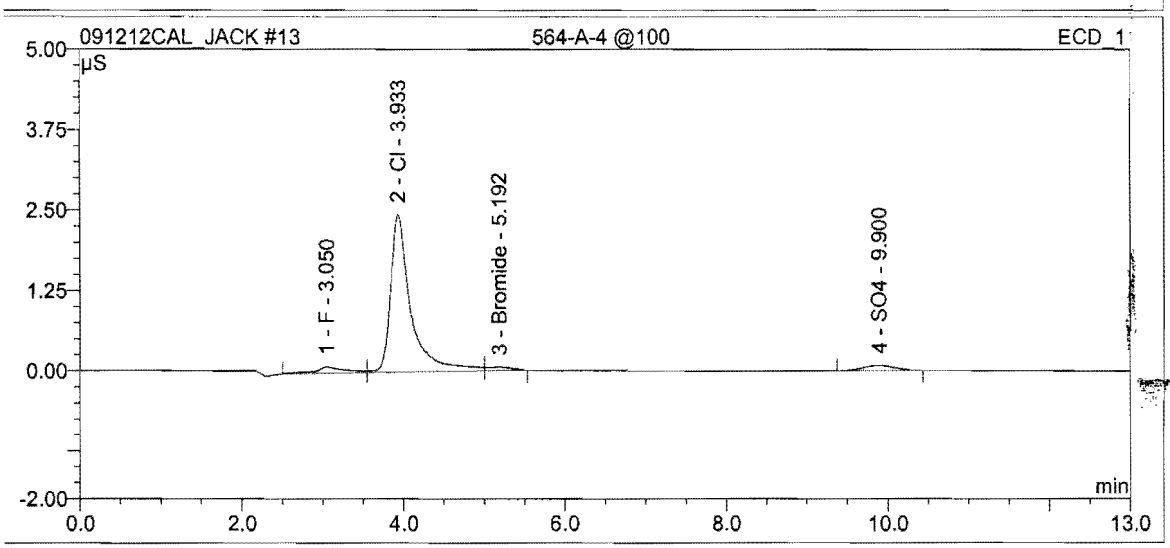
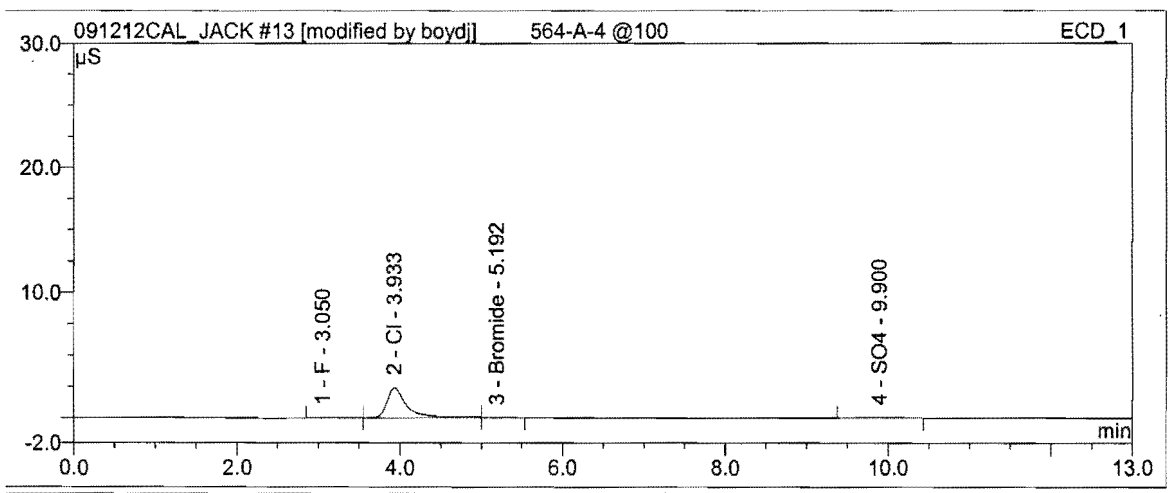


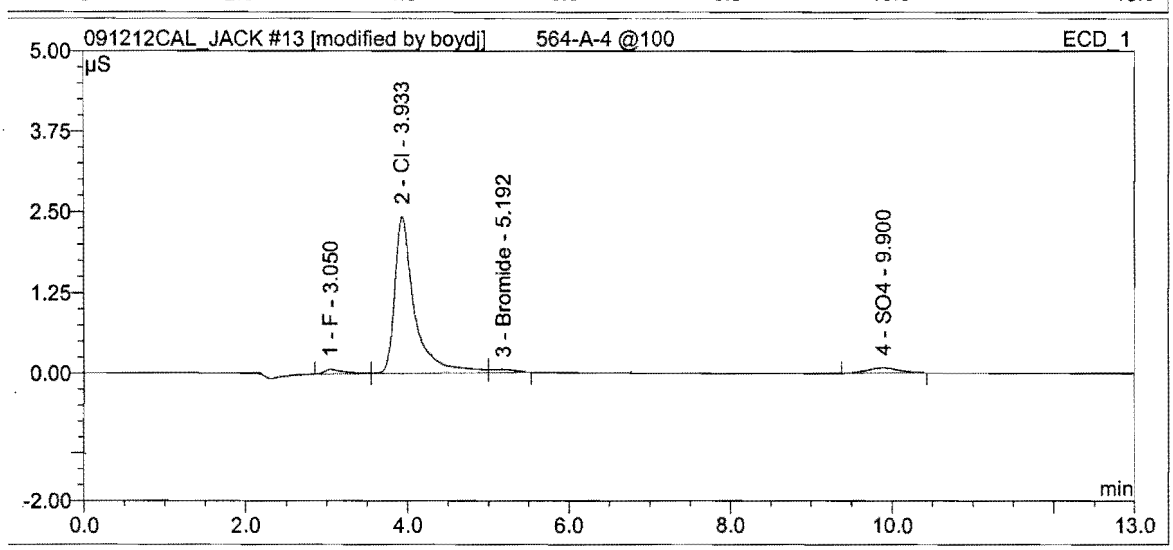


Integration Report - ECD_1

Sample Name:	**564-A-4 @100**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 13:25**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM *	0.020	0.073	41.9008
2	3.93	Cl	M *	0.692	2.426	1829.3024
3	5.19	Bromide	MB*	0.018	0.051	133.8212
4	9.90	SO4	BMB	0.037	0.083	145.7705
		TOTAL:		0.77	2.63	2150.79

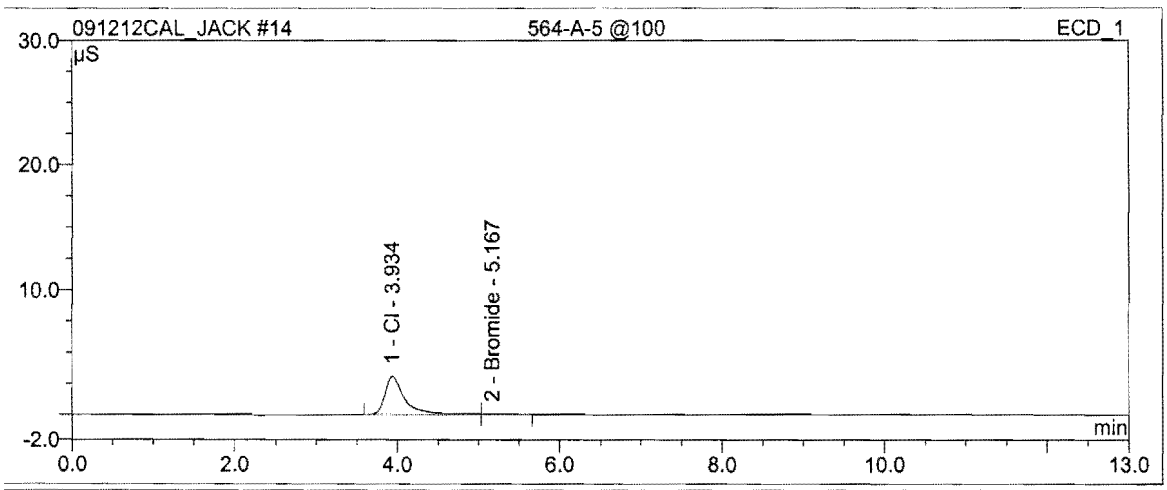


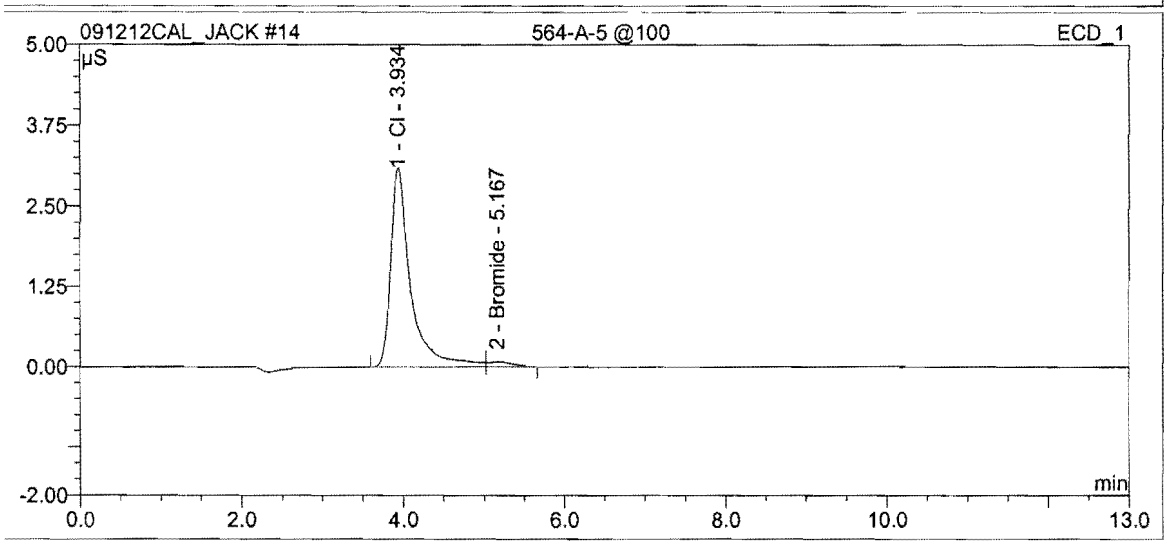


Integration Report - ECD_1

Sample Name:	**564-A-5 @100**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 13:40**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.93	Cl	BM	0.883	3.089	2334.2900
2	5.17	Bromide	MB	0.027	0.076	194.7795
		TOTAL:		0.91	3.17	2529.07

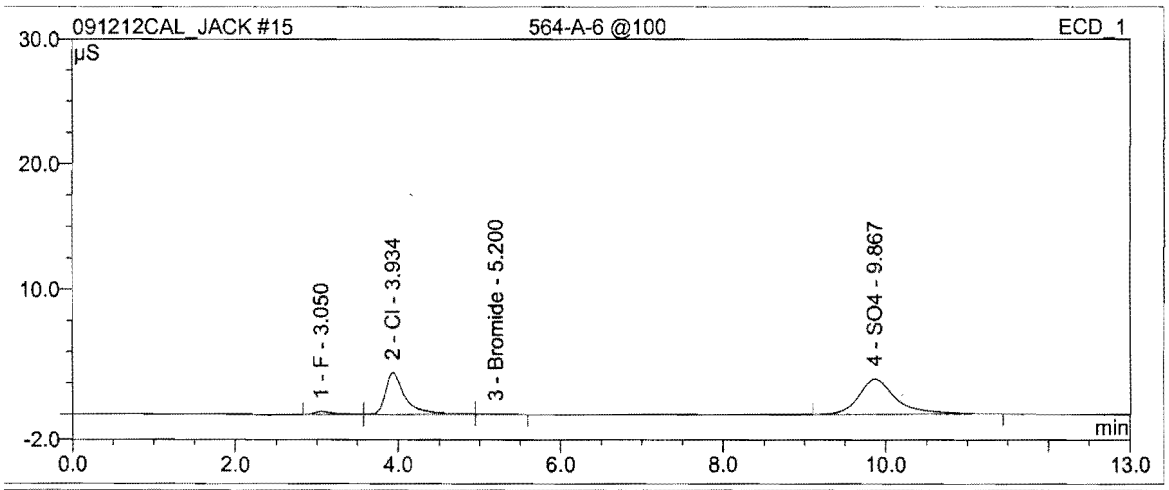


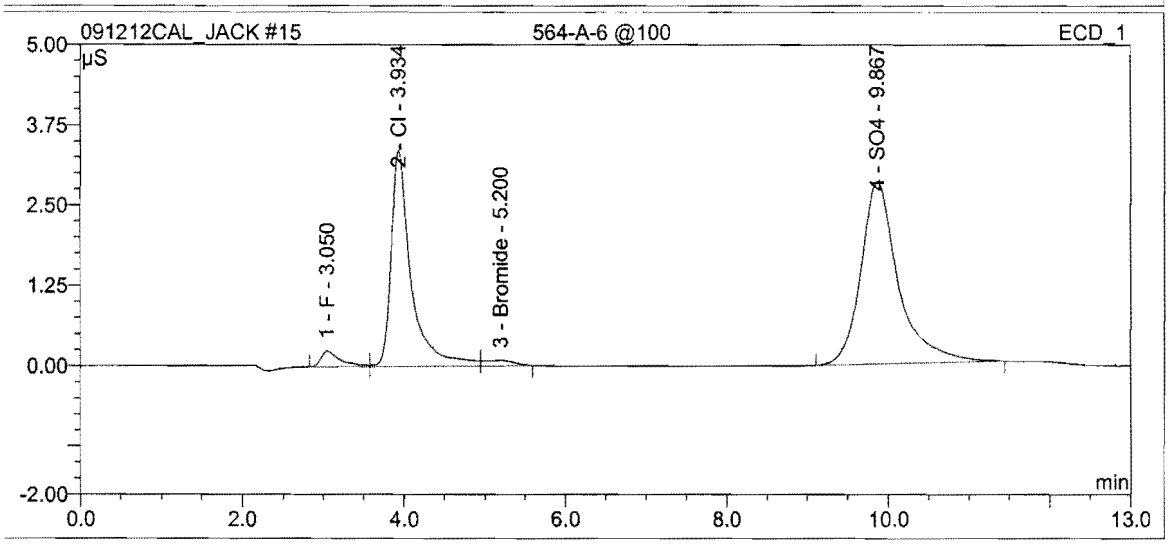


Integration Report - ECD_1

Sample Name:	**564-A-6 @100**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 13:55**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.067	0.243	141.5837
2	3.93	Cl	M	0.957	3.358	2528.3579
3	5.20	Bromide	MB	0.036	0.086	264.0358
4	9.87	SO4	BMB	1.529	2.842	5986.6660
		TOTAL:		2.59	6.53	8920.64





Integration Report - ECD_1

Sample Name:	**564-A-7 @20**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 14:11**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.96	Cl	BMB	0.638	2.314	1685.0432
2	9.94	SO4	BMB	0.020	0.042	80.0196
		TOTAL:		0.66	2.36	1765.06

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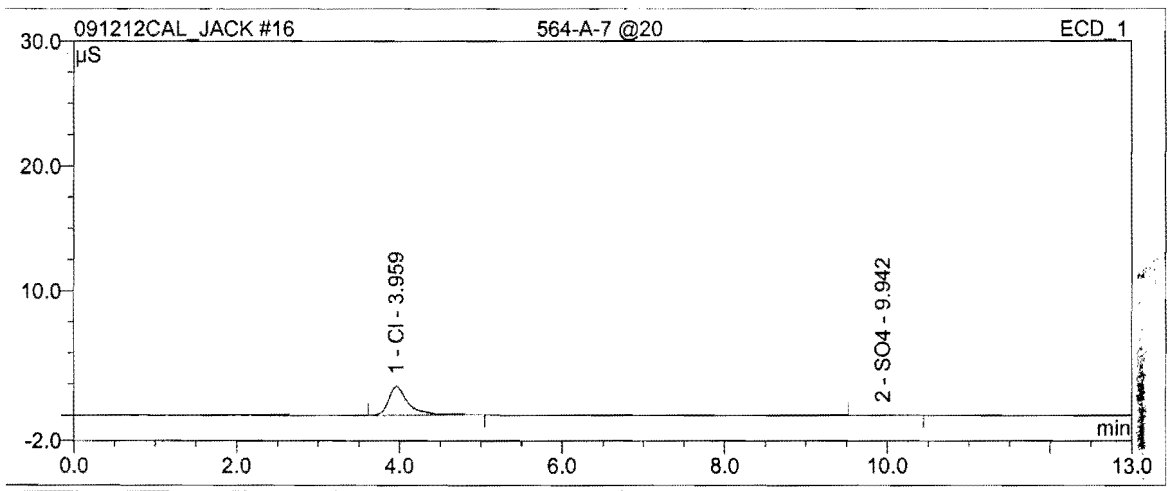
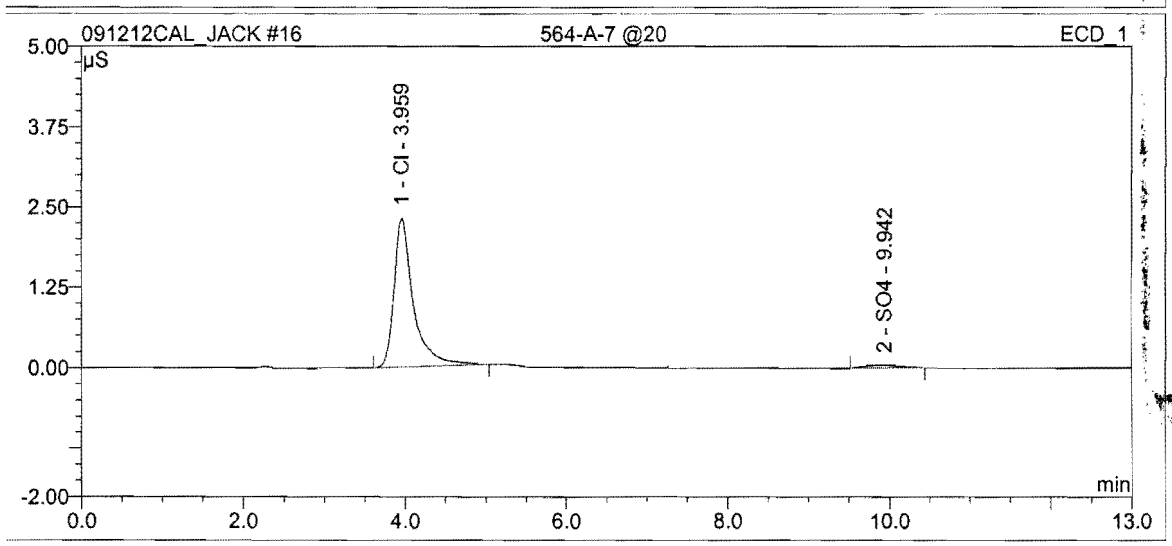
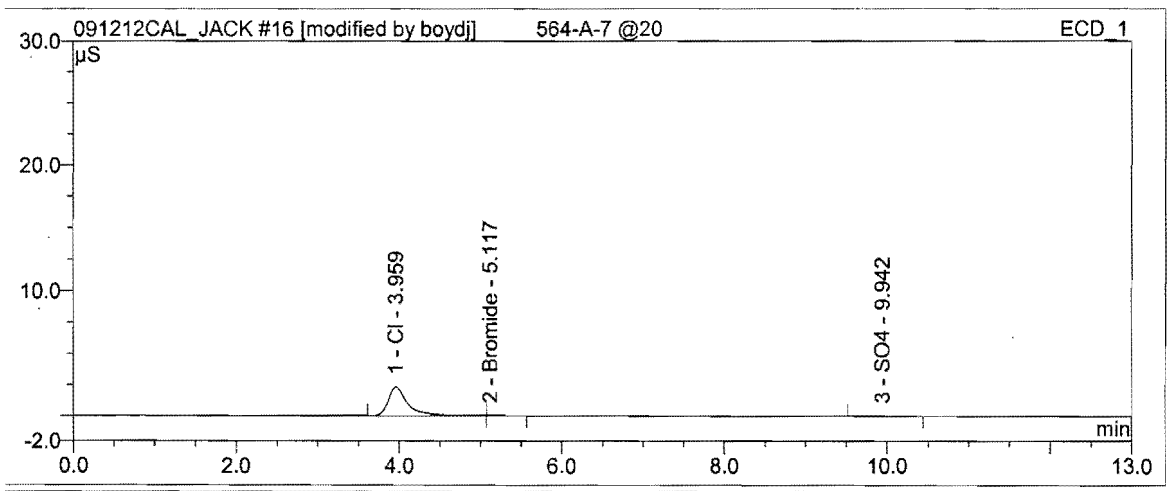


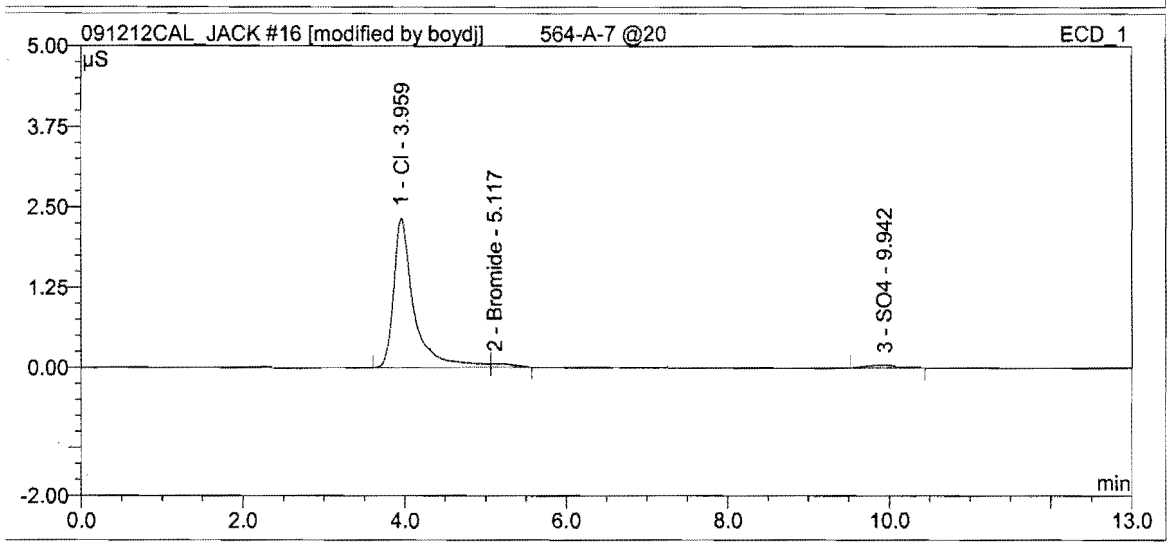


Integration Report - ECD_1

Sample Name:	**564-A-7 @20**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 14:11**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.96	Cl	BM *	0.673	2.325	1779.2884
2	5.12	Bromide	MB*	0.017	0.053	122.7154
3	9.94	SO4	BMB	0.020	0.042	80.0196
			TOTAL:	0.71	2.42	1982.02

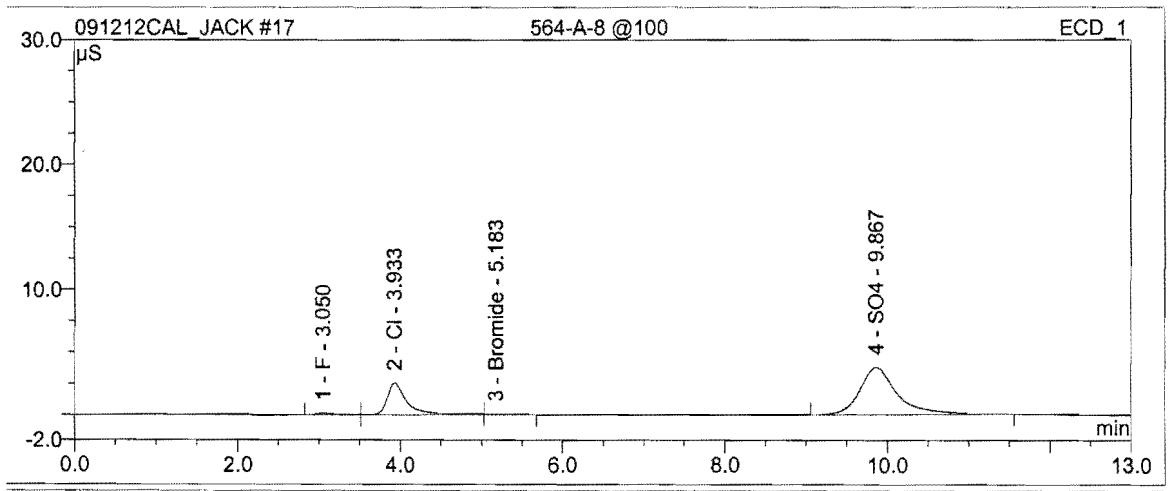


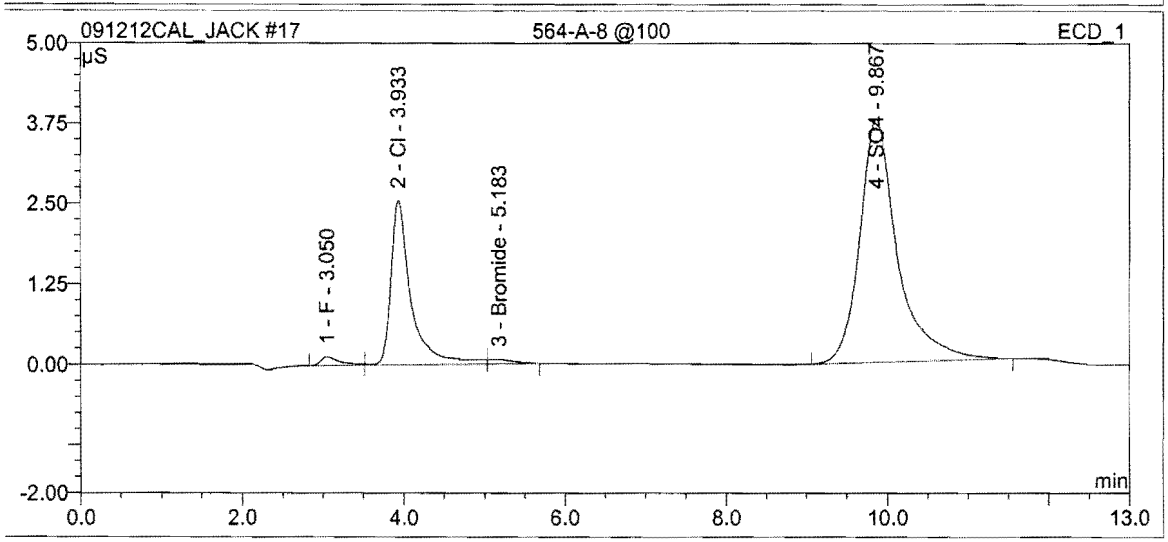


Integration Report - ECD_1

Sample Name:	**564-A-8 @100**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 14:26**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.036	0.135	77.6498
2	3.93	Cl	M	0.734	2.546	1939.4524
3	5.18	Bromide	MB	0.025	0.071	183.0344
4	9.87	SO4	BMB	2.043	3.777	8001.1290
		TOTAL:		2.84	6.53	10201.27

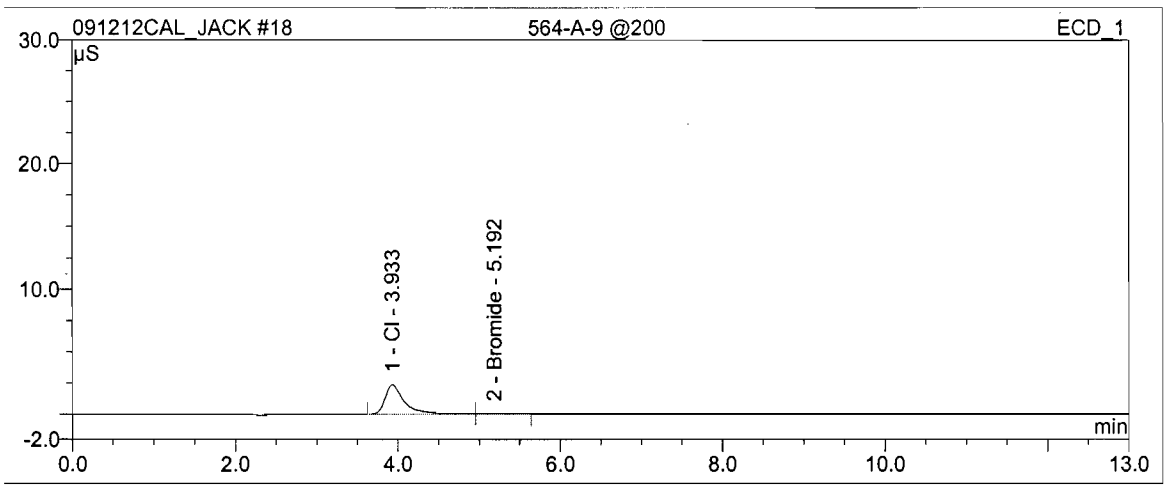


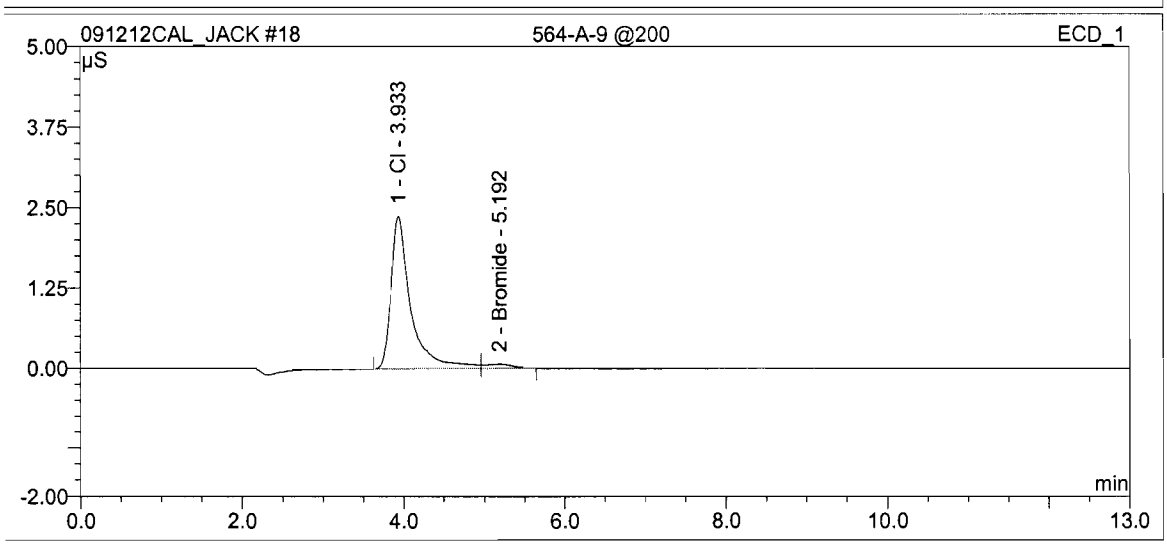


Integration Report - ECD_1

Sample Name:	**564-A-9 @200**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 14:42**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.93	Cl	BM	0.671	2.367	1773.1398
2	5.19	Bromide	MB	0.026	0.067	193.8169
		TOTAL:		0.70	2.43	1966.96





Integration Report - ECD_1

Sample Name:	**CCV**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 14:57**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.474	1.732	1009.4050
2	3.93	Cl	M	0.780	2.323	2061.7586
3	4.43	NO2	Rd	0.026	0.157	101.5048
4	5.23	Bromide	M	0.270	0.833	1977.4282
5	5.83	NO3	MB	0.336	0.824	376.4983
6	8.06	OPO4	BM	0.701	1.422	7528.6690
7	9.86	SO4	M	1.925	3.342	7536.2804
		TOTAL:		4.51	10.63	20591.54

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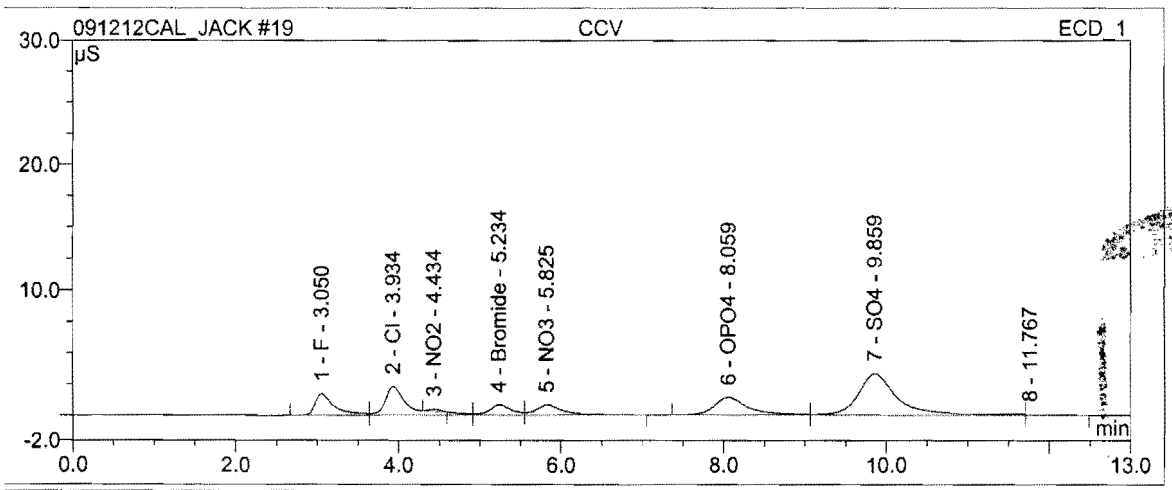
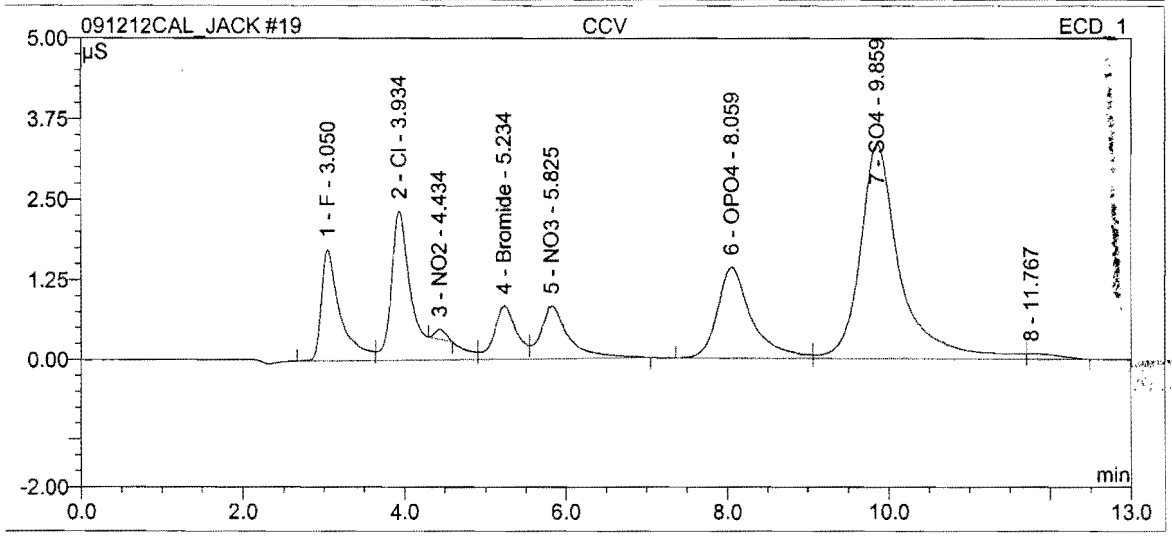


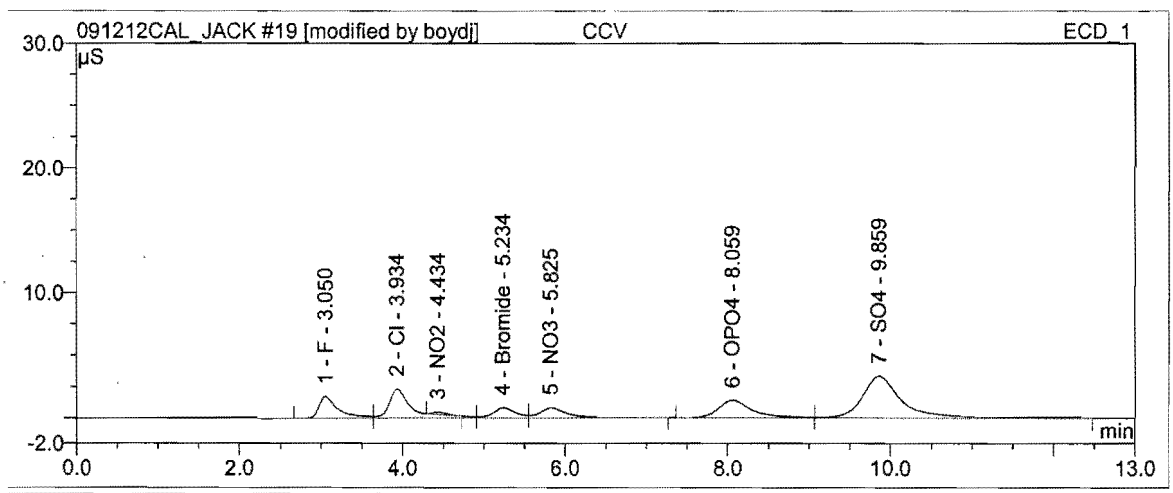


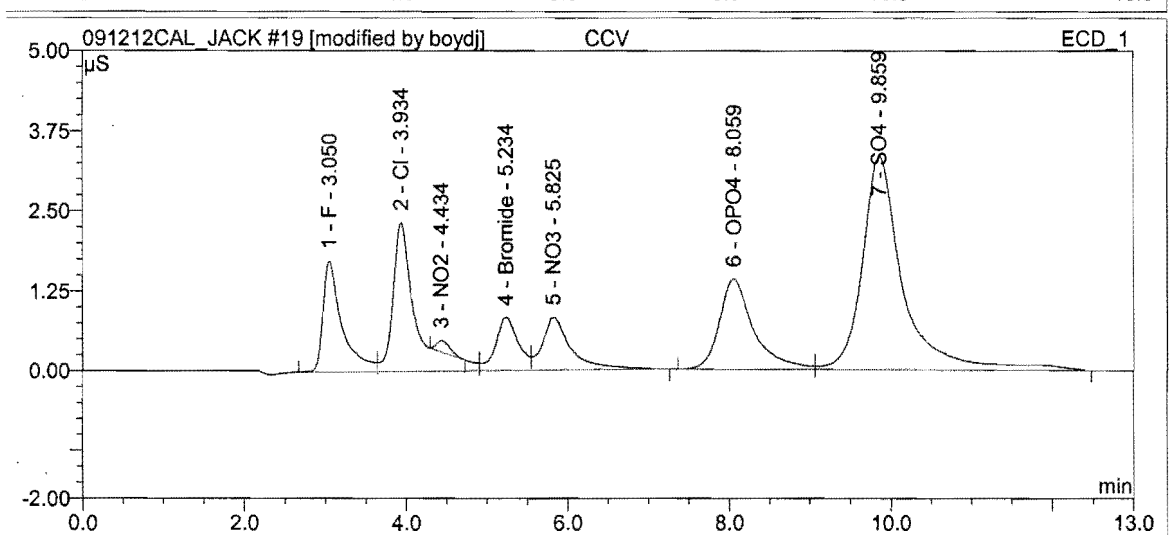
1. Peak Not Shown
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing -NO2, NO3, SO4
6. Split Peak
7. Other

Integration Report - ECD_1

Sample Name:	**CCV**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 14:57**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM *	0.475	1.732	1010.7541
2	3.93	Cl	M *	0.772	2.325	2040.4332
3	4.43	NO2	Rd*	0.036	0.183	144.1637
4	5.23	Bromide	M *	0.272	0.837	1993.4777
5	5.83	NO3	MB*	0.343	0.829	385.0810
6	8.06	OPO4	BM *	0.701	1.422	7527.1900
7	9.86	SO4	MB*	1.963	3.342	7687.1855
			TOTAL:	4.56	10.67	20788.29

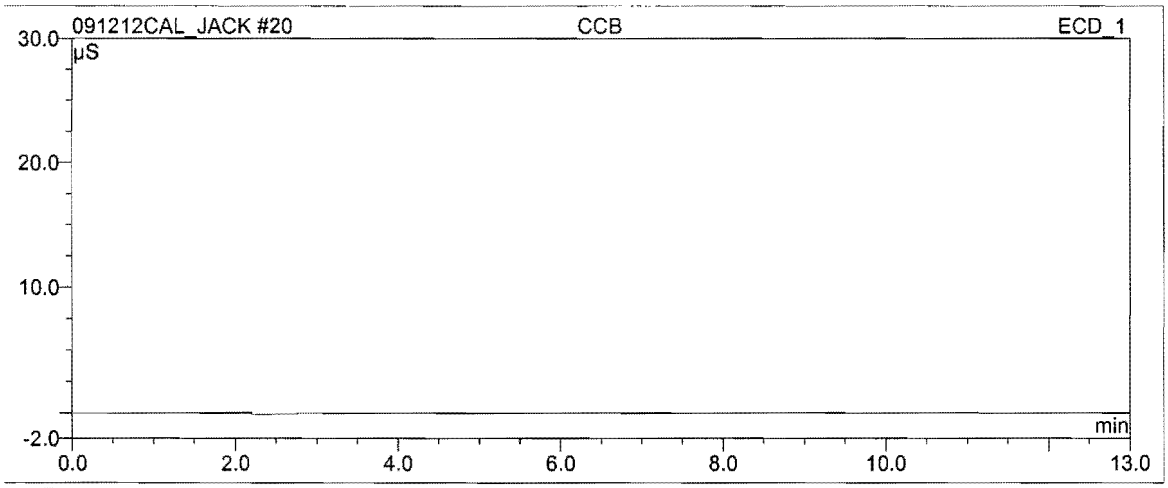


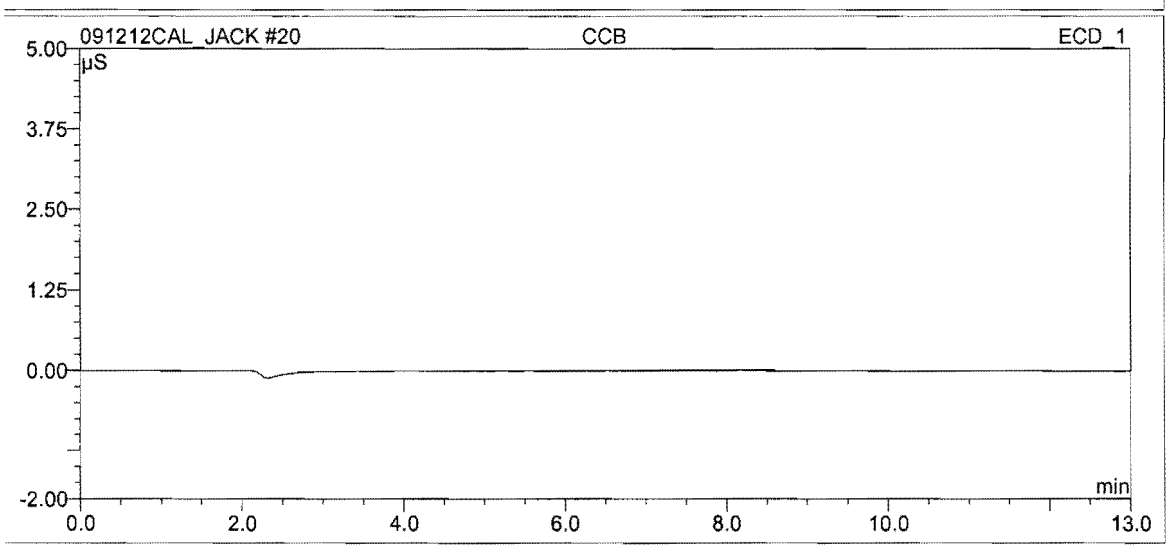


Integration Report - ECD_1

Sample Name:	**CCB**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 15:12**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
		TOTAL:		0.00	0.00	0.00





Integration Report - ECD_1

Sample Name:	**563-A-1**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 15:28**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.138	0.518	294.4405
3	5.86	NO3	MB	0.350	1.063	392.0147
4	9.87	SO4	BMB	9.782	18.366	38303.9921
		TOTAL:		10.27	19.95	38990.45

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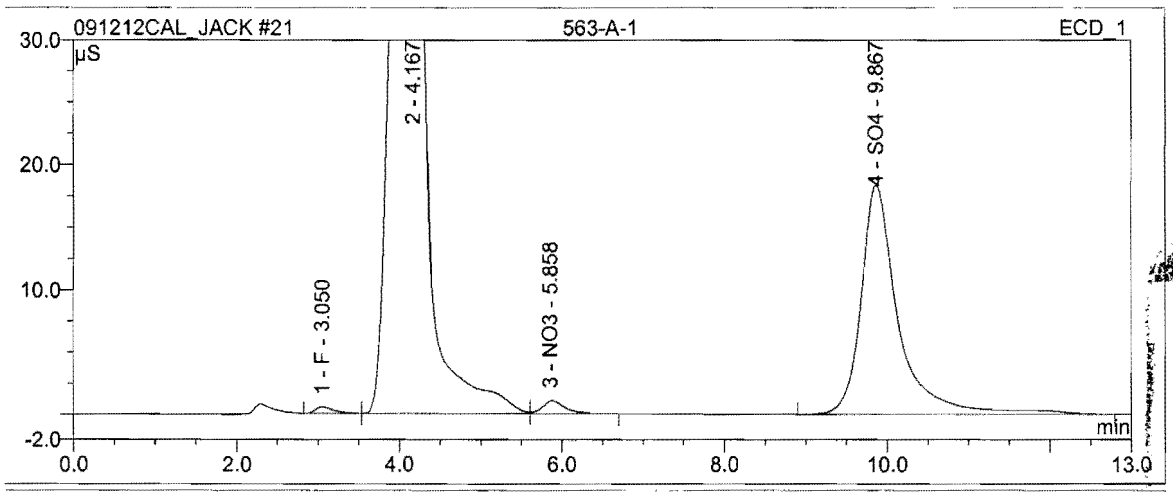
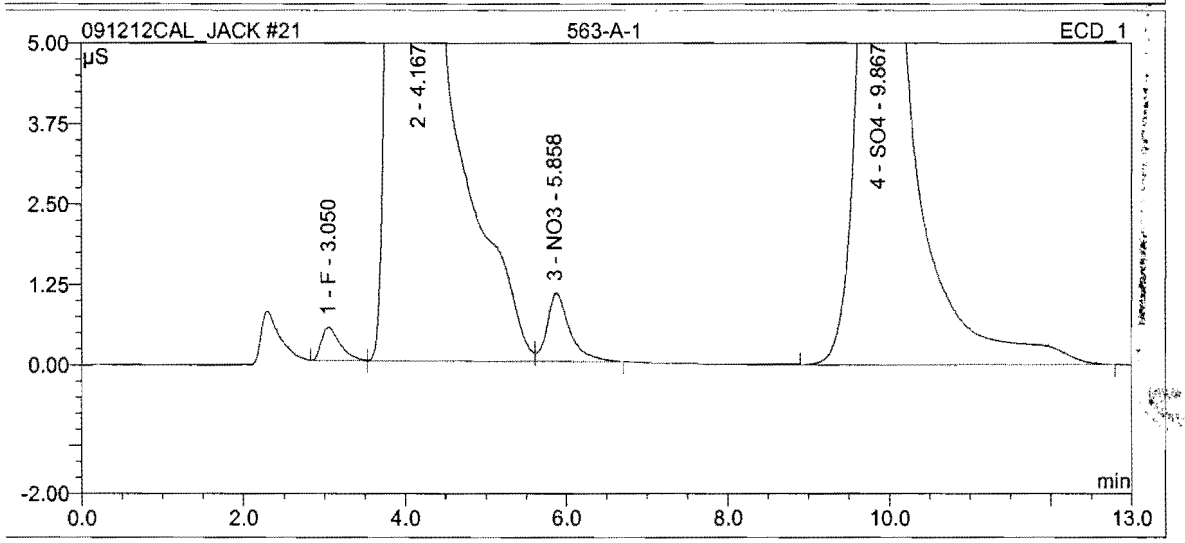




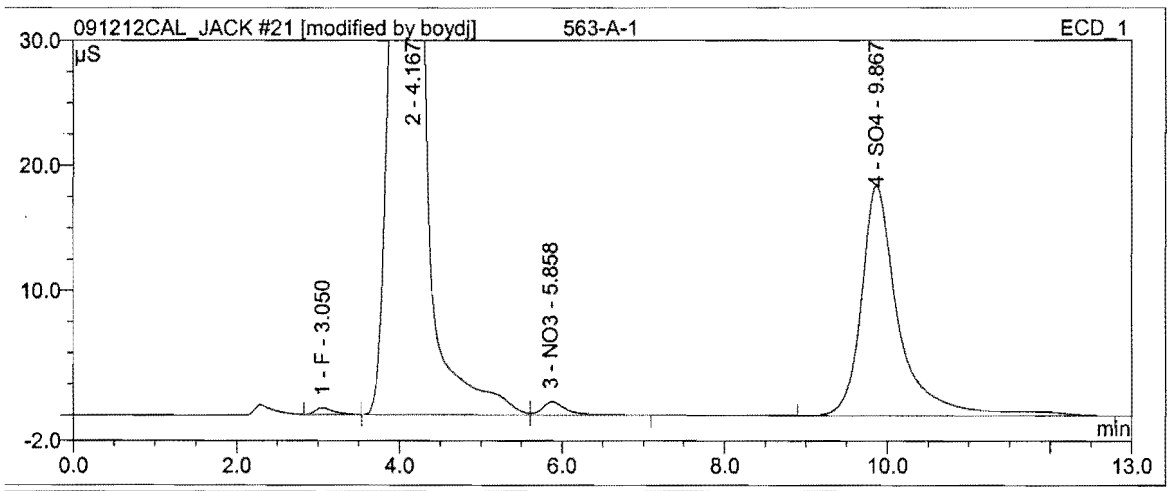
1. Peak Not Found
2. Inappropriate Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing
6. Split Peak
7. Other

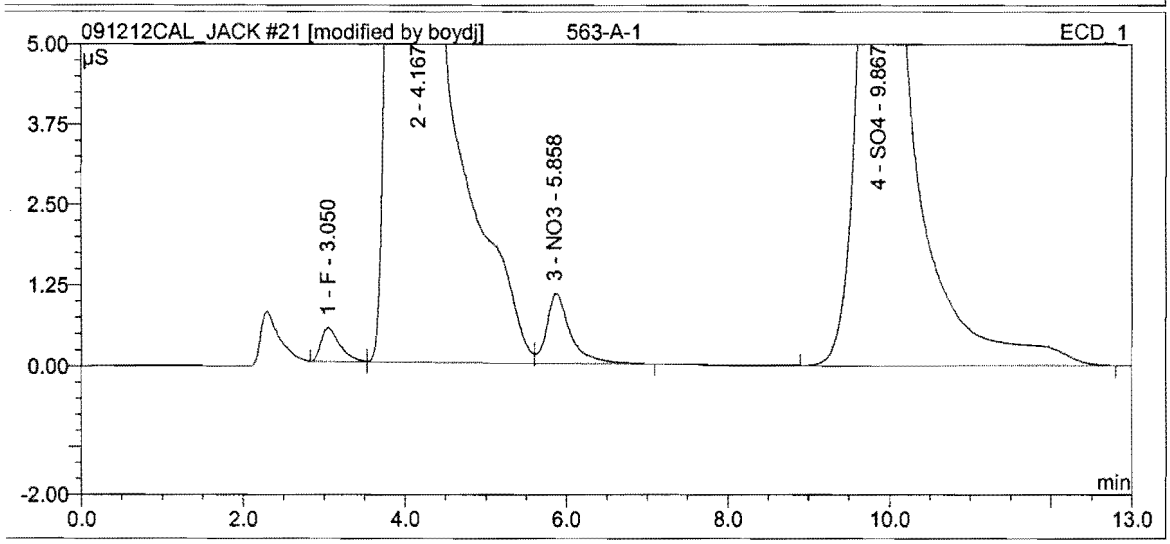
0 -NO3

Integration Report - ECD_1

Sample Name:	**563-A-1**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 15:28**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM *	0.139	0.519	296.3645
3	5.86	NO3	MB*	0.366	1.074	410.1189
4	9.87	SO4	BMB	9.782	18.366	38303.9921
		TOTAL:		10.29	19.96	39010.48





Integration Report - ECD_1

Sample Name:	**563-A-1 @10**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 15:43**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.020	0.074	42.6552
2	3.96	Cl	M	3.374	11.954	8916.6457
3	5.86	NO3	MB	0.036	0.097	40.1941
4	9.88	SO4	BMB	0.781	1.468	3058.0597
		TOTAL:		4.21	13.59	12057.55

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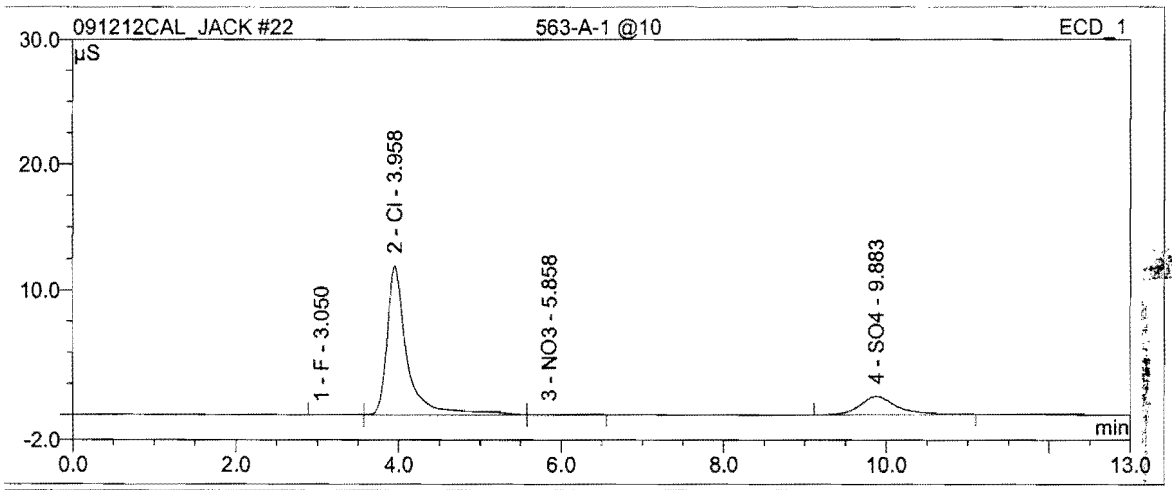
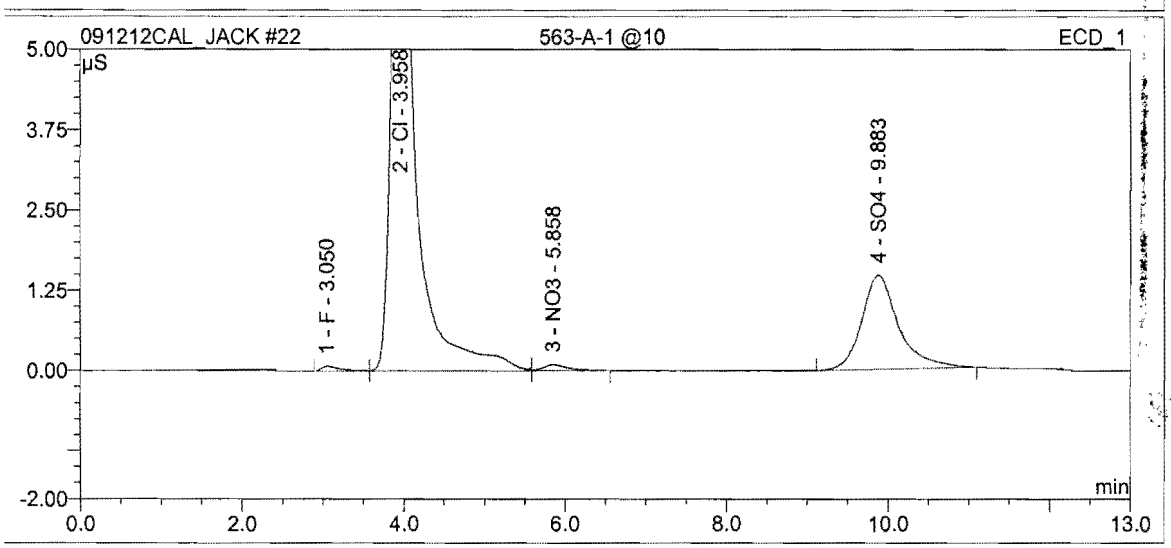




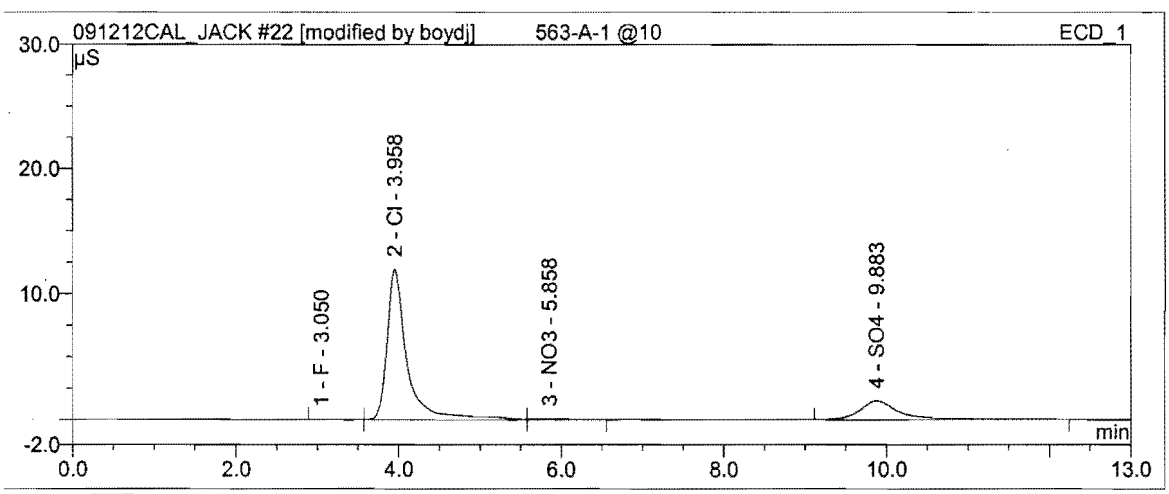
1. Bad Integration
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing
6. Split Peak
7. Other

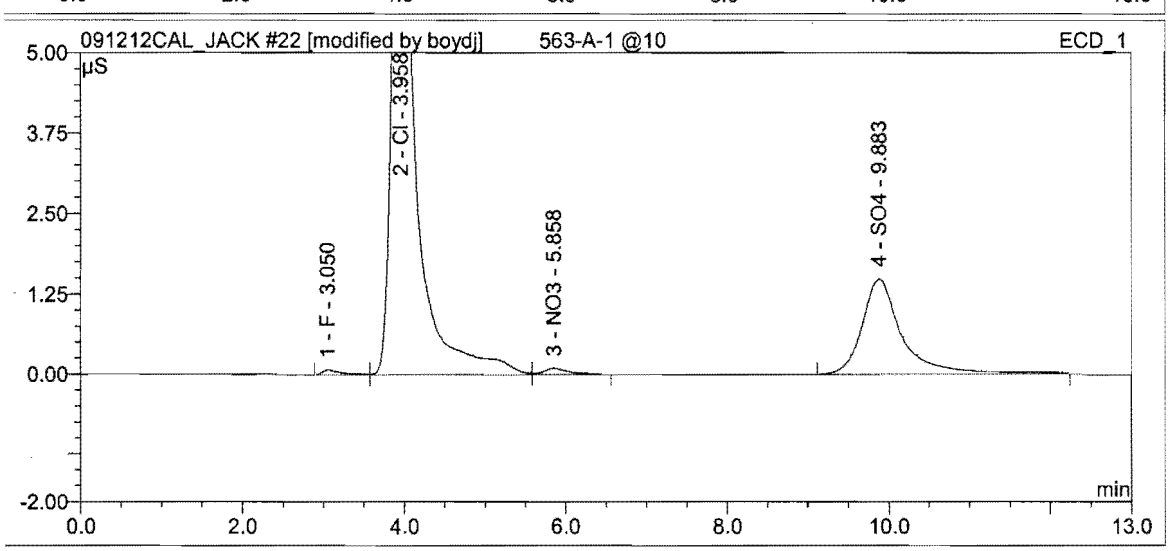
-504

Integration Report - ECD_1

Sample Name:	**563-A-1 @10**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 15:43**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.020	0.074	42.6552
2	3.96	Cl	M	3.374	11.954	8916.6457
3	5.86	NO3	MB	0.036	0.097	40.1941
4	9.88	SO4	BMB*	0.860	1.486	3367.4062
			TOTAL:	4.29	13.61	12366.90





Integration Report - ECD_1

Sample Name:	**563-A-1 @100**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 15:59**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.94	Cl	BMB	0.273	1.016	722.8650
2	9.88	SO4	BMB	0.071	0.146	277.9077
		TOTAL:		0.34	1.16	1000.77

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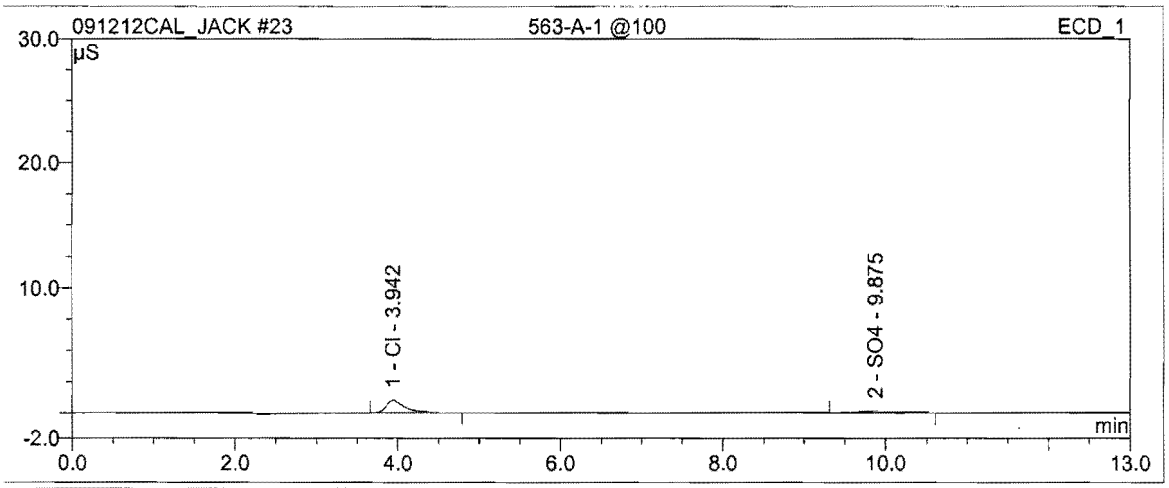
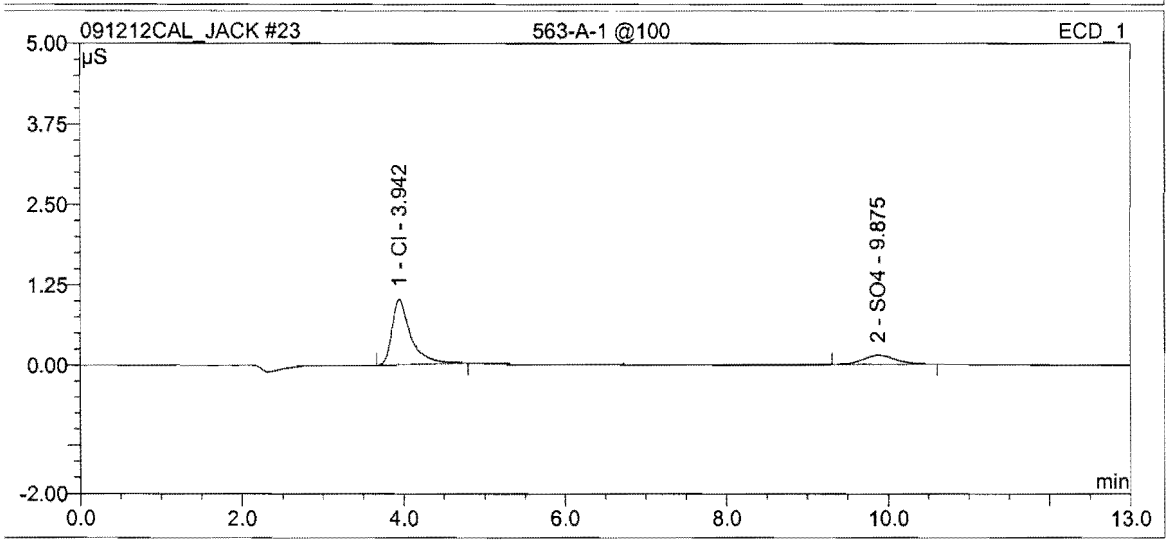
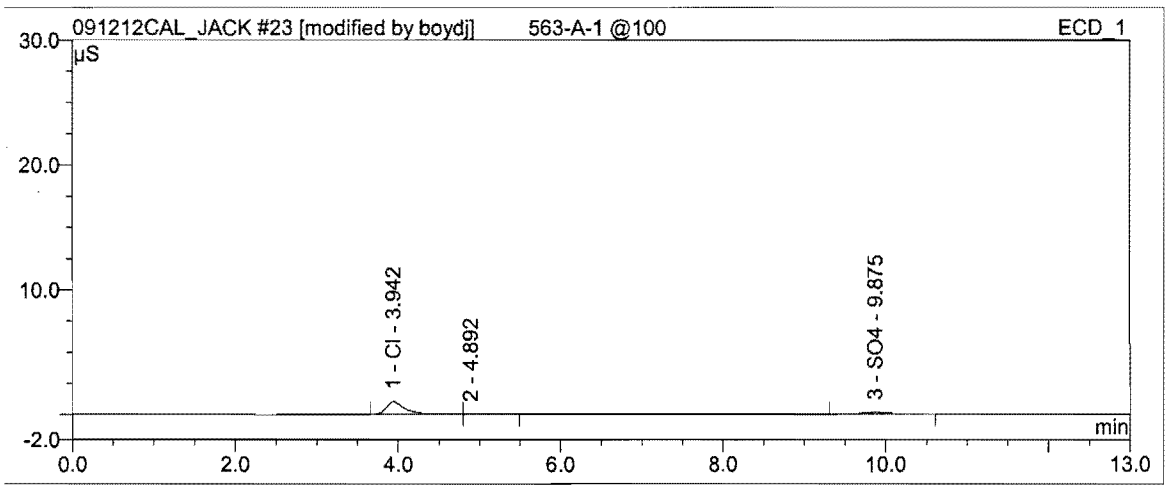


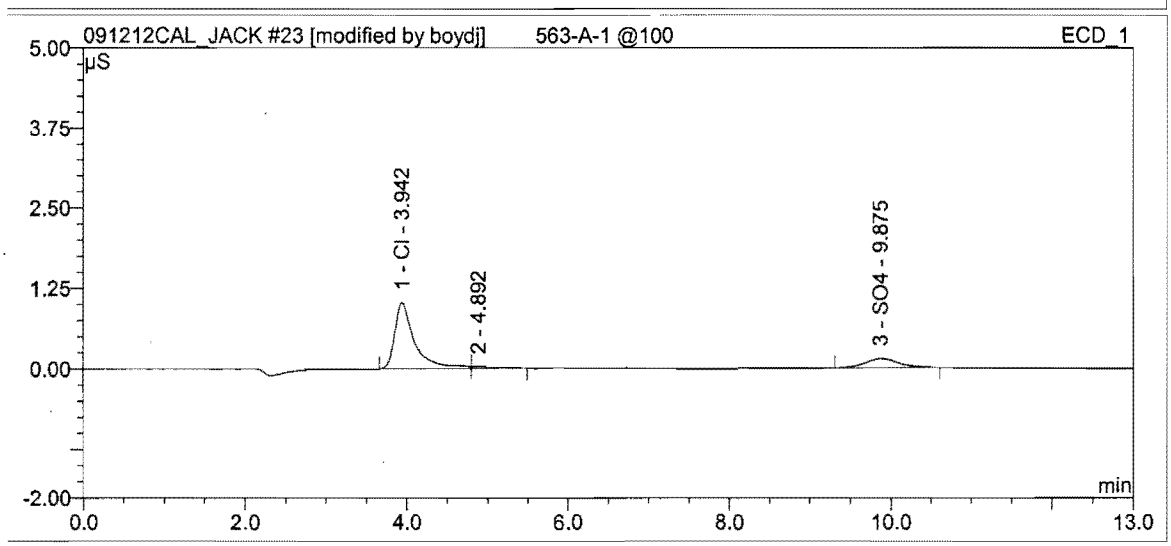


Integration Report - ECD_1

Sample Name:	**563-A-1 @100**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 15:59**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.94	Cl	BM *	0.290	1.023	767.5405
3	9.88	SO4	BMB	0.071	0.146	277.9077
		TOTAL:		0.36	1.17	1045.45

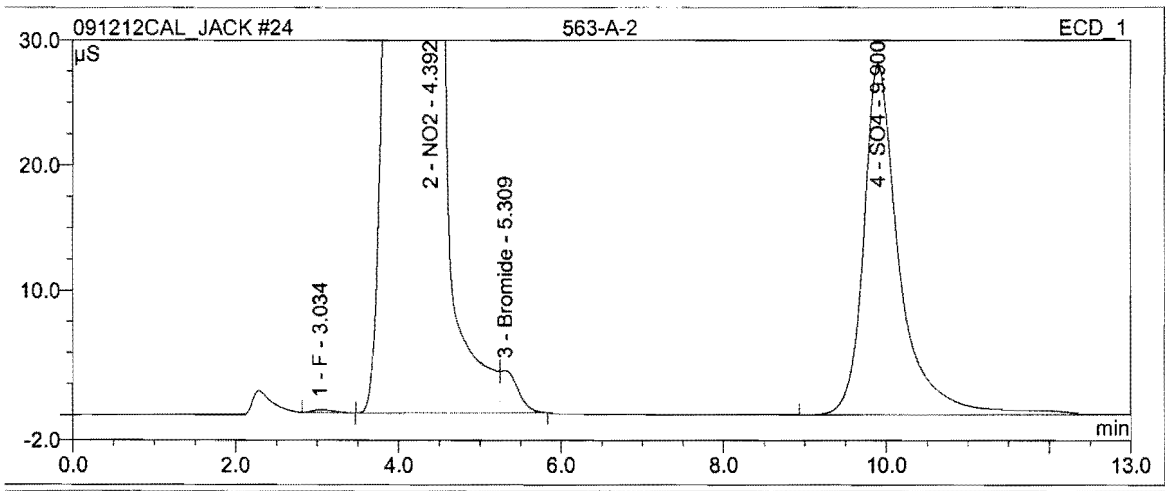


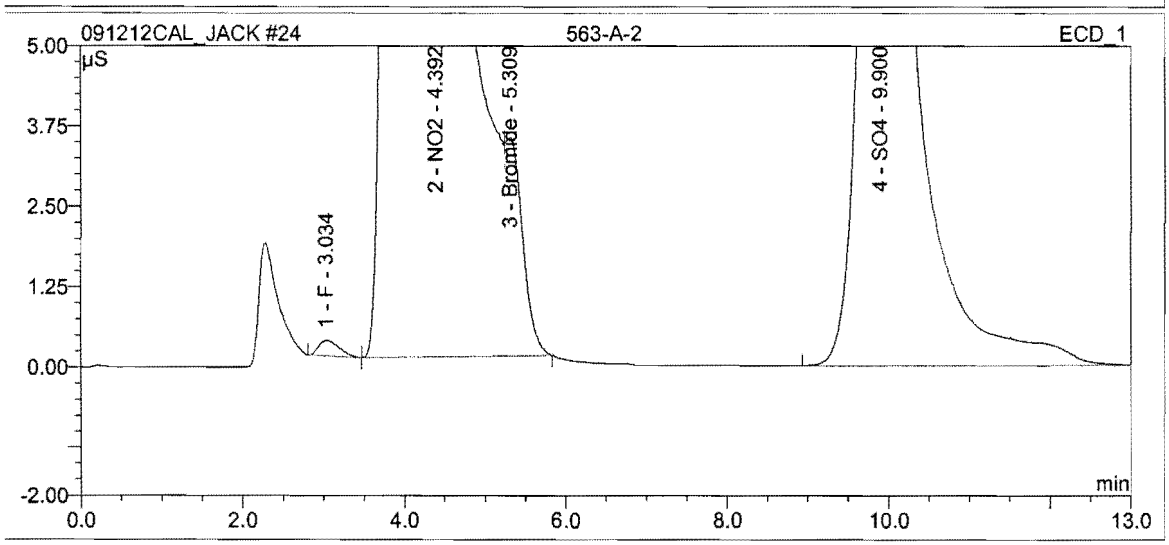


Integration Report - ECD_1

Sample Name:	**563-A-2**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 16:14**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.03	F	BMB	0.071	0.240	151.9553
2	4.39	NO2	BM	117.577	277.959	465105.7504
3	5.31	Bromide	MB	0.852	3.393	6241.5420
4	9.90	SO4	BMB	14.443	28.051	56551.8278
		TOTAL:		132.94	309.64	528051.08





Integration Report - ECD_1

Sample Name:	**563-A-2 @10**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 16:30**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BMB	0.012	0.056	25.2845
2	3.98	Cl	BM	9.107	34.133	24071.3168
3	5.11	Bromide	MB	0.221	0.625	1619.3526
4	9.88	SO4	BMB	1.153	2.167	4515.0363
		TOTAL:		10.49	36.98	30230.99

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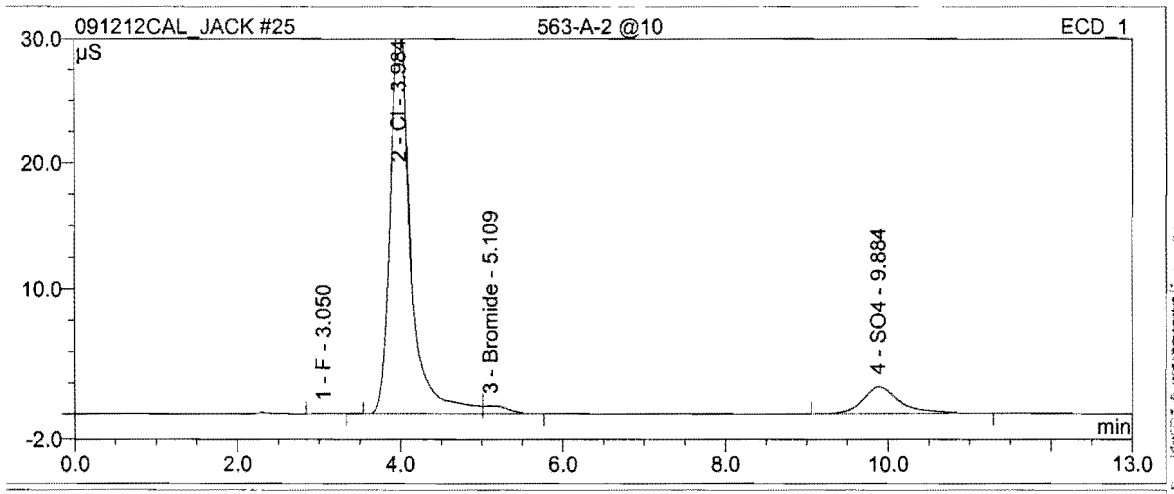
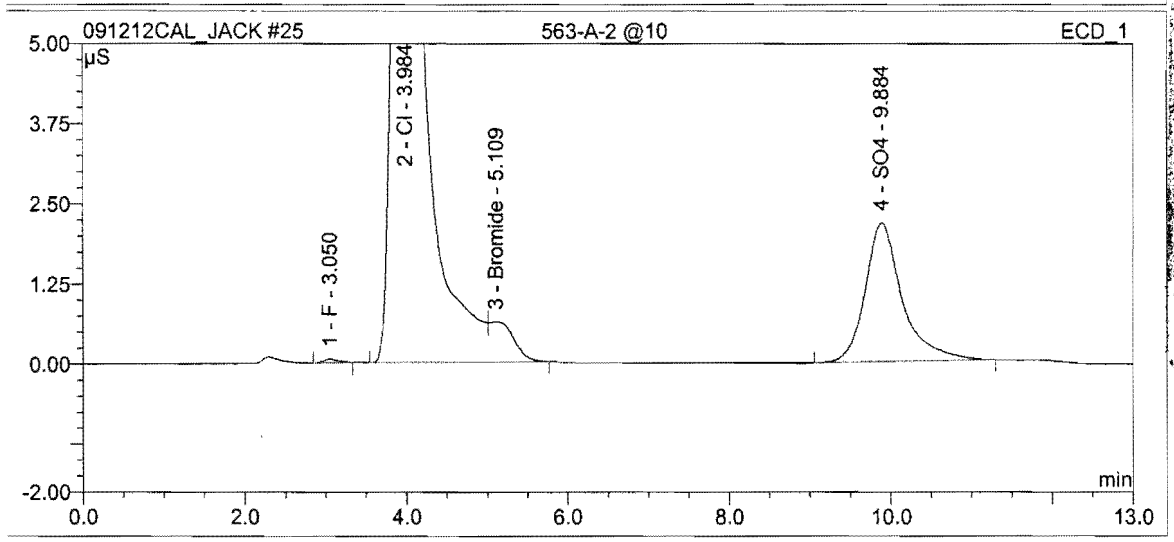


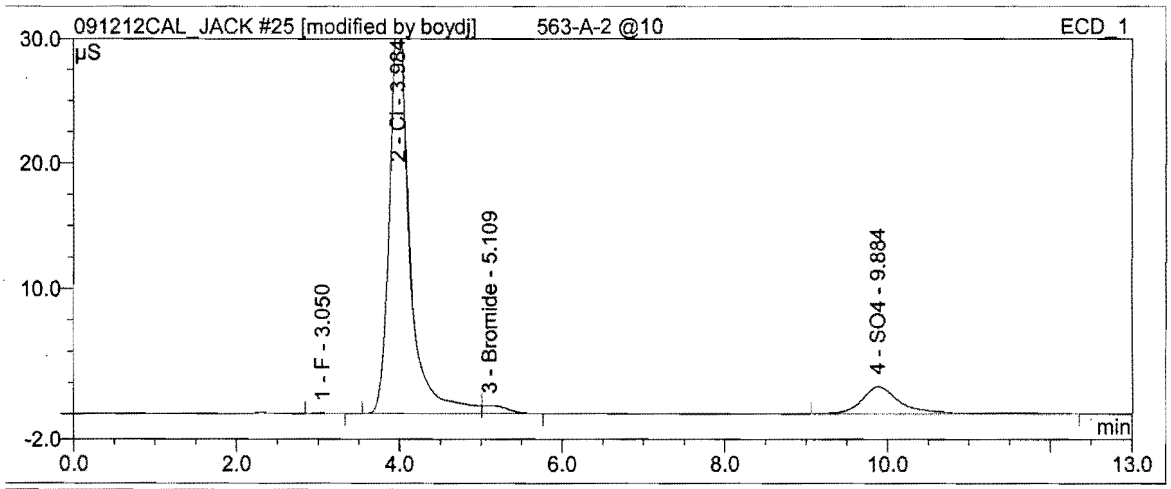


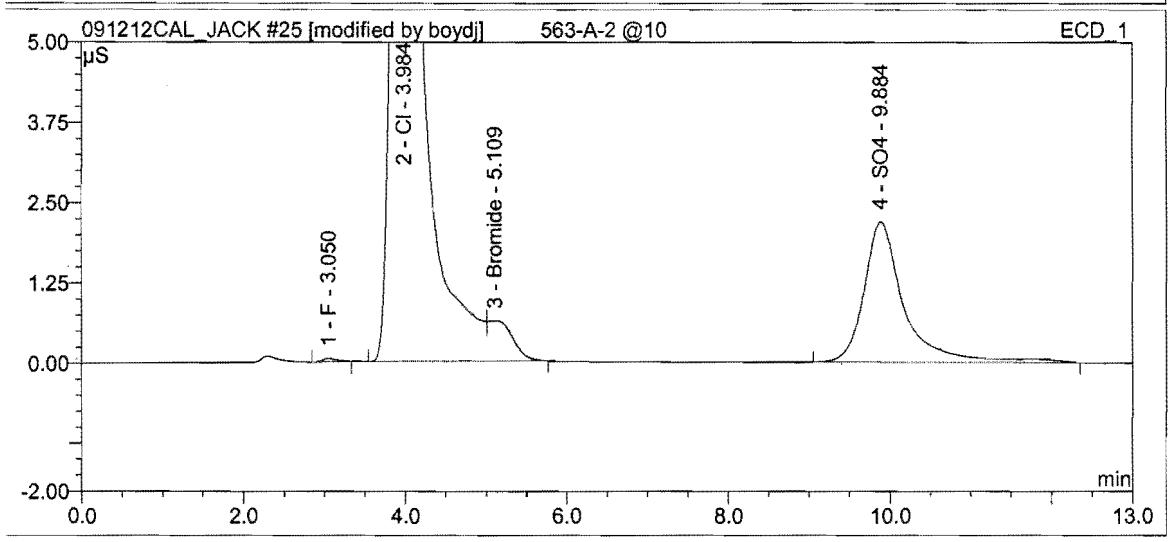
1. Peak Not Found
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Adjustment -504
6. Split Peak
7. Other _____

Integration Report - ECD_1

Sample Name:	**563-A-2 @10**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 16:30**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BMB	0.012	0.056	25.2845
2	3.98	Cl	BM	9.107	34.133	24071.3168
3	5.11	Bromide	MB	0.221	0.625	1619.3526
4	9.88	SO4	BMB*	1.261	2.188	4937.8291
		TOTAL:		10.60	37.00	30653.78

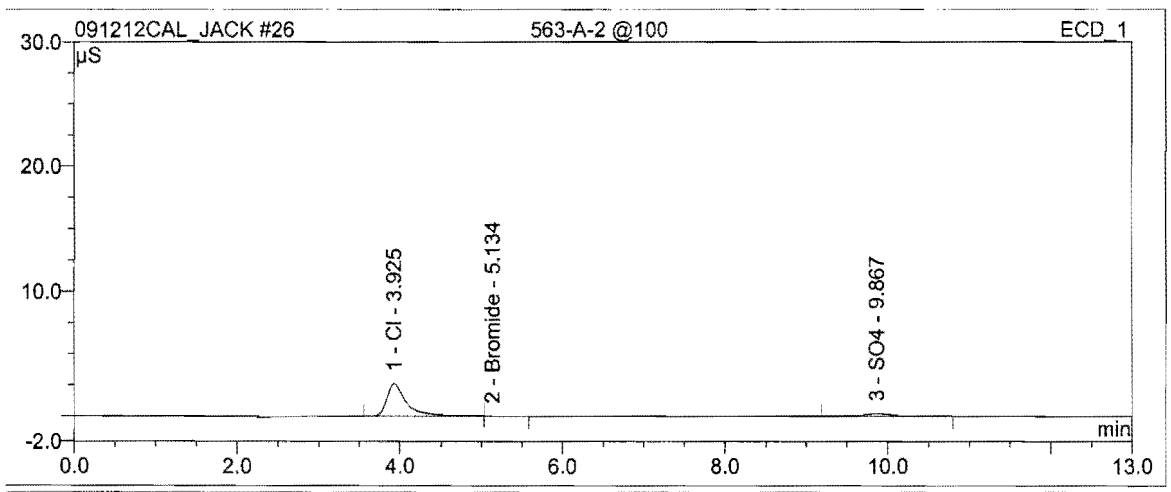


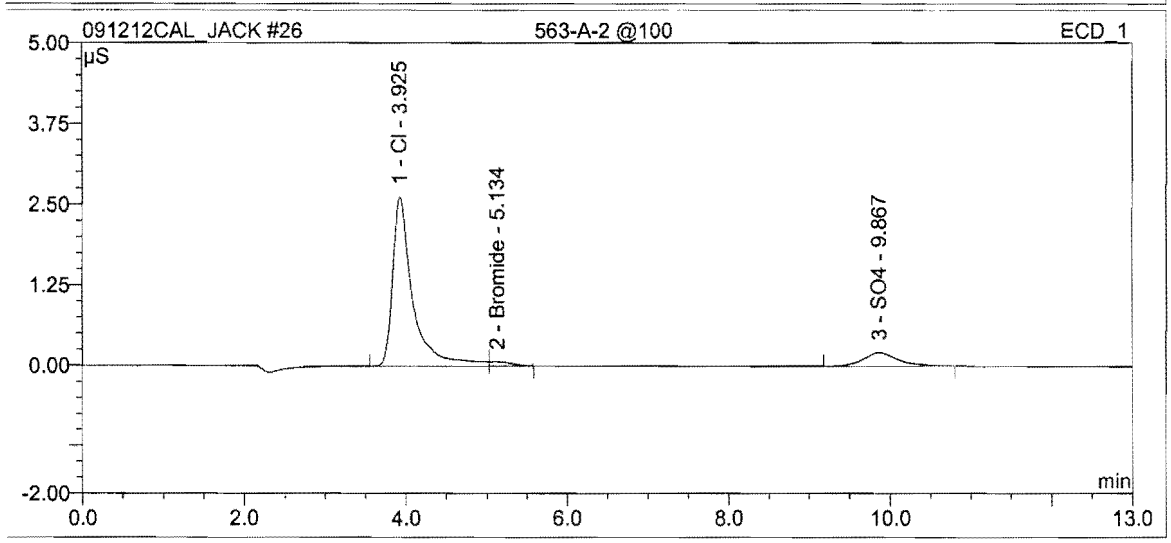


Integration Report - ECD_1

Sample Name:	**563-A-2 @100**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 16:45**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.93	Cl	BM	0.758	2.623	2002.8554
2	5.13	Bromide	MB	0.022	0.069	157.9620
3	9.87	SO4	BMB	0.109	0.214	426.1449
		TOTAL:		0.89	2.91	2586.96

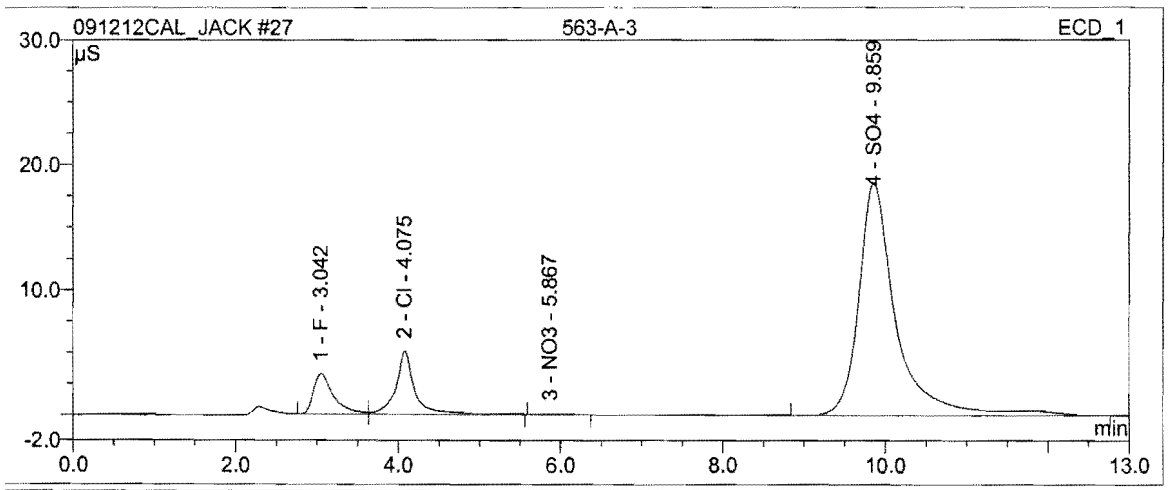


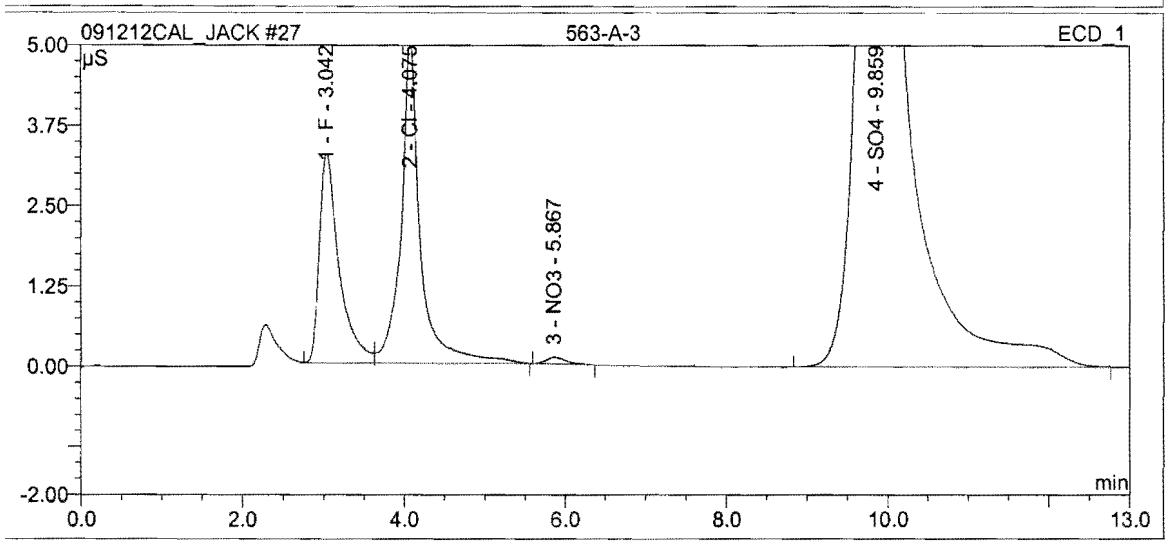


Integration Report - ECD_1

Sample Name:	**563-A-3**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 17:00**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.04	F	BM	0.930	3.248	1978.9516
2	4.08	Cl	MB	1.394	5.077	3683.5616
3	5.87	NO3	BMB	0.031	0.105	34.5639
4	9.86	SO4	BMB	9.901	18.578	38768.3084
		TOTAL:		12.26	27.01	44465.39





Integration Report - ECD_1

Sample Name:	**563-A-3 @10**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 17:16**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.105	0.392	222.8951
2	3.95	Cl	MB	0.129	0.417	341.4140
3	9.89	SO4	BMB	0.806	1.490	3155.1163
		TOTAL:		1.04	2.30	3719.43

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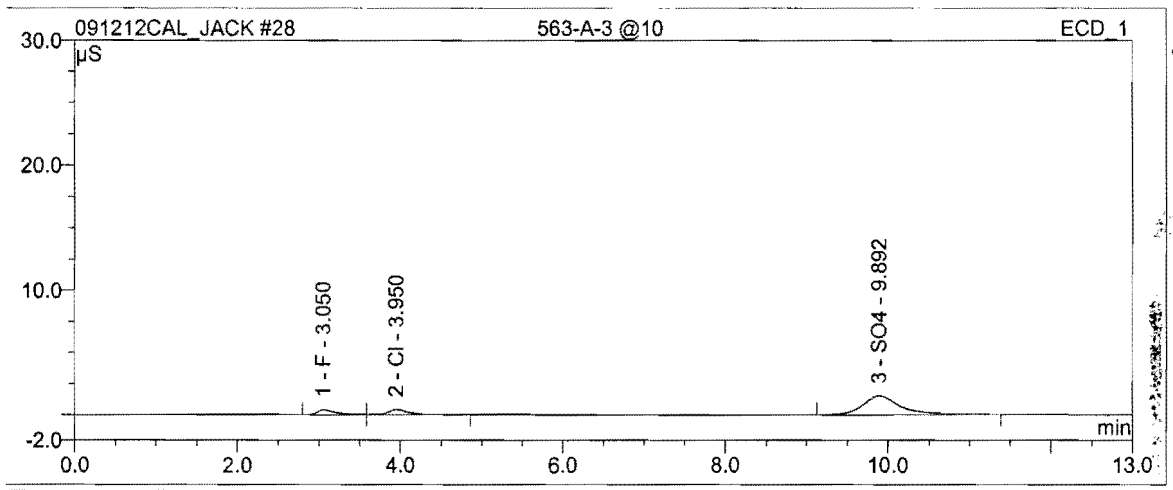
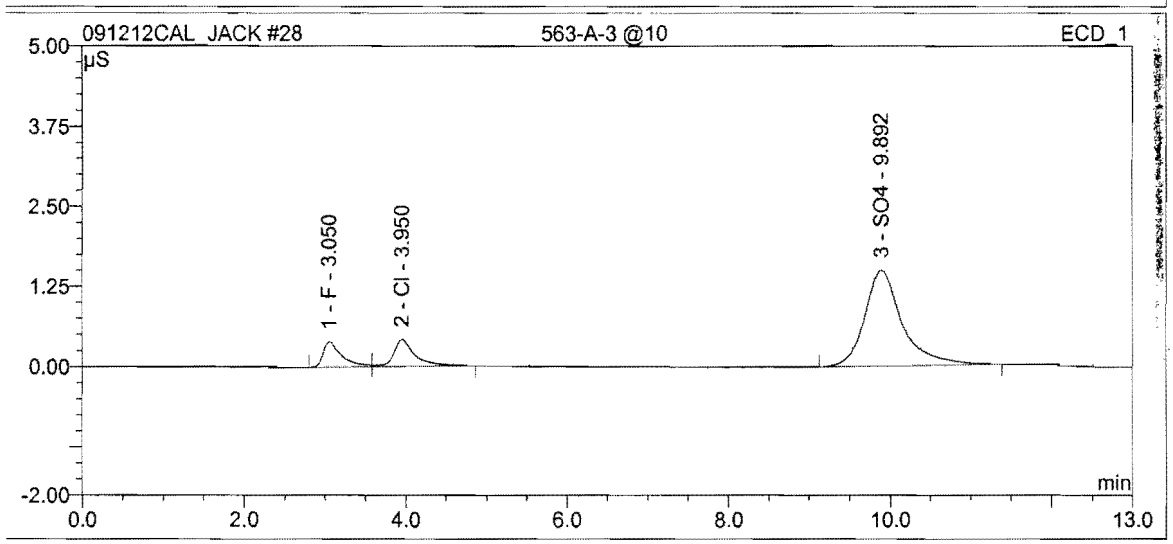
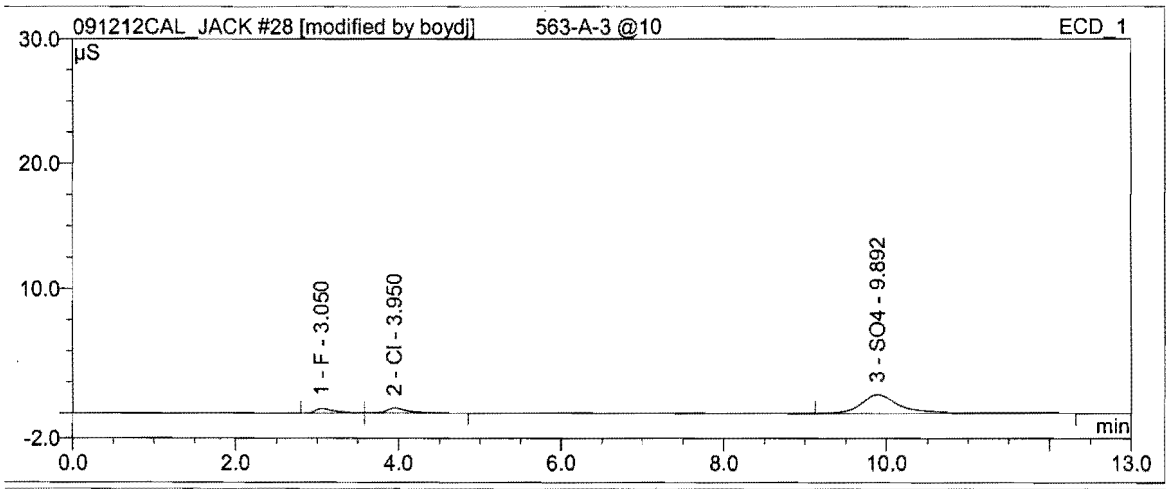


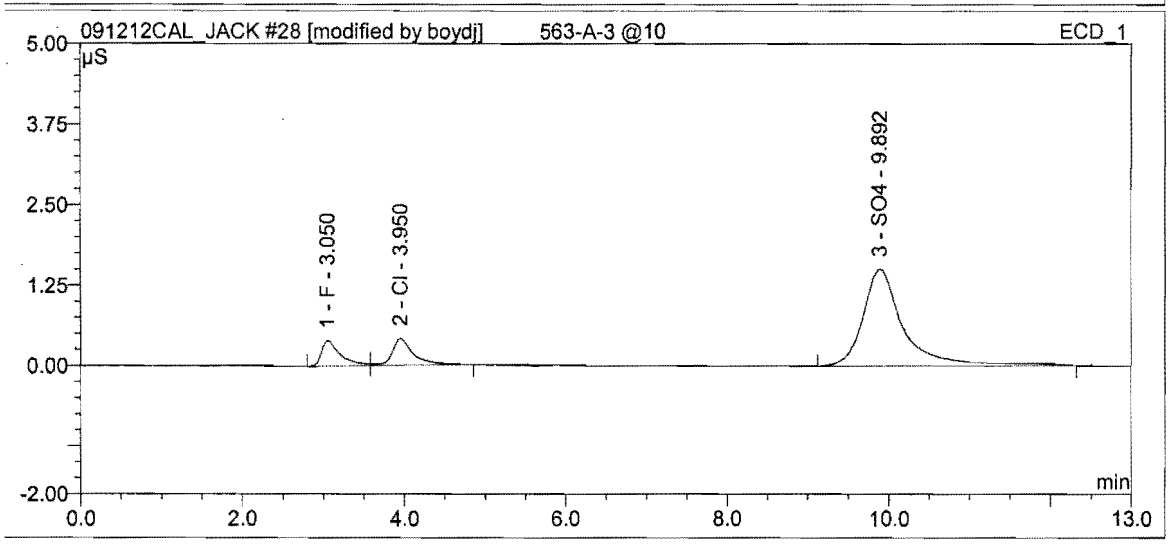


Integration Report - ECD_1

Sample Name:	**563-A-3 @10**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 17:16**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.105	0.392	222.8951
2	3.95	Cl	MB	0.129	0.417	341.4140
3	9.89	SO4	BMB*	0.877	1.503	3435.5160
			TOTAL:	1.11	2.31	3999.83





Integration Report - ECD_1

Sample Name:	**563-A-3 MS**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 17:31**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	1.965	6.760	4183.6566
2	4.08	Cl	M	2.155	8.104	5696.4100
3	5.28	Bromide	M	0.280	0.944	2053.0925
4	5.86	NO3	MB	0.339	0.987	380.3438
5	8.26	OPO4	BM	0.325	0.557	3487.4594
6	9.86	SO4	MB	10.969	20.692	42948.5605
		TOTAL:		16.03	38.04	58749.52

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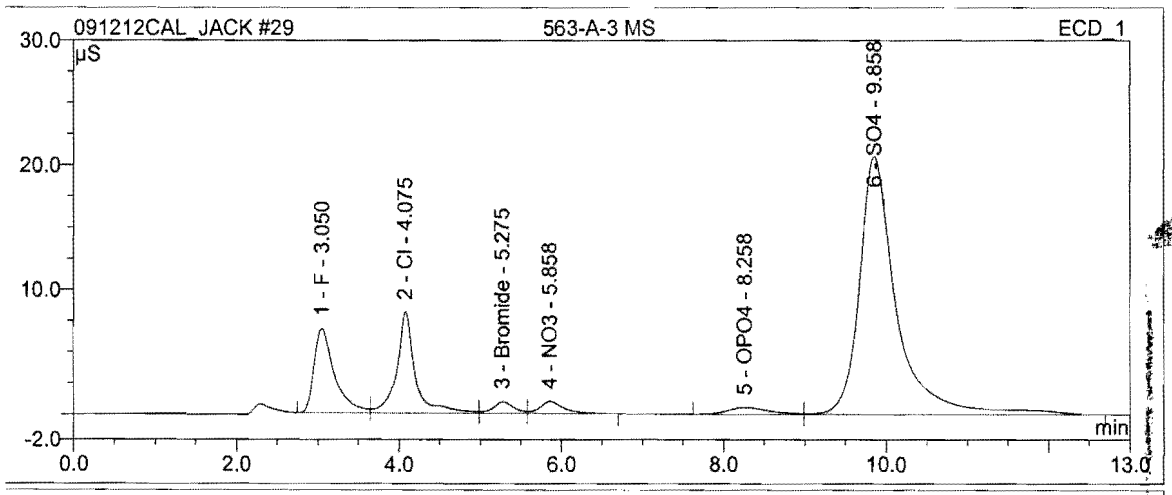
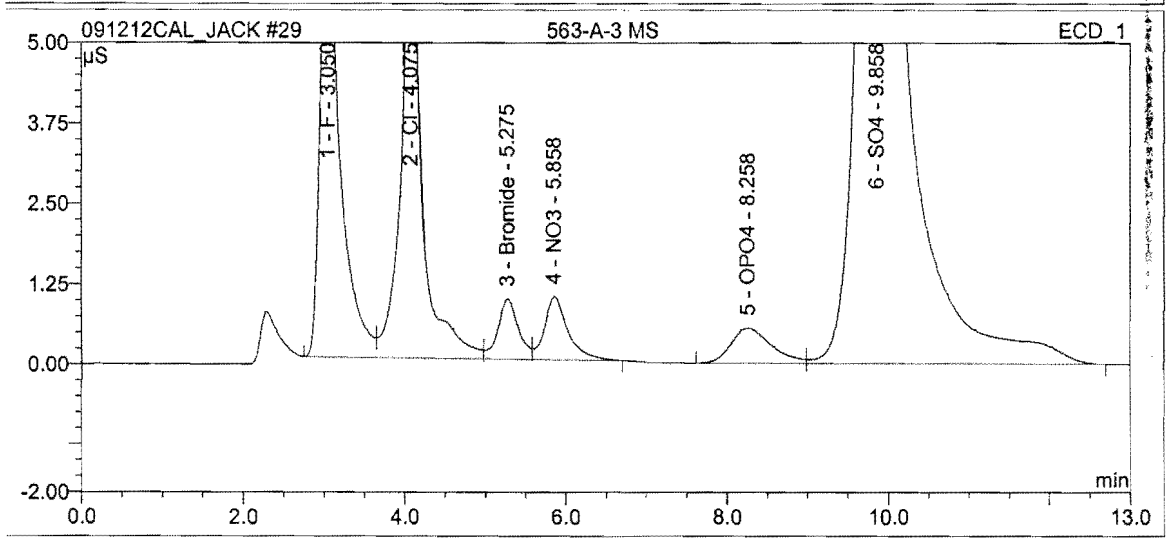
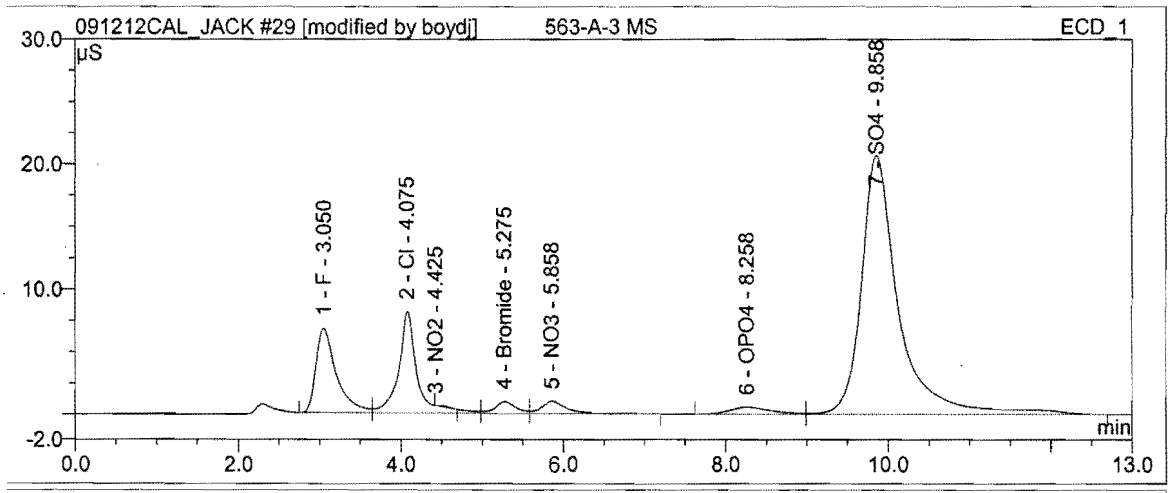


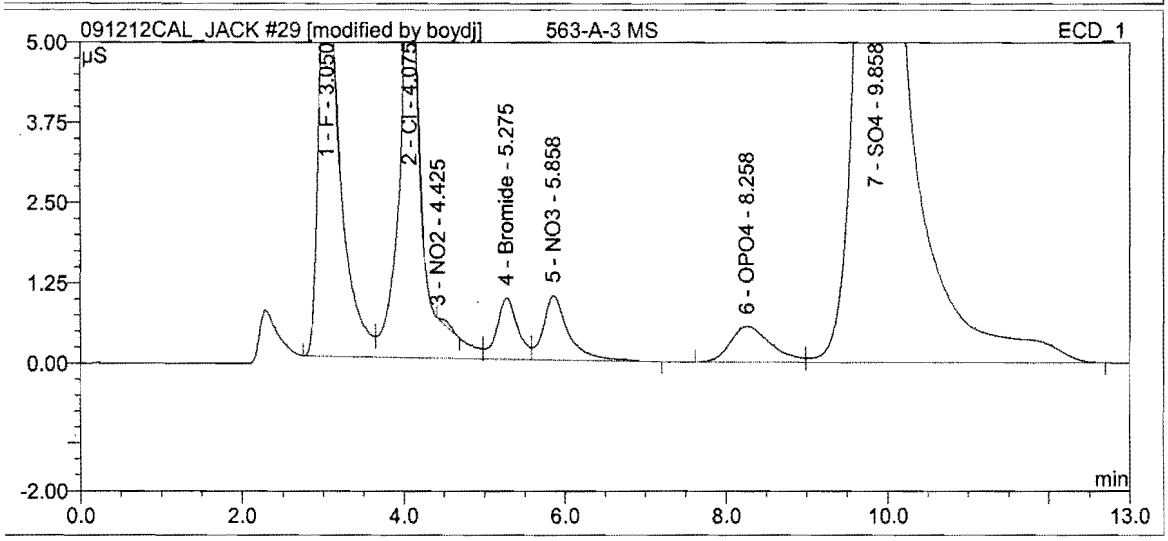


Integration Report - ECD_1

Sample Name:	**563-A-3 MS**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 17:31**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM *	1.968	6.761	4188.8044
2	4.08	Cl	M *	2.157	8.112	5700.6131
3	4.43	NO2	Rd*	0.011	0.003	43.0618
4	5.28	Bromide	M *	0.289	0.959	2119.5904
5	5.86	NO3	MB*	0.367	1.006	411.1306
6	8.26	OPO4	BM	0.325	0.557	3487.4594
7	9.86	SO4	MB	10.969	20.692	42948.5605
		TOTAL:		16.08	38.09	58899.22





Integration Report - ECD_1

Sample Name:	**563-A-3 MS @10**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 17:47**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.04	F	BM	1.040	3.964	2214.7385
2	3.94	Cl	M	0.898	2.801	2374.6292
3	4.43	NO2	Rd	0.007	0.057	28.2887
4	5.23	Bromide	M	0.264	0.826	1932.6884
5	5.83	NO3	MB	0.334	0.827	375.0058
6	8.06	OPO4	BMB	0.385	0.786	4134.4999
7	9.88	SO4	BMB	1.642	3.118	6429.4258
		TOTAL:		4.57	12.38	17489.28

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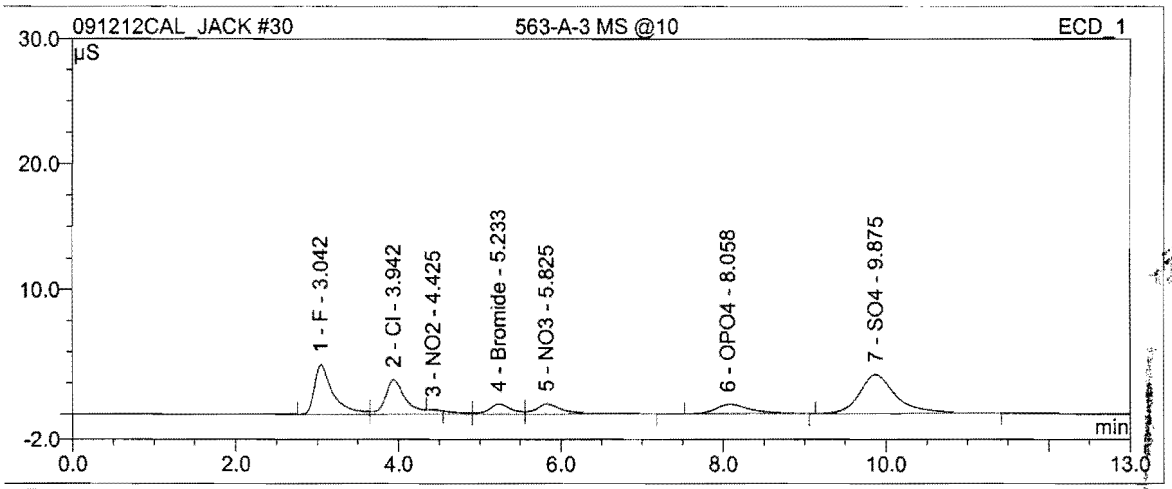
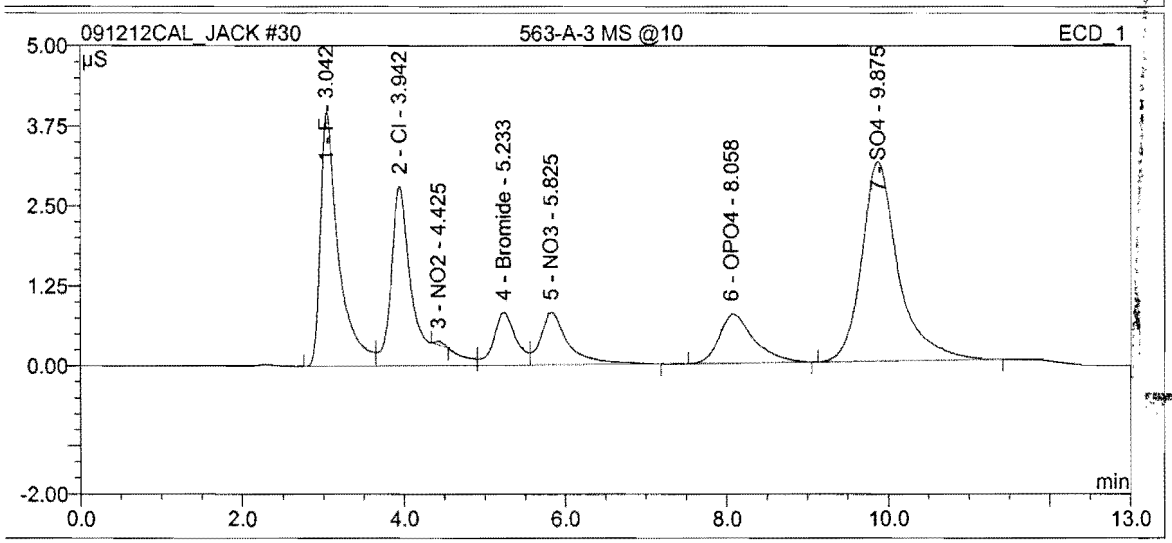
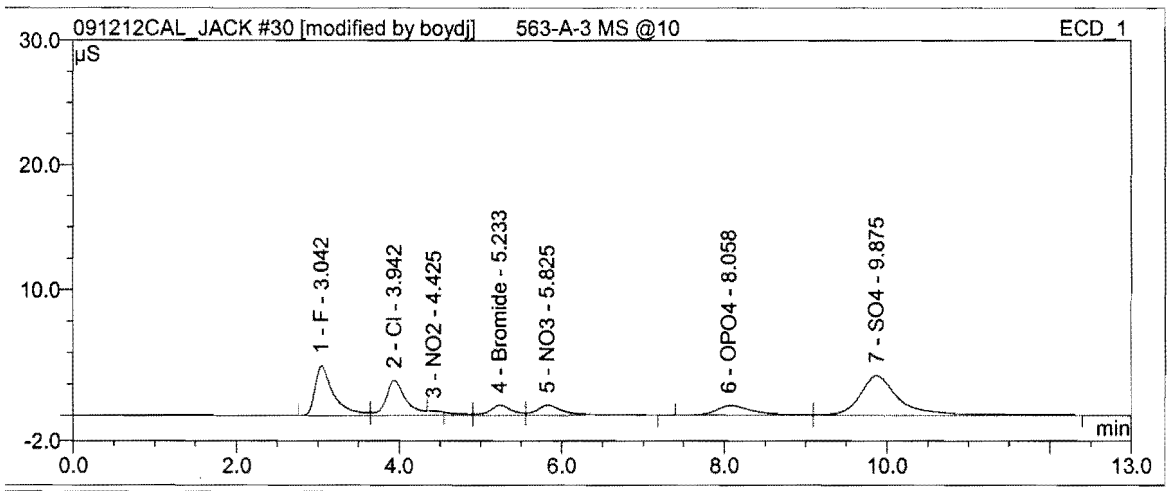


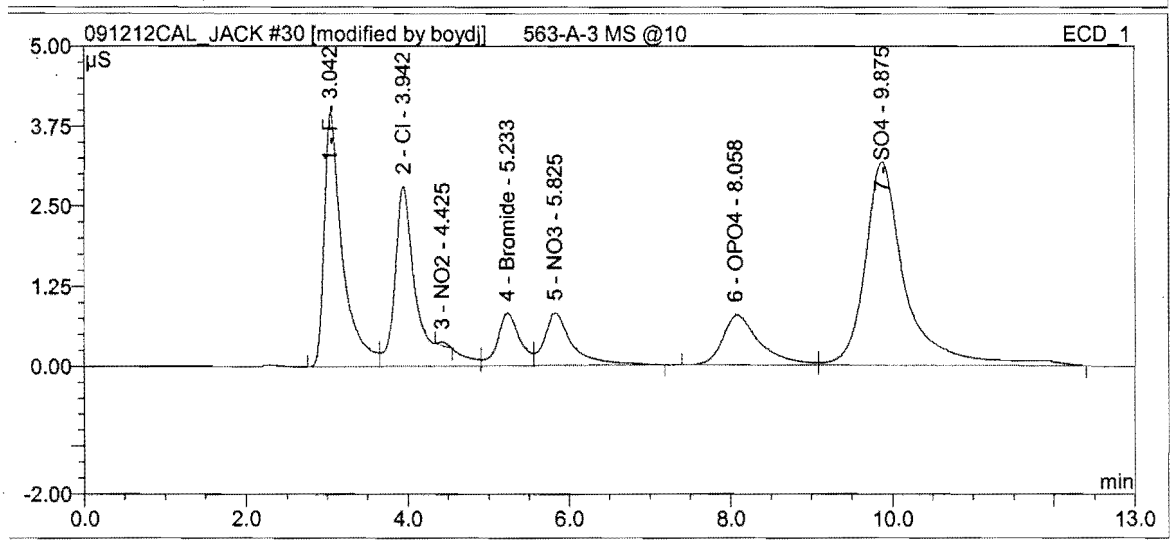


Integration Report - ECD_1

Sample Name:	**563-A-3 MS @10**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 17:47**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.04	F	BM	1.040	3.964	2214.7385
2	3.94	Cl	M	0.898	2.801	2374.6292
3	4.43	NO2	Rd	0.007	0.057	28.2887
4	5.23	Bromide	M	0.264	0.826	1932.6884
5	5.83	NO3	MB	0.334	0.827	375.0058
6	8.06	OPO4	BM *	0.416	0.801	4466.6909
7	9.88	SO4	MB*	1.837	3.171	7191.5723
		TOTAL:		4.80	12.45	18583.61





Integration Report - ECD_1

Sample Name:	**CCV**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 18:02**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.463	1.748	984.7633
2	3.94	Cl	M	0.761	2.315	2011.0715
3	4.44	NO2	Rd	0.025	0.158	99.8178
4	5.24	Bromide	M	0.261	0.822	1911.3283
5	5.83	NO3	MB	0.331	0.822	371.5401
6	8.07	OPO4	BM	0.688	1.440	7390.4084
7	9.88	SO4	MB	1.744	3.295	6829.5136
		TOTAL:		4.27	10.60	19598.44

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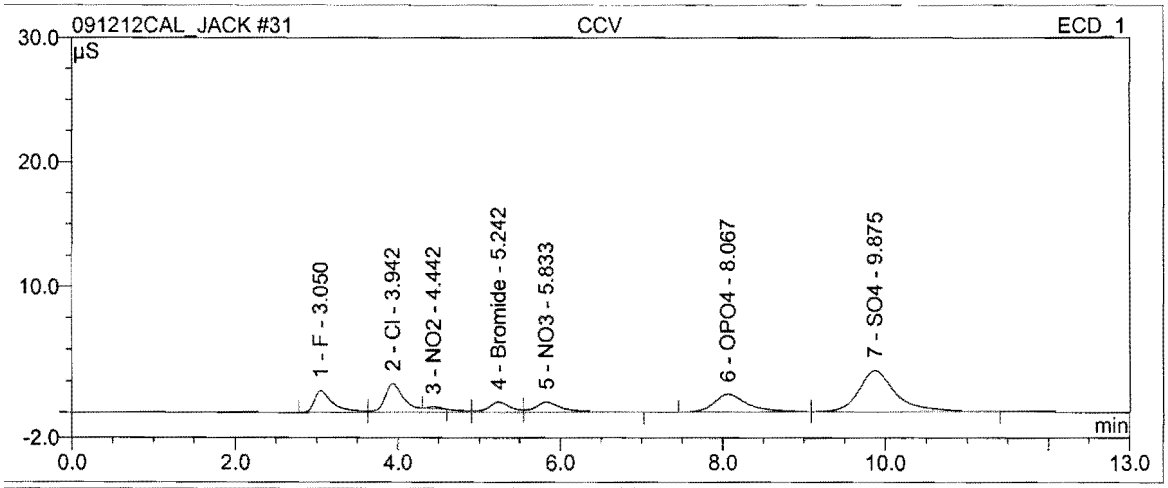
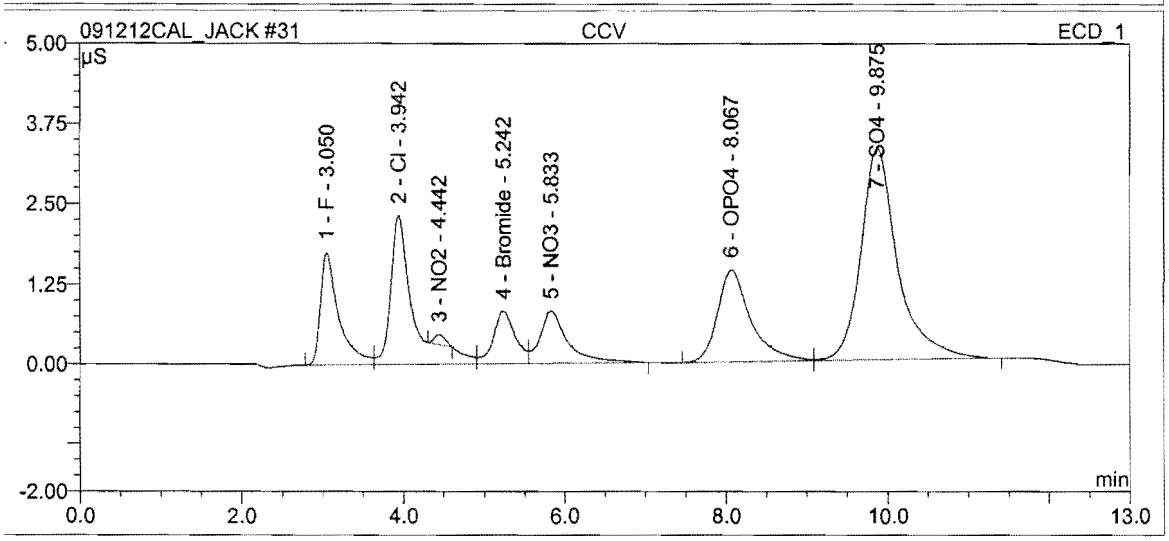
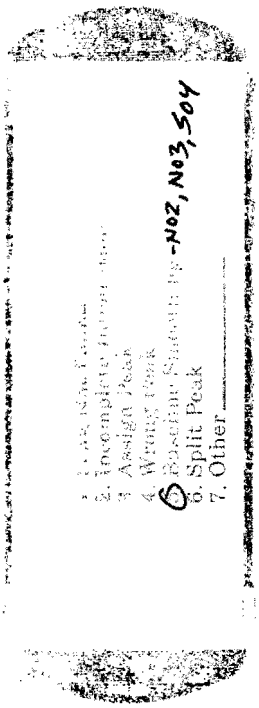


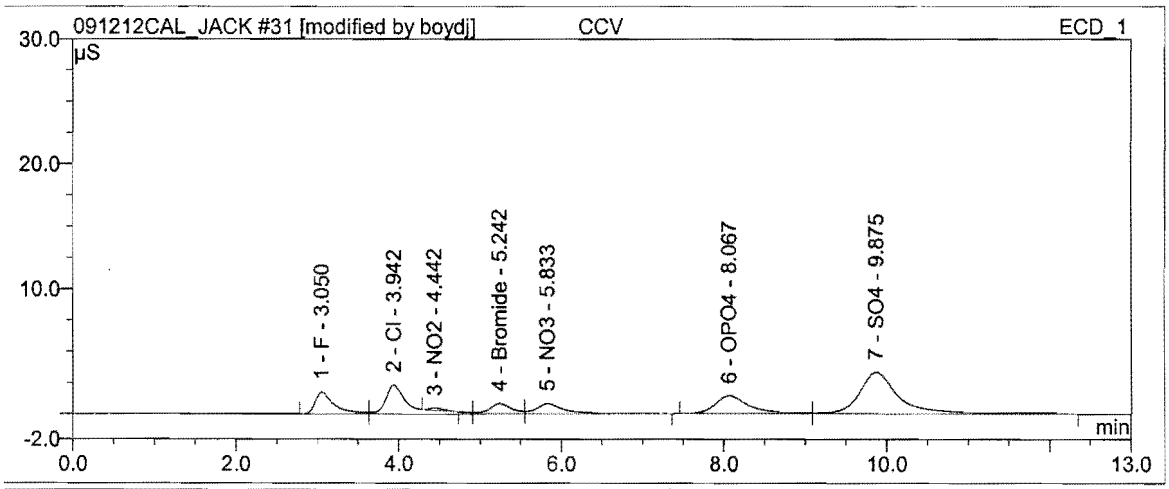


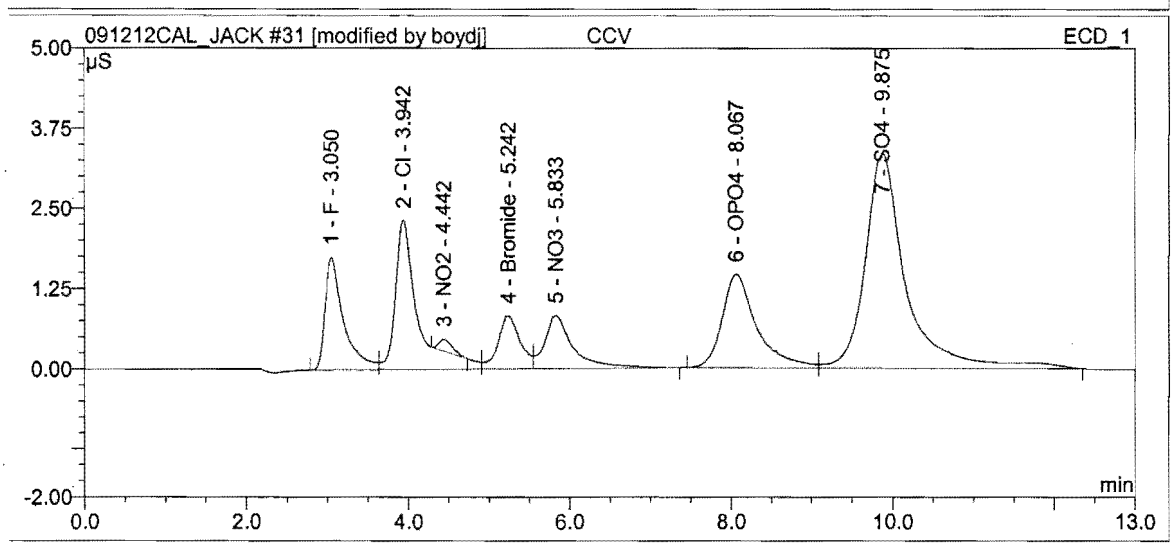


Integration Report - ECD_1

Sample Name:	**CCV**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 18:02**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM *	0.463	1.748	985.7892
2	3.94	Cl	M *	0.751	2.316	1985.4006
3	4.44	NO2	Rd*	0.037	0.187	148.2440
4	5.24	Bromide	M *	0.263	0.825	1926.6587
5	5.83	NO3	MB*	0.339	0.826	380.4550
6	8.07	OPO4	BM *	0.719	1.454	7718.4530
7	9.88	SO4	MB*	1.951	3.351	7640.8567
		TOTAL:		4.52	10.71	20785.86

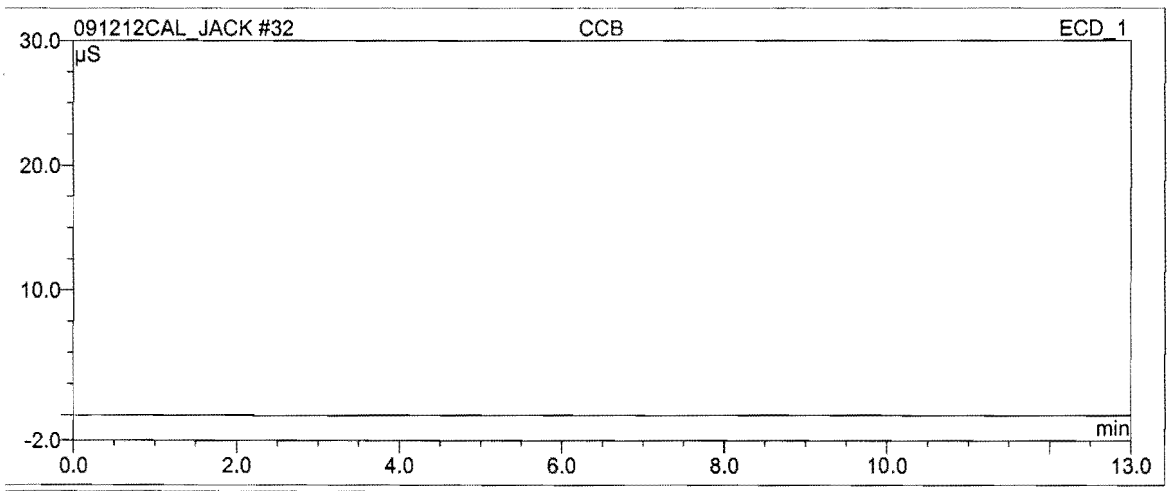


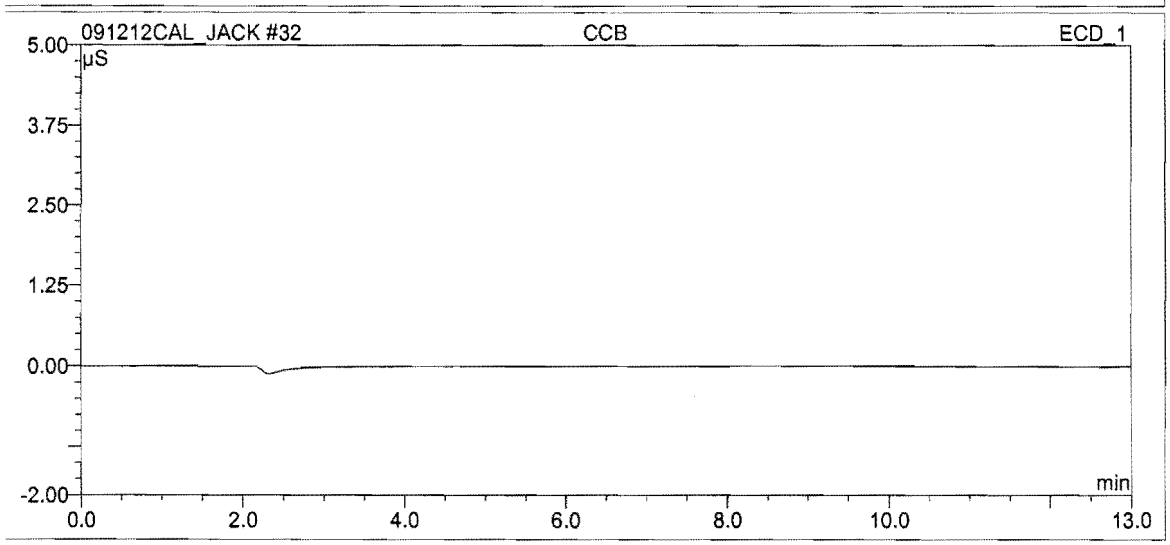


Integration Report - ECD_1

Sample Name:	**CCB**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 18:17**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
			TOTAL:	0.00	0.00	0.00

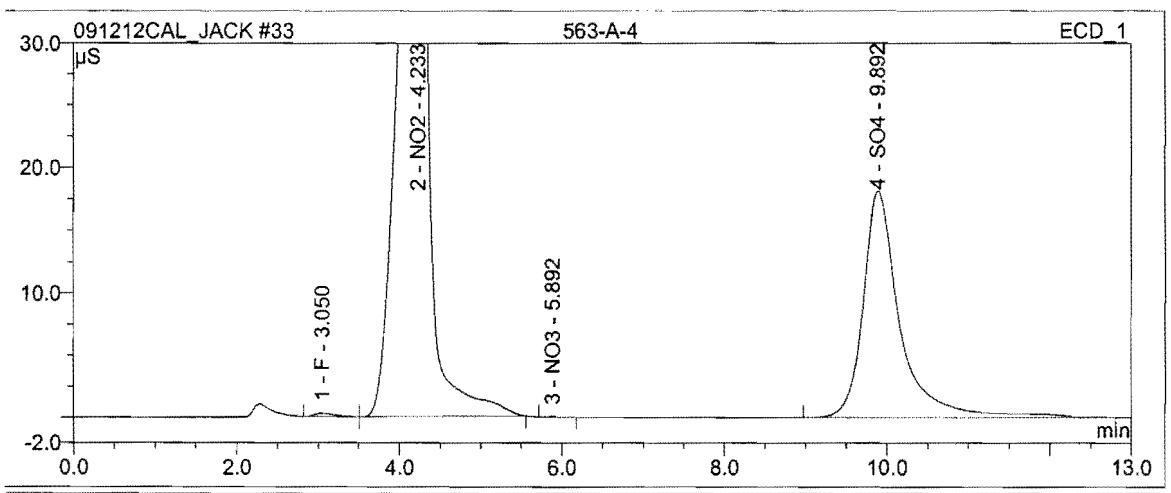


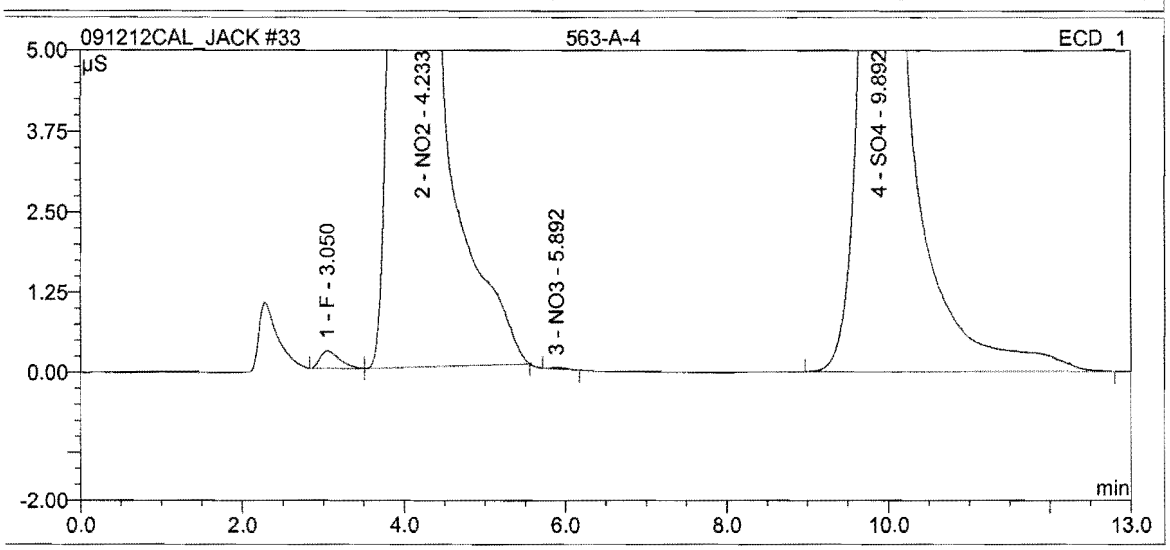


Integration Report - ECD_1

Sample Name:	**563-A-4**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 18:33**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BMb	0.076	0.275	161.9355
2	4.23	NO2	bMB	30.853	112.192	122047.6339
3	5.89	NO3	BMB	0.005	0.026	5.7440
4	9.89	SO4	BMB	9.530	18.139	37316.3185
		TOTAL:		40.46	130.63	159531.63

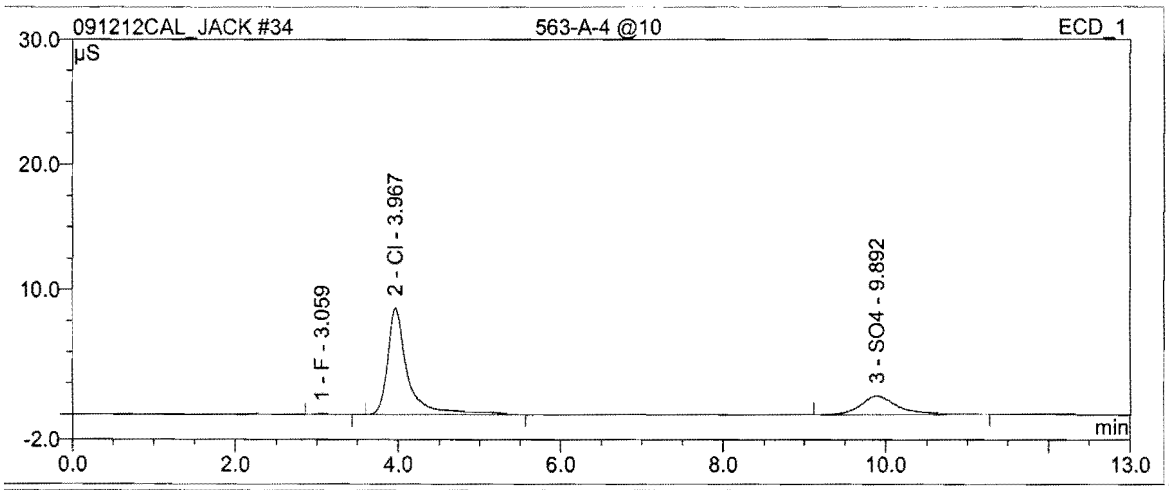


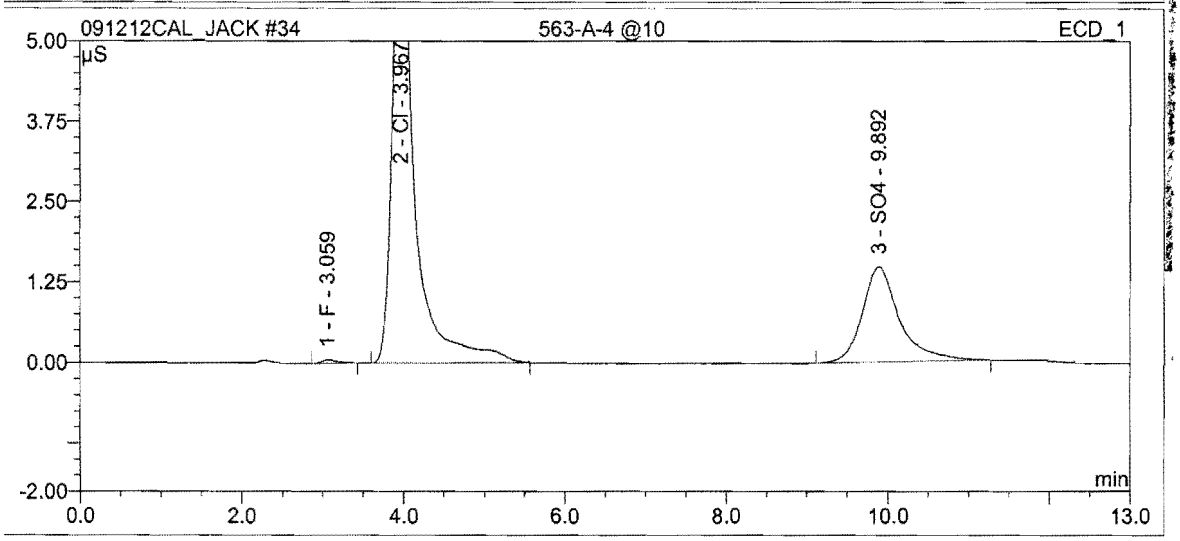


Integration Report - ECD_1

Sample Name:	**563-A-4 @10**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 18:48**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.06	F	BMB	0.012	0.053	26.3951
2	3.97	Cl	BMB	2.417	8.550	6389.4697
3	9.89	SO4	BMB	0.789	1.478	3090.1353
		TOTAL:		3.22	10.08	9506.00





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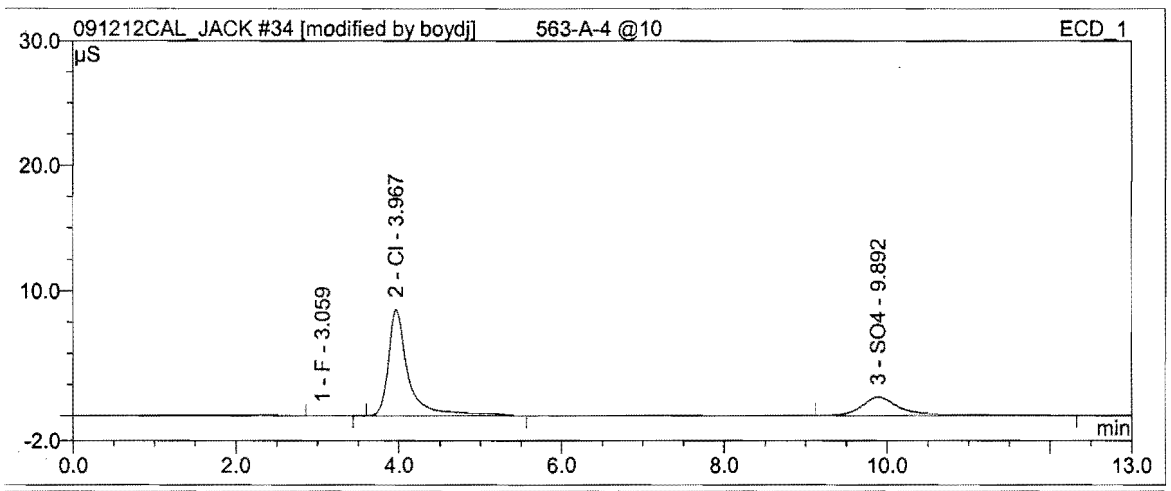
1. Peak Not Found
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing
6. Split Peak
7. Other

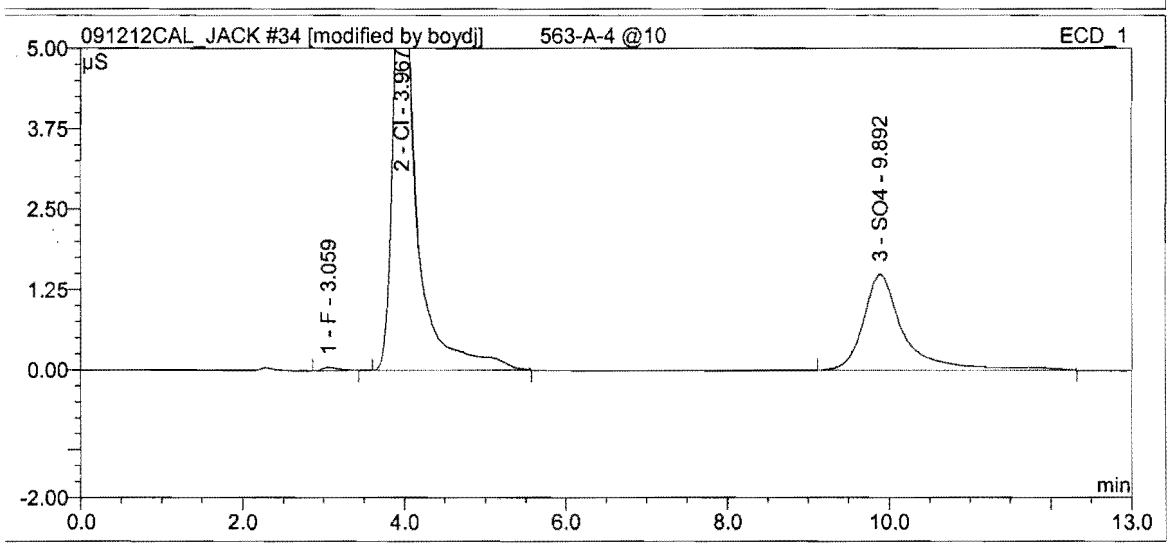
0

Integration Report - ECD_1

Sample Name:	**563-A-4 @10**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 18:48**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.06	F	BMB	0.012	0.053	26.3951
2	3.97	Cl	BMB	2.417	8.550	6389.4697
3	9.89	SO4	BMB*	0.879	1.495	3442.8346
		TOTAL:		3.31	10.10	9858.70





Integration Report - ECD_1

Sample Name:	**563-A-4 @50**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 19:04**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.94	Cl	BMB	0.408	1.483	1078.3925
2	9.83	SO4	BMB	0.142	0.291	556.0052
		TOTAL:		0.55	1.77	1634.40

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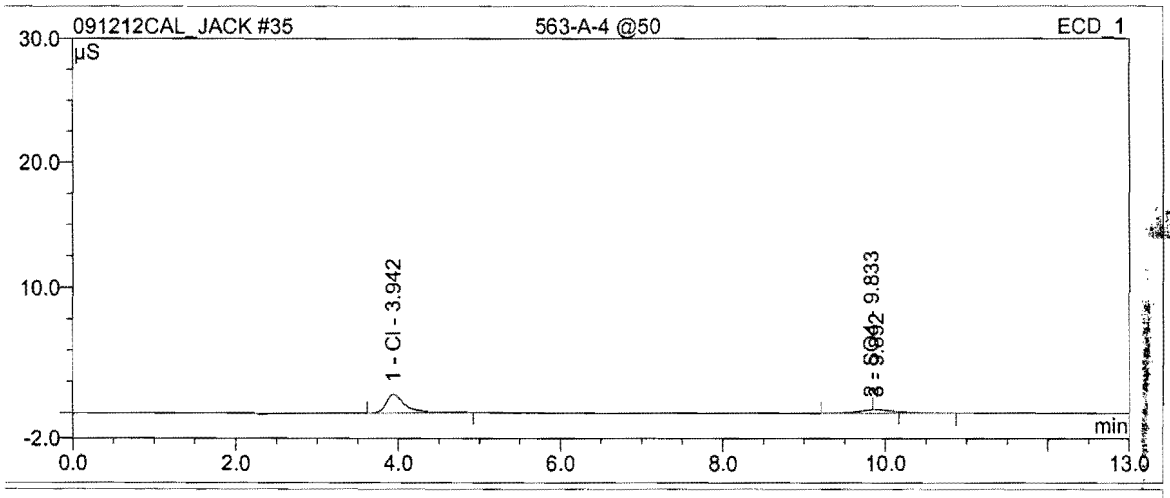
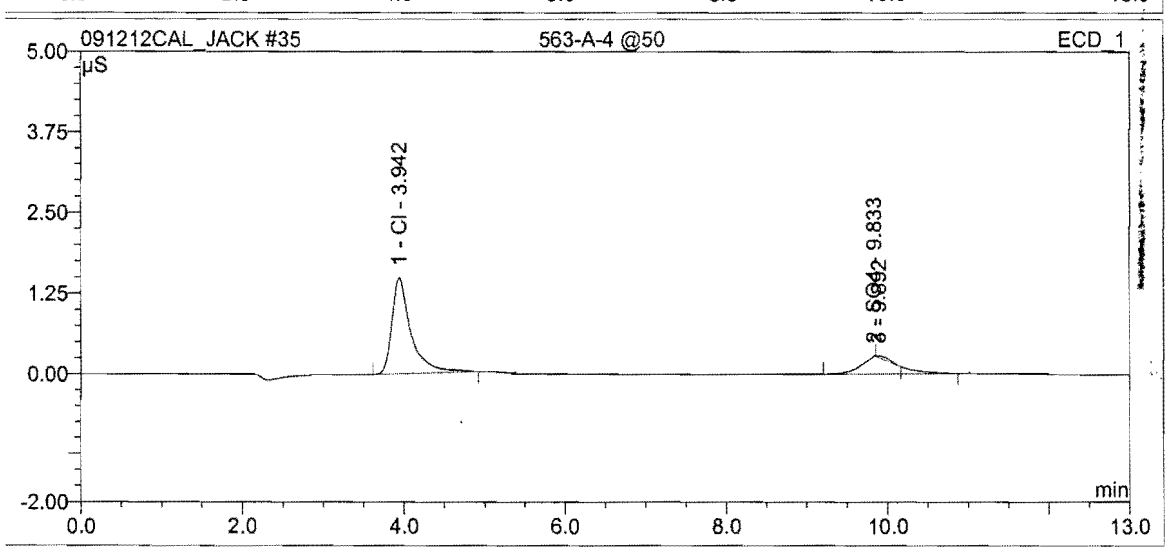


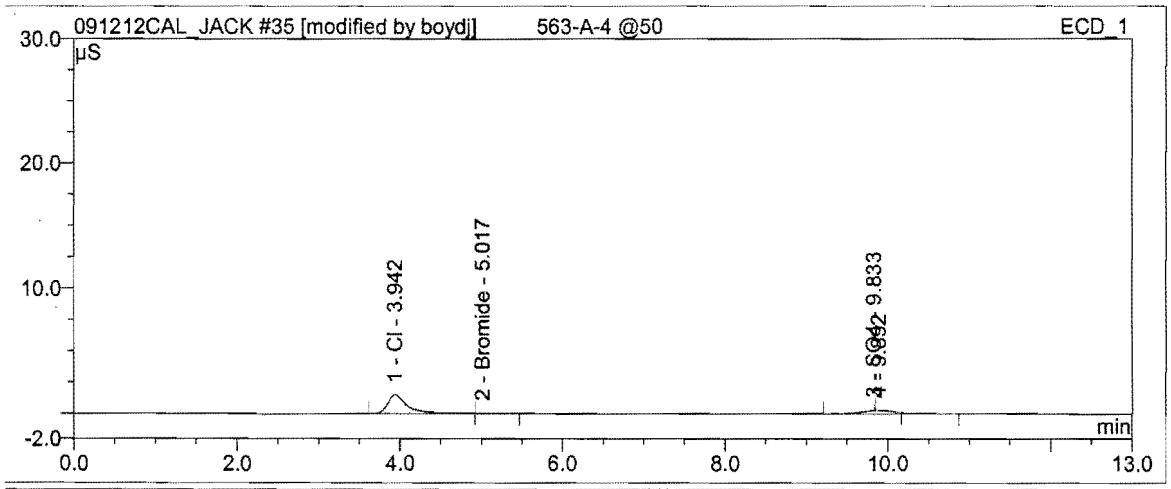


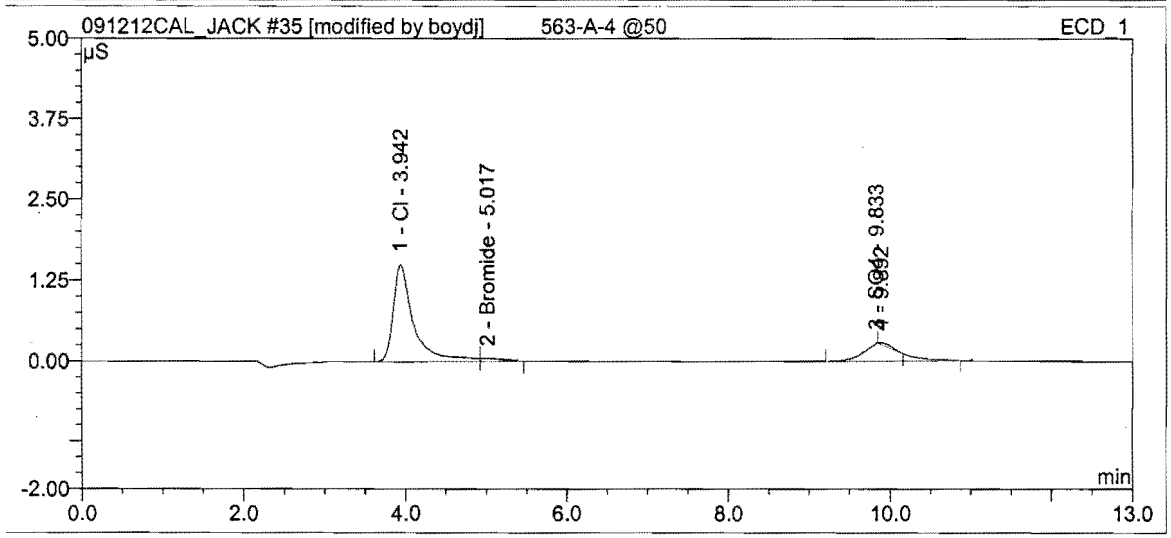
1. Incorrect Peak Pattern
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Shift/Jump
6. Split Peak
7. Other

Integration Report - ECD_1

Sample Name:	**563-A-4 @50**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 19:04**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.94	Cl	BM *	0.436	1.494	1152.8348
2	5.02	Bromide	MB*	0.016	0.047	115.8567
3	9.83	SO4	BMB	0.142	0.291	556.0052
		TOTAL:		0.59	1.83	1824.70





Integration Report - ECD_1

Sample Name:	**563-A-4 MS**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 19:19**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.784	2.562	1668.2759
2	4.24	NO2	M	31.255	114.225	123638.6387
3	5.30	Bromide	M	0.456	1.525	3343.4454
4	5.91	NO3	MB	0.319	0.939	357.5054
5	8.18	OPO4	BM	0.141	0.253	1515.8824
6	9.90	SO4	MB	10.535	20.151	41250.3010
		TOTAL:		43.49	139.65	171774.05

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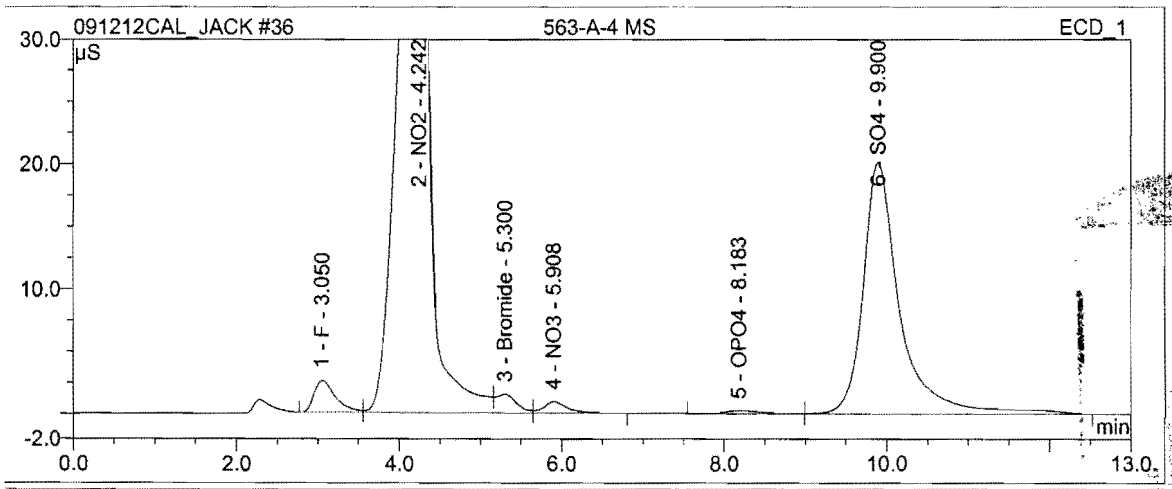
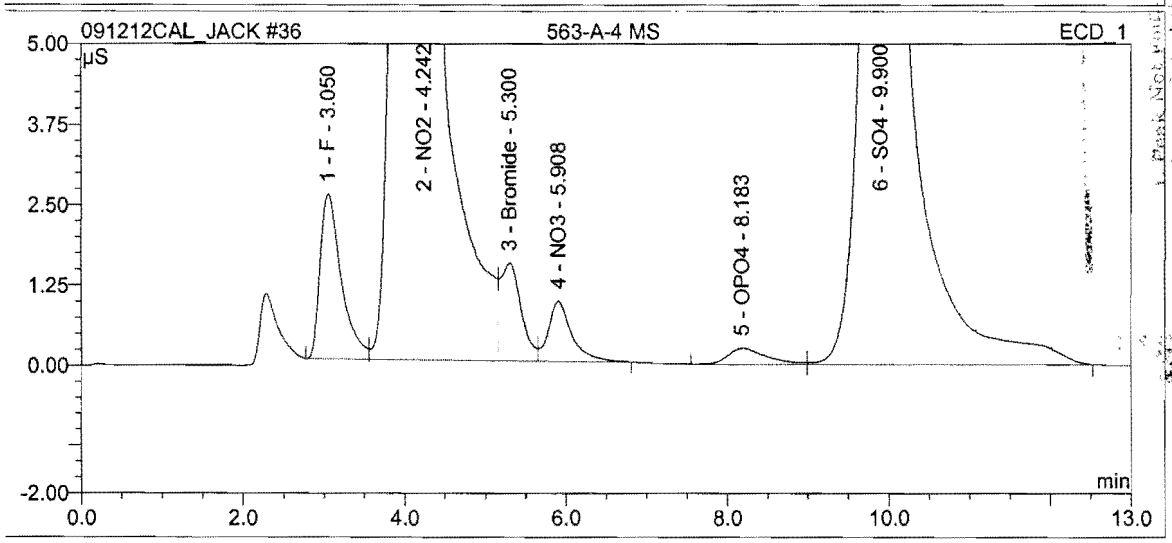




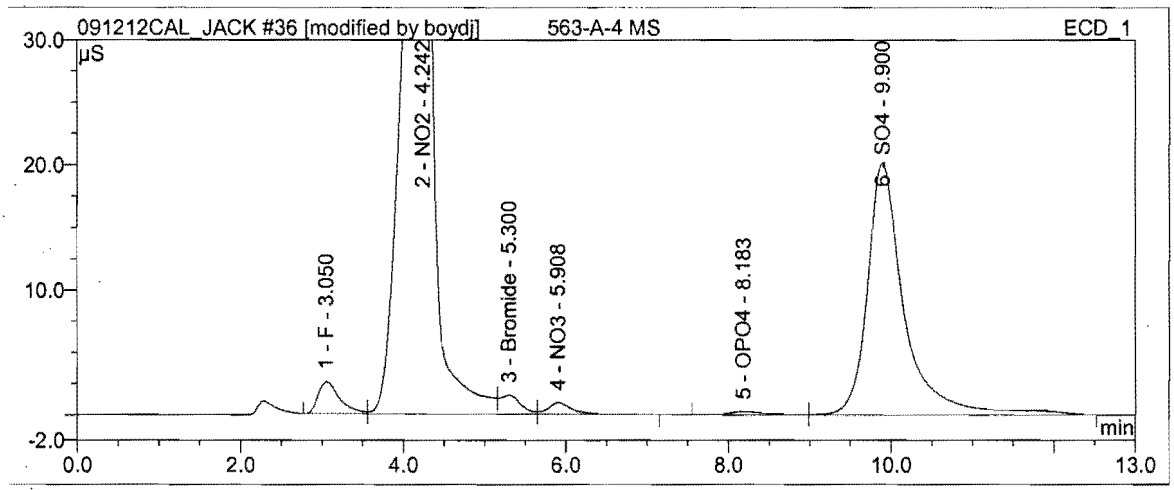
1. Peak Not Found
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Problem
6. Split Peak
7. Other

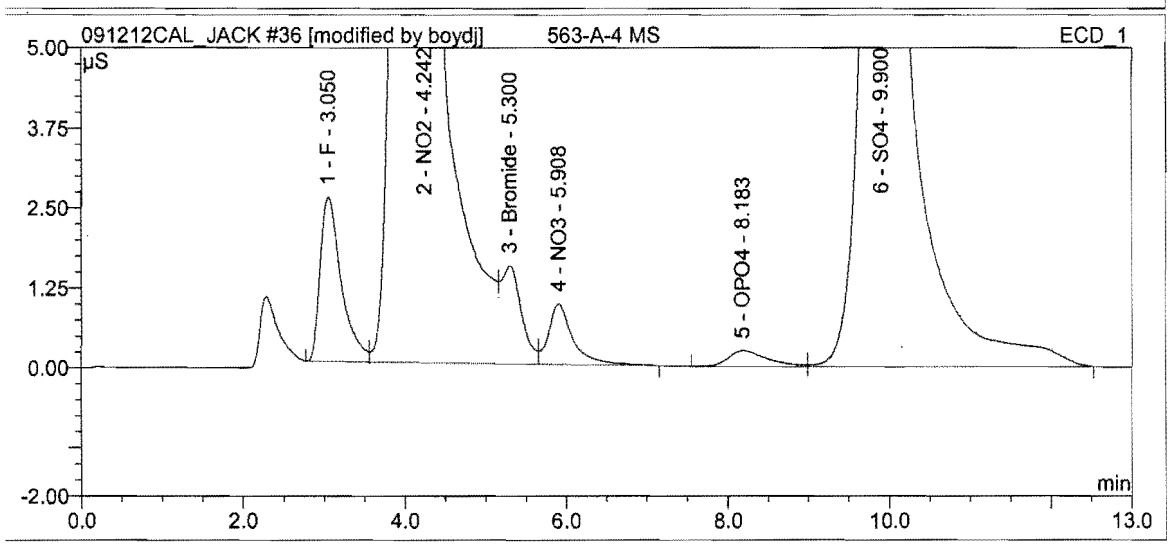
-NO3

Integration Report - ECD_1

Sample Name:	**563-A-4 MS**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 19:19**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM *	0.785	2.563	1670.8988
2	4.24	NO2	M *	31.265	114.231	123678.8863
3	5.30	Bromide	M *	0.462	1.535	3381.4690
4	5.91	NO3	MB*	0.338	0.951	378.6596
5	8.18	OPO4	BM	0.141	0.253	1515.8824
6	9.90	SO4	MB	10.535	20.151	41250.3010
		TOTAL:		43.53	139.68	171876.10





Integration Report - ECD_1

Sample Name:	**563-A-4 MS @10**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 19:35**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.932	3.532	1983.7585
2	3.97	Cl	M	3.124	11.072	8256.6308
3	5.23	Bromide	M	0.307	0.905	2248.3578
4	5.84	NO3	MB	0.311	0.809	348.7148
5	8.10	OPO4	BM	0.403	0.775	4330.0998
6	9.88	SO4	MB	1.639	3.118	6417.0667
		TOTAL:		6.72	20.21	23584.63

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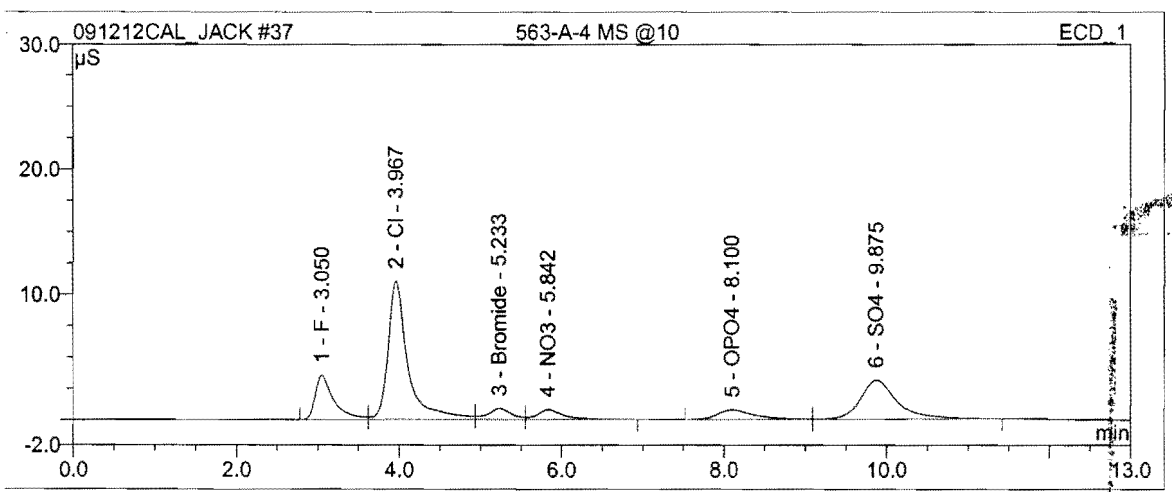
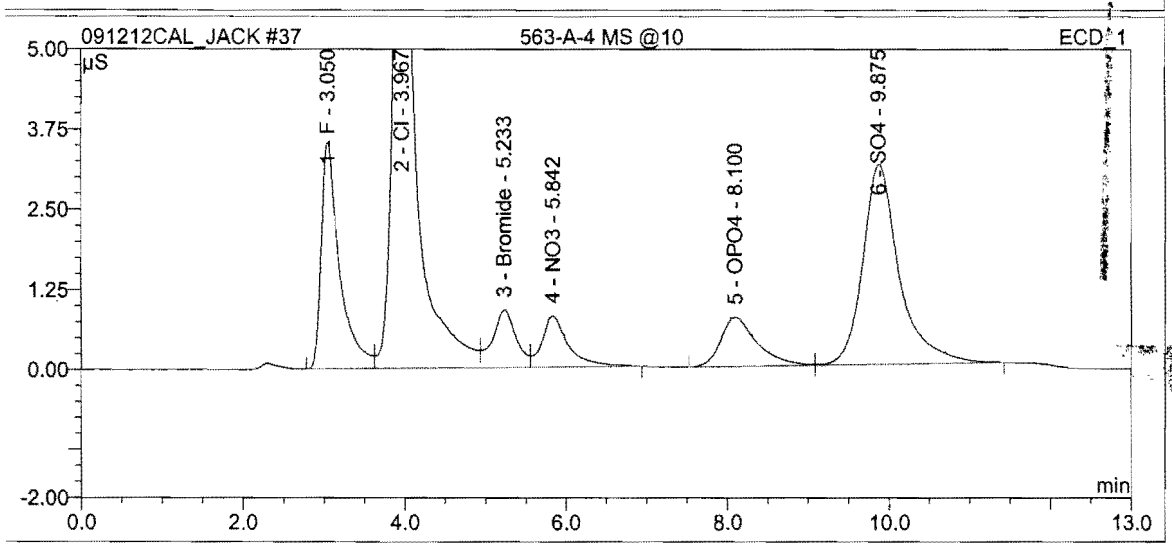
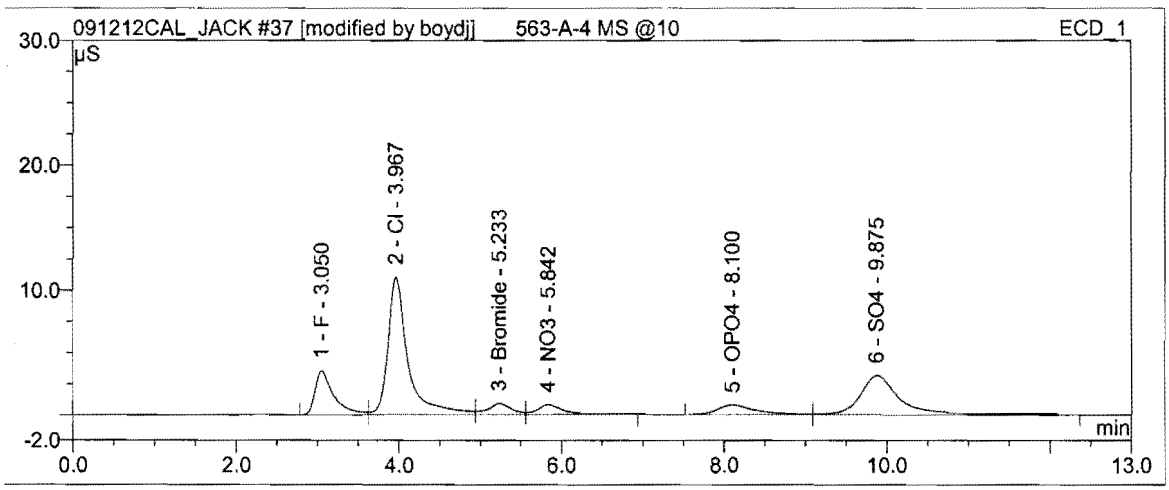


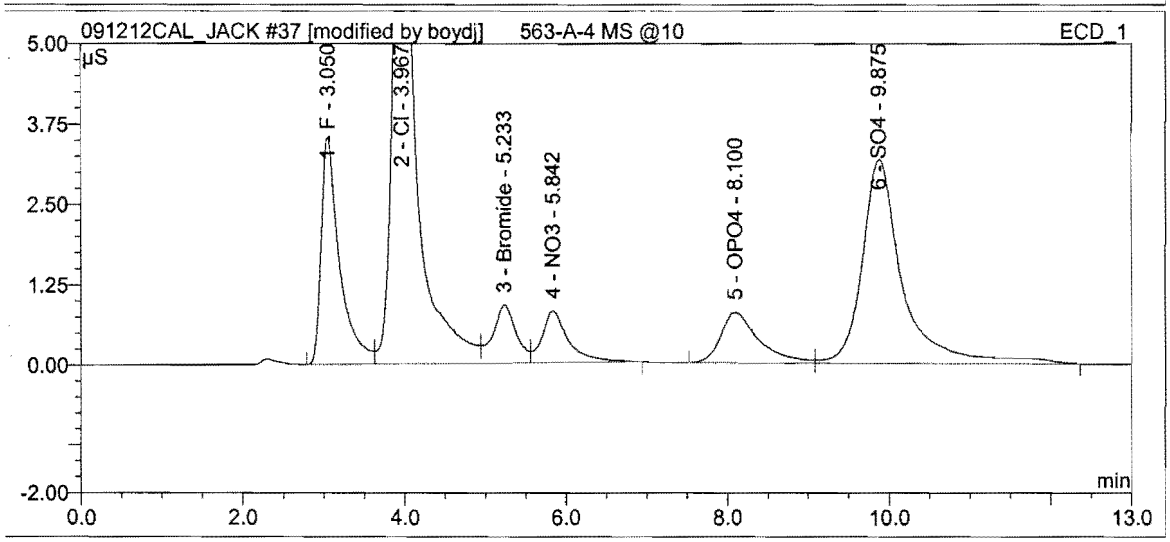


Integration Report - ECD_1

Sample Name:	**563-A-4 MS @10**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 19:35**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.932	3.532	1983.7585
2	3.97	Cl	M	3.124	11.072	8256.6308
3	5.23	Bromide	M	0.307	0.905	2248.3578
4	5.84	NO3	MB	0.311	0.809	348.7148
5	8.10	OPO4	BM *	0.432	0.789	4641.1874
6	9.88	SO4	MB*	1.844	3.174	7221.9262
		TOTAL:		6.95	20.28	24700.58





Integration Report - ECD_1

Sample Name:	**563-A-4 MS @50**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 19:50**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.04	F	BMb	0.821	3.398	1747.3682
2	3.93	Cl	bM	0.923	3.677	2439.0399
3	4.40	NO2	Mb	0.064	0.278	254.4909
4	5.21	Bromide	bM	0.191	0.697	1396.6811
5	5.80	NO3	MB	0.240	0.718	269.3265
6	8.07	OPO4	BM	0.365	0.729	3922.0491
7	9.87	SO4	MB	0.974	1.848	3814.4467
		TOTAL:		3.58	11.35	13843.40

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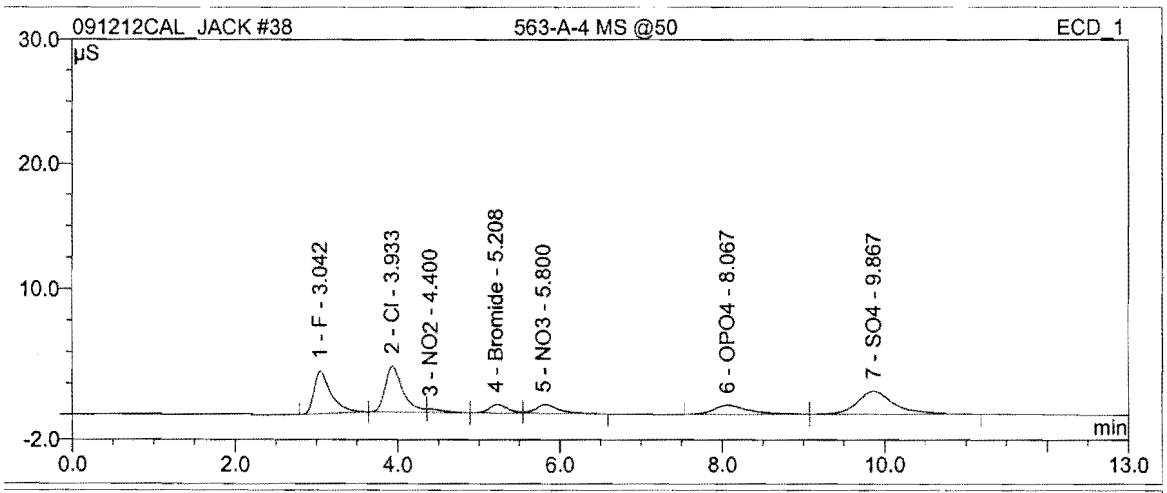
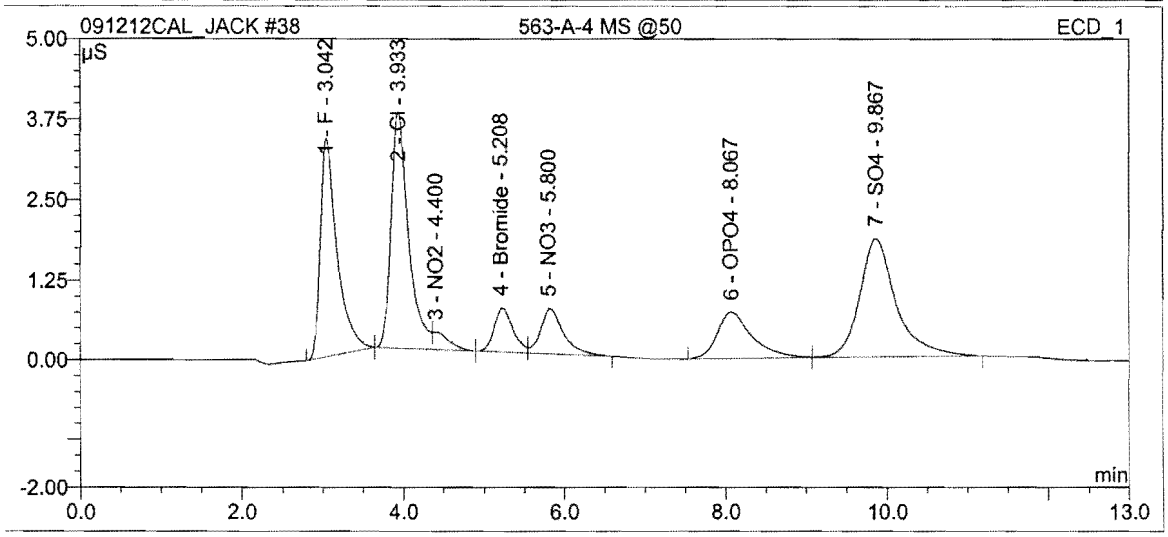


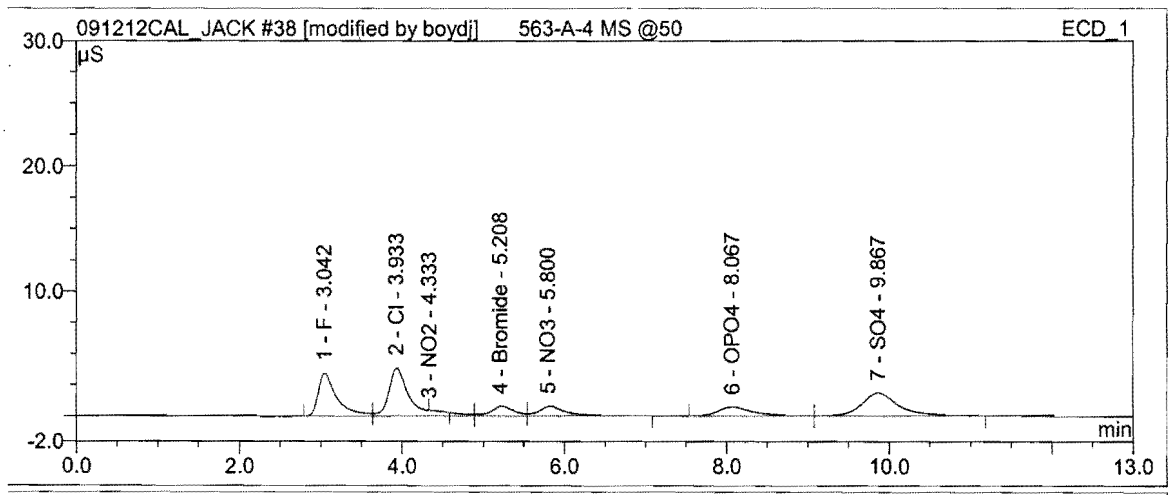


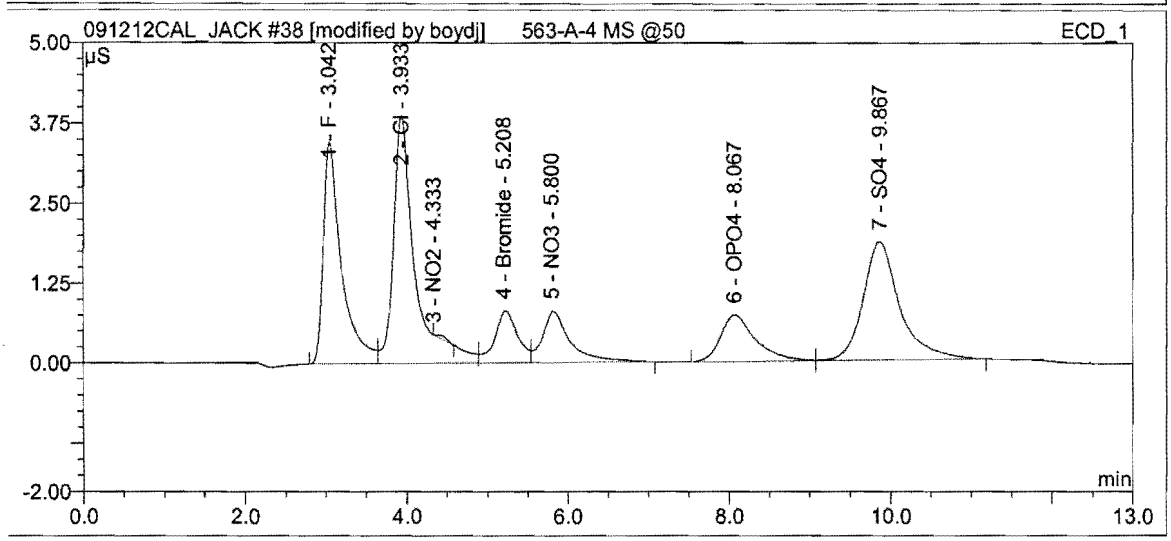
1. Baseline Noise
2. Incomplete Peak
3. Assign Peak
4. Wrong Peak
5. Baseline Shift
6. Split Peak
7. Other

Integration Report - ECD_1

Sample Name:	**563-A-4 MS @50**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 19:50**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.04	F	BM *	0.906	3.457	1929.1375
2	3.93	Cl	M *	1.188	3.863	3140.6797
3	4.33	NO2	Rd*	0.008	0.002	31.3289
4	5.21	Bromide	M *	0.265	0.813	1944.2033
5	5.80	NO3	MB*	0.318	0.800	356.8565
6	8.07	OPO4	BM	0.365	0.729	3922.0491
7	9.87	SO4	MB	0.974	1.848	3814.4467
		TOTAL:		4.03	11.51	15138.70





Integration Report - ECD_1

Sample Name:	**563-A-4 MSD**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 20:05**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.776	2.558	1651.9317
2	4.23	NO2	M	31.247	113.561	123607.6940
3	5.29	Bromide	M	0.434	1.488	3175.0717
4	5.88	NO3	MB	0.301	0.943	337.0546
5	8.18	OPO4	BM	0.133	0.231	1426.5590
6	9.89	SO4	MB	10.566	20.186	41371.0237
		TOTAL:		43.46	138.97	171569.33

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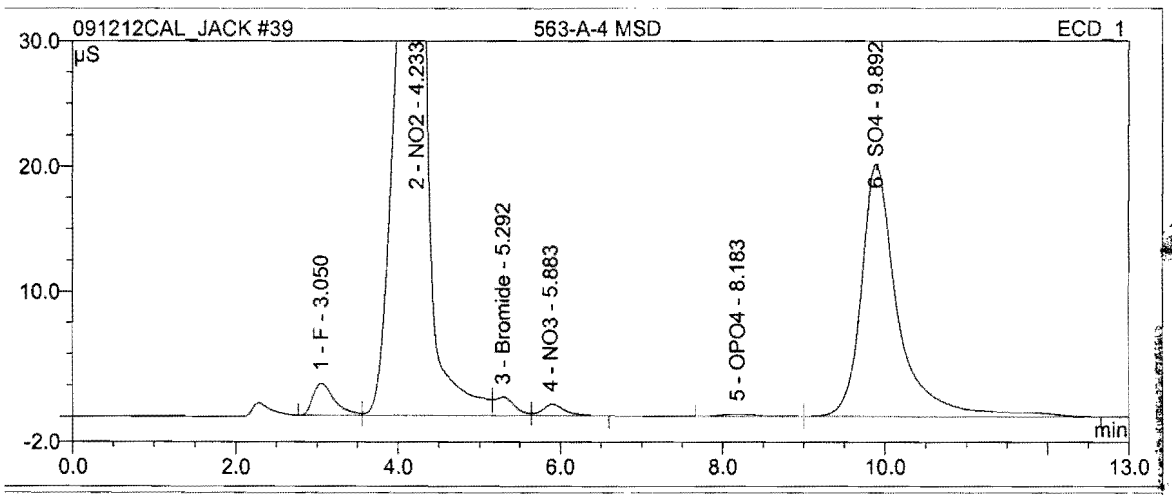
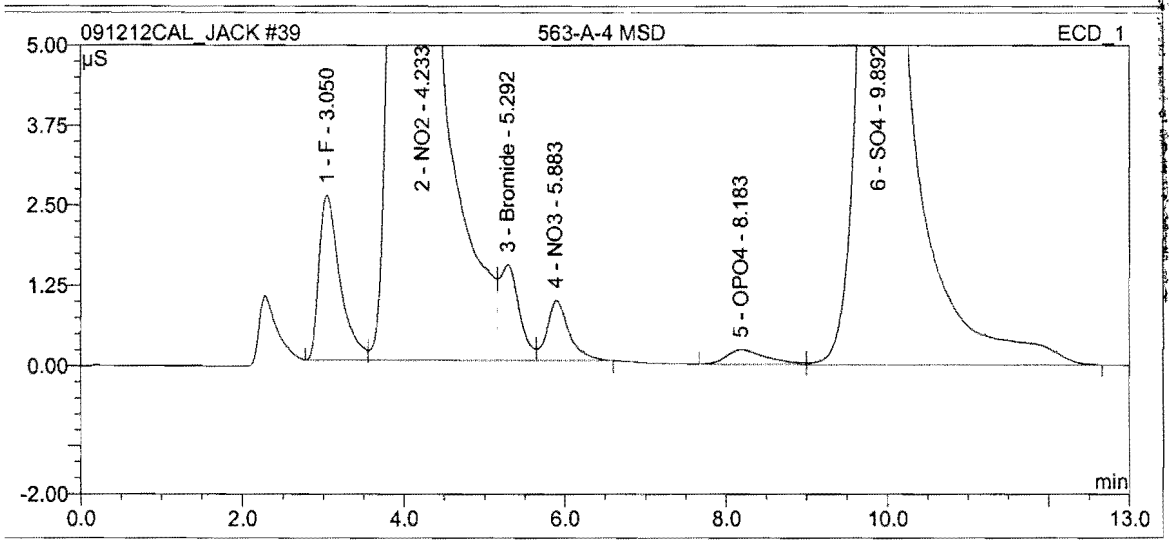
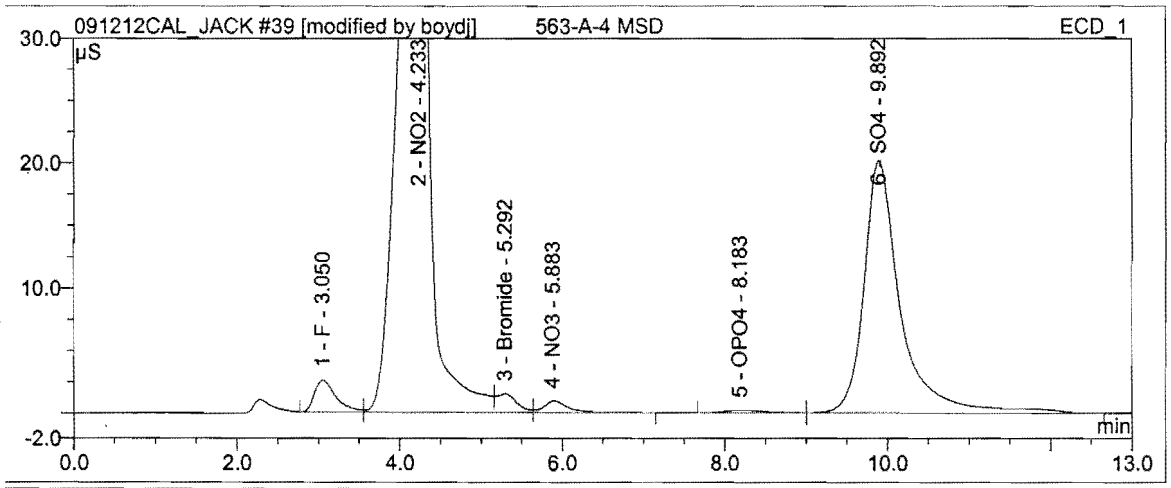


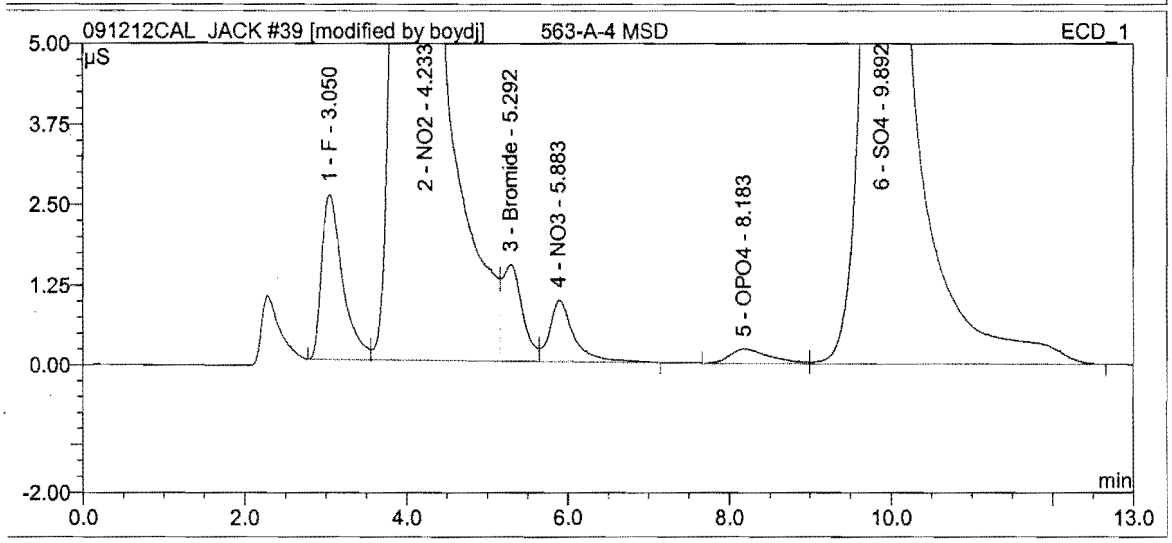


Integration Report - ECD_1

Sample Name:	**563-A-4 MSD**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 20:05**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM *	0.779	2.560	1658.0929
2	4.23	NO2	M *	31.271	113.575	123702.2337
3	5.29	Bromide	M *	0.445	1.512	3262.7335
4	5.88	NO3	MB*	0.340	0.972	381.4229
5	8.18	OPO4	BM	0.133	0.231	1426.5590
6	9.89	SO4	MB	10.566	20.186	41371.0237
		TOTAL:		43.53	139.04	171802.07





Integration Report - ECD_1

Sample Name:	**563-A-4 MSD @10**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 20:21**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.04	F	BM	0.936	3.545	1991.5796
2	3.96	Cl	M	3.110	11.031	8220.4143
3	5.23	Bromide	M	0.307	0.902	2251.9241
4	5.83	NO3	MB	0.314	0.813	352.0736
5	8.10	OPO4	BM	0.404	0.784	4340.2240
6	9.88	SO4	MB	1.611	3.106	6306.2641
		TOTAL:		6.68	20.18	23462.48

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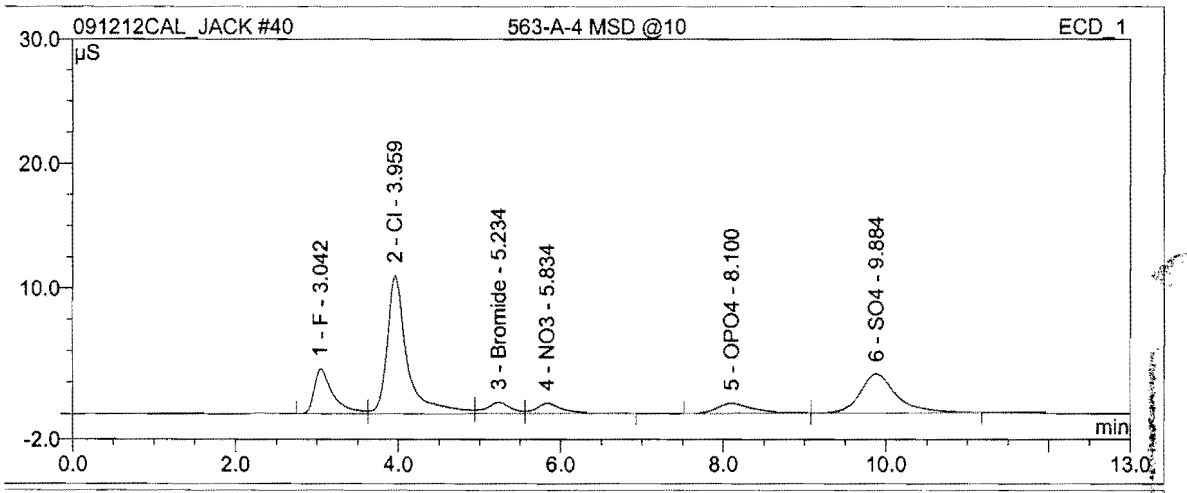
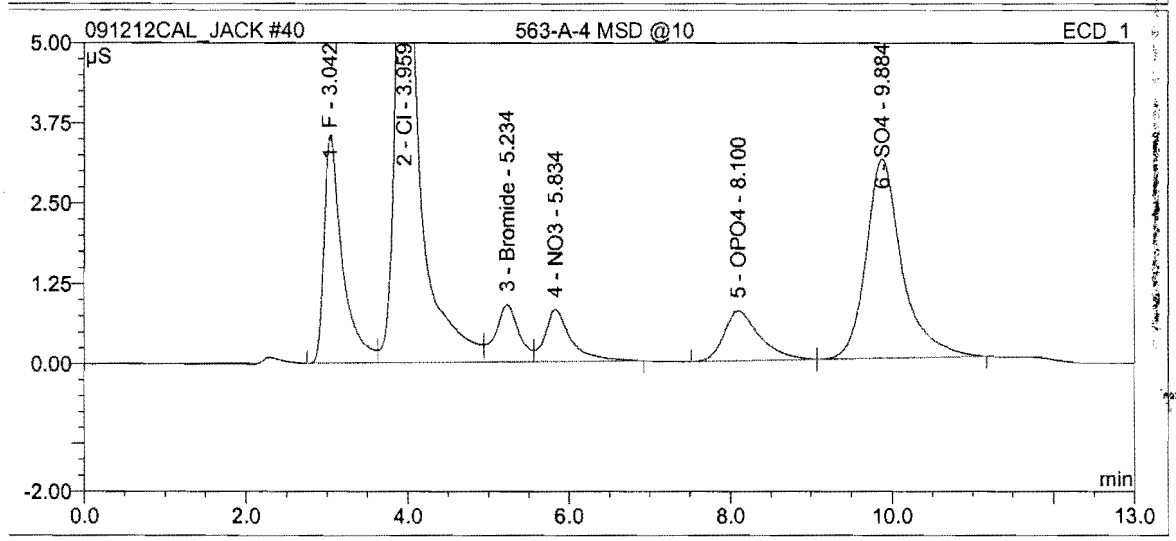


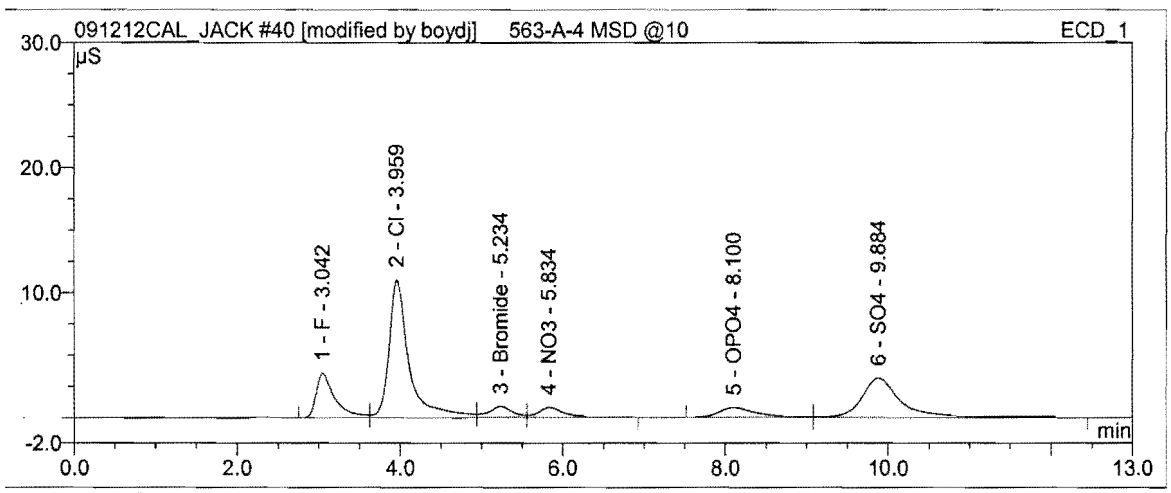


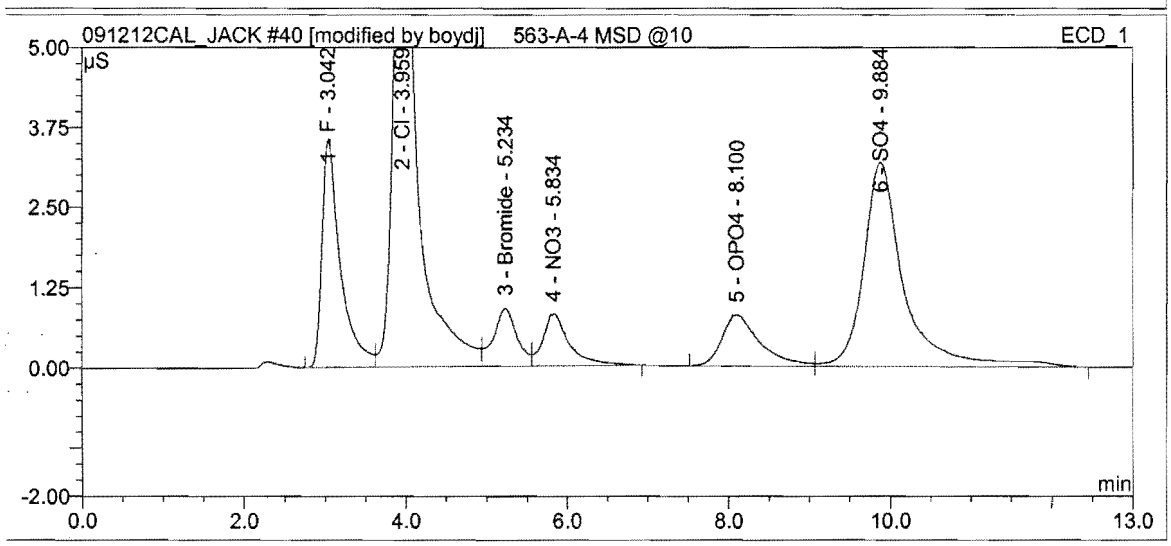
1. Incorrect Integration
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing -504
6. Split Peak
7. Other _____

Integration Report - ECD_1

Sample Name:	**563-A-4 MSD @10**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 20:21**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.04	F	BM	0.936	3.545	1991.5796
2	3.96	Cl	M	3.110	11.031	8220.4143
3	5.23	Bromide	M	0.307	0.902	2251.9241
4	5.83	NO3	MB	0.314	0.813	352.0736
5	8.10	OPO4	BM *	0.437	0.800	4694.6315
6	9.88	SO4	MB*	1.838	3.171	7198.1744
		TOTAL:		6.94	20.26	24708.80

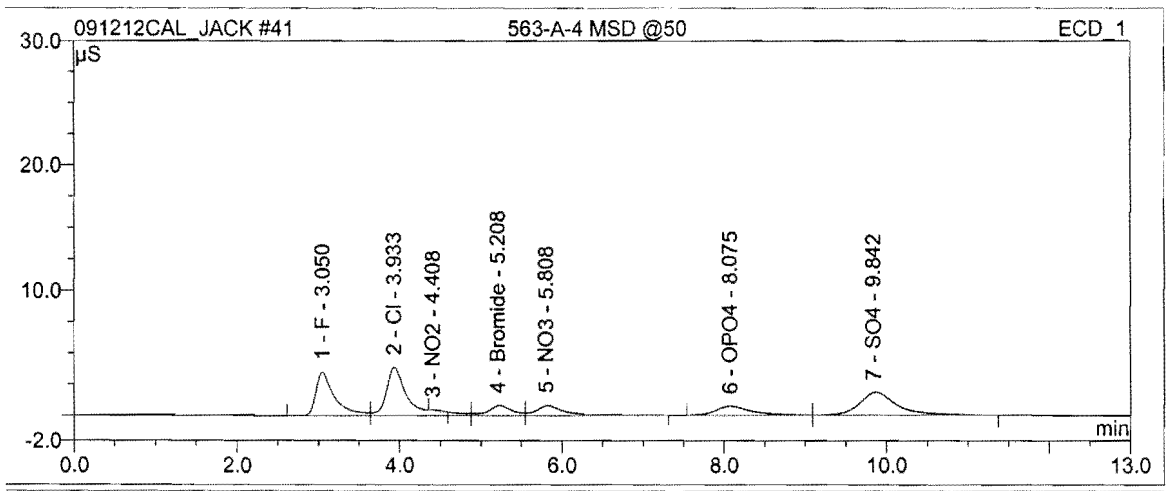


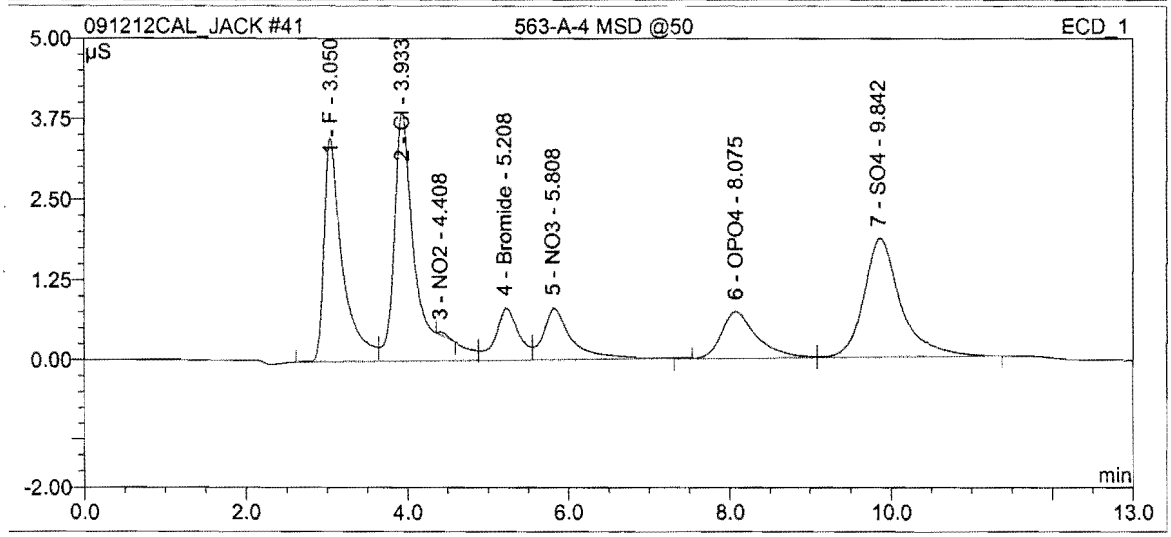


Integration Report - ECD_1

Sample Name:	**563-A-4 MSD @50**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 20:36**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.921	3.474	1960.5922
2	3.93	Cl	M	1.206	3.867	3186.3495
3	4.41	NO2	Rd	0.007	0.040	26.4651
4	5.21	Bromide	M	0.275	0.822	2011.2876
5	5.81	NO3	MB	0.335	0.818	376.1158
6	8.08	OPO4	BM	0.368	0.733	3953.9555
7	9.84	SO4	MB	0.986	1.851	3859.4790
		TOTAL:		4.10	11.60	15374.24





Integration Report - ECD_1

Sample Name:	**CCV**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 20:52**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.464	1.728	987.9258
2	3.94	Cl	M	0.769	2.335	2032.4770
3	4.44	NO2	Rd	0.027	0.164	108.7587
4	5.24	Bromide	M	0.265	0.819	1944.5742
5	5.83	NO3	MB	0.335	0.831	375.6776
6	8.06	OPO4	BMB	0.670	1.432	7195.9280
7	9.87	SO4	bMB	1.709	3.274	6689.9988
		TOTAL:		4.24	10.58	19335.34

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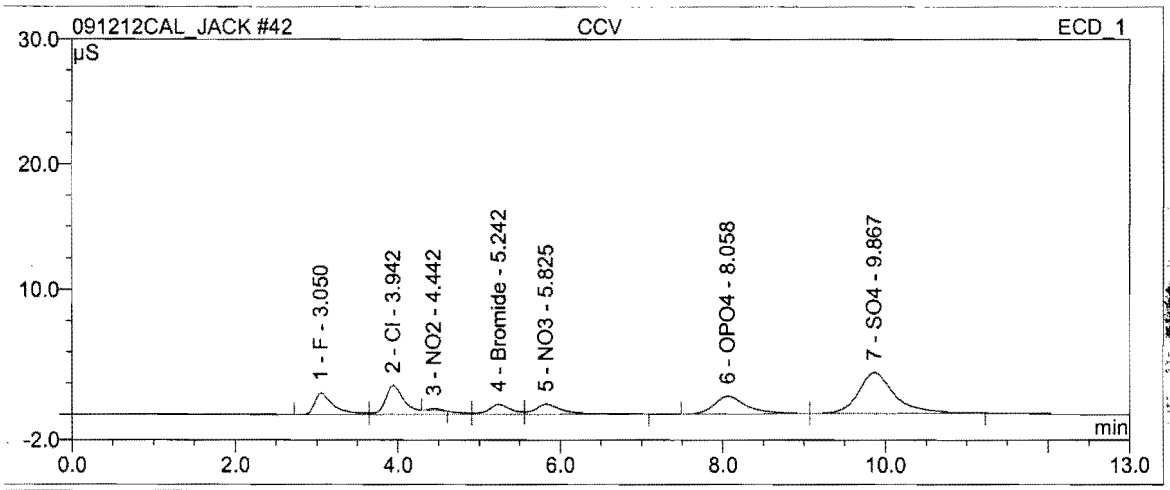
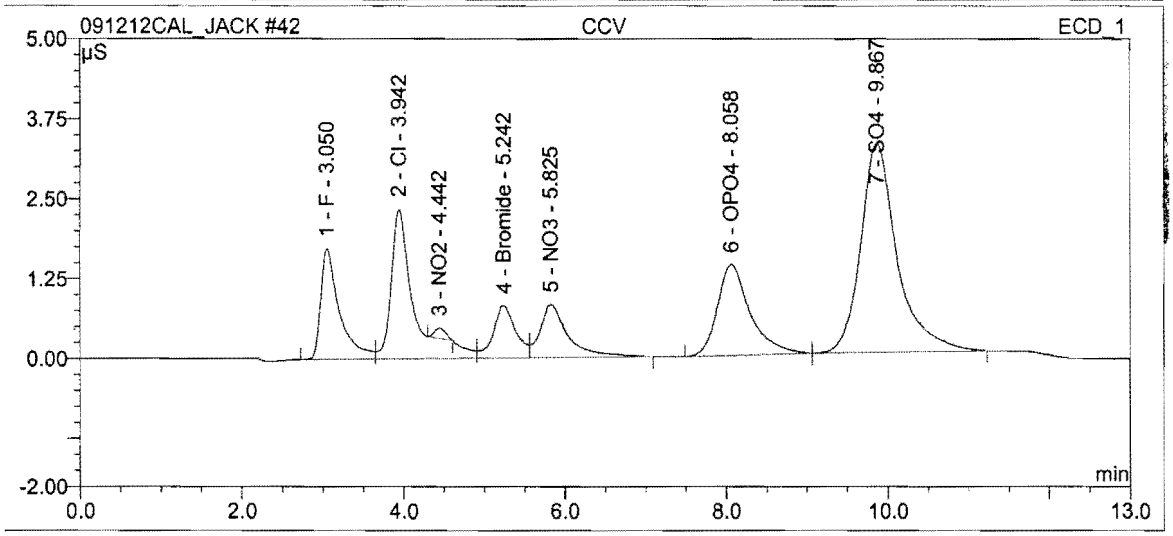


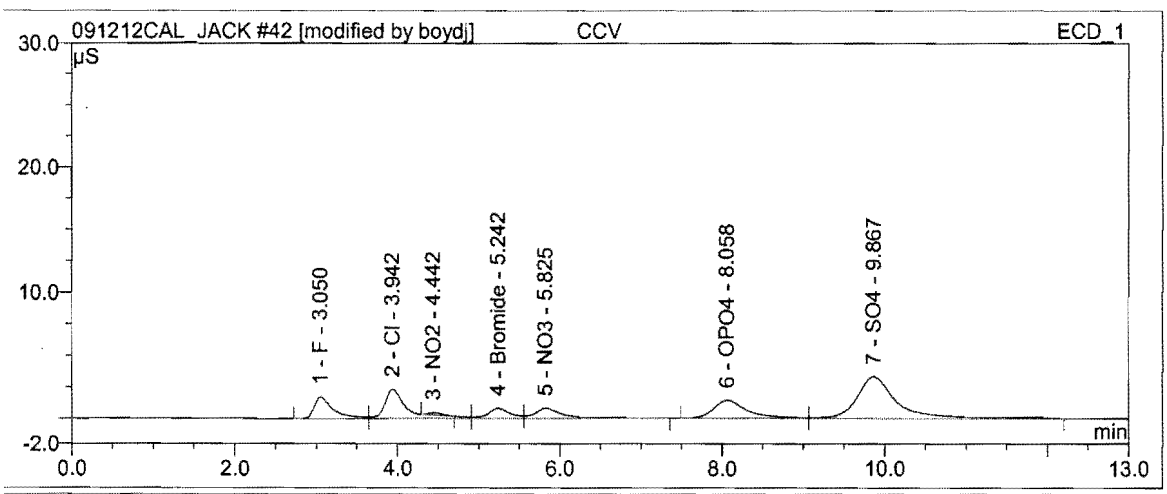


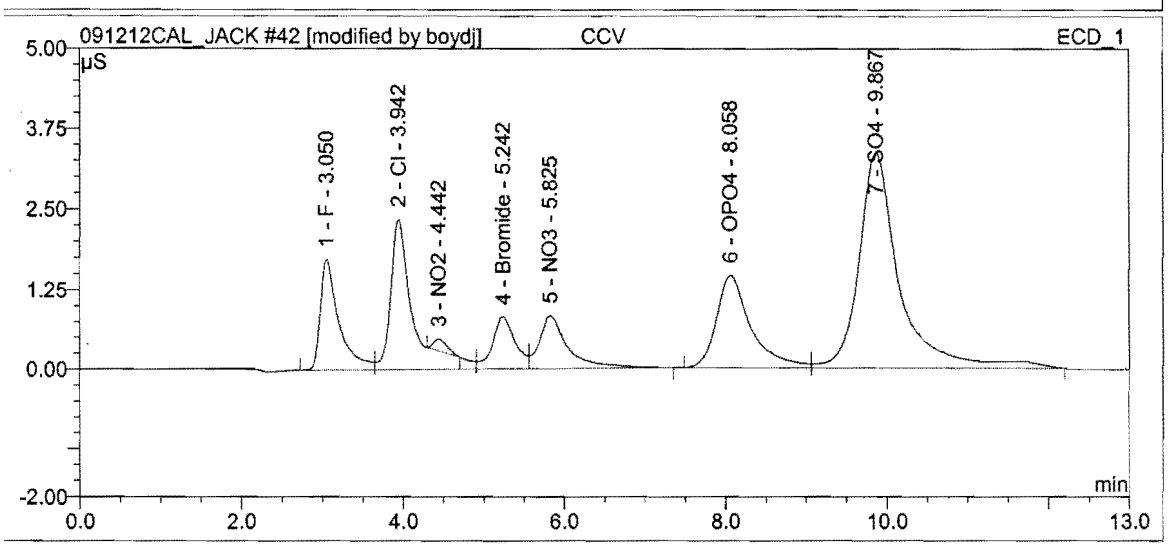
1. Incorrect Peak Located
2. Incorrect Peak Area
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing -NO2, NO3, SO4
6. Split Peak
7. Other _____

Integration Report - ECD_1

Sample Name:	**CCV**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 20:52**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM *	0.465	1.728	989.6369
2	3.94	Cl	M *	0.762	2.338	2015.1169
3	4.44	NO2	Rd*	0.038	0.189	149.2850
4	5.24	Bromide	M *	0.269	0.824	1967.0354
5	5.83	NO3	MB*	0.347	0.837	388.5196
6	8.06	OPO4	BM *	0.719	1.454	7718.2027
7	9.87	SO4	MB*	1.966	3.353	7696.8207
			TOTAL:	4.56	10.72	20924.62

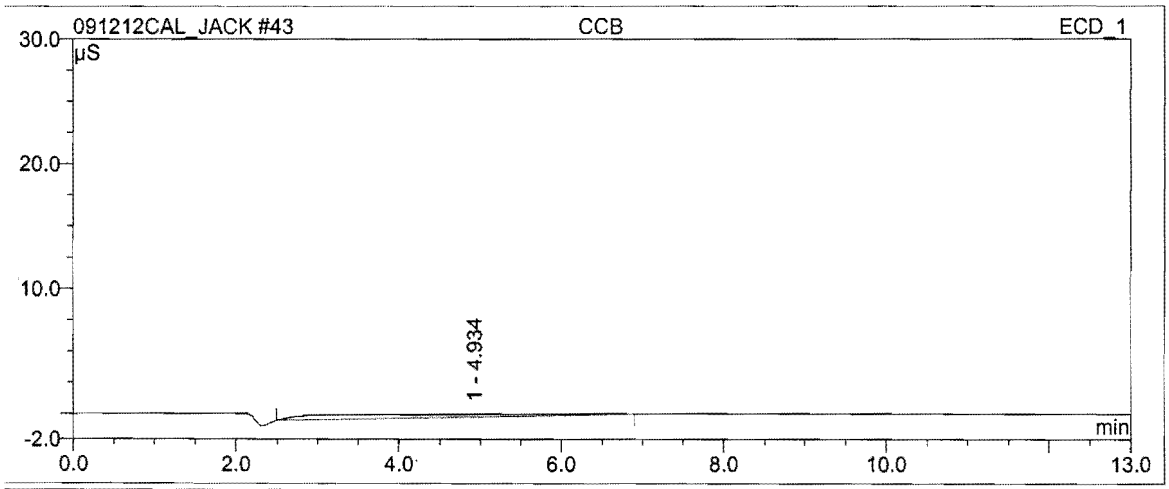


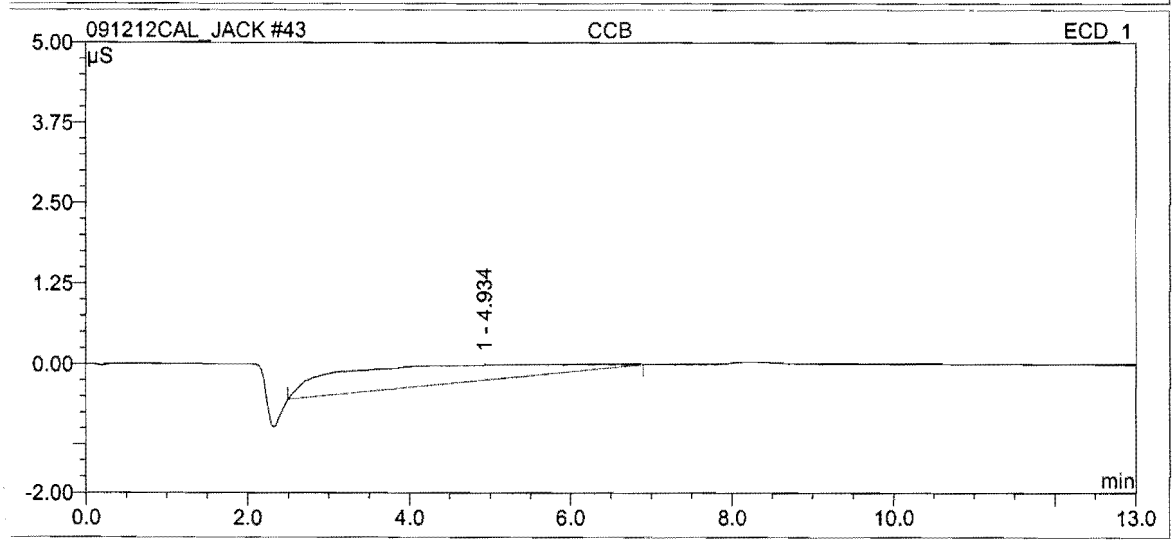


Integration Report - ECD_1

Sample Name:	**CCB**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 21:07**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
		TOTAL:		0.00	0.00	0.00

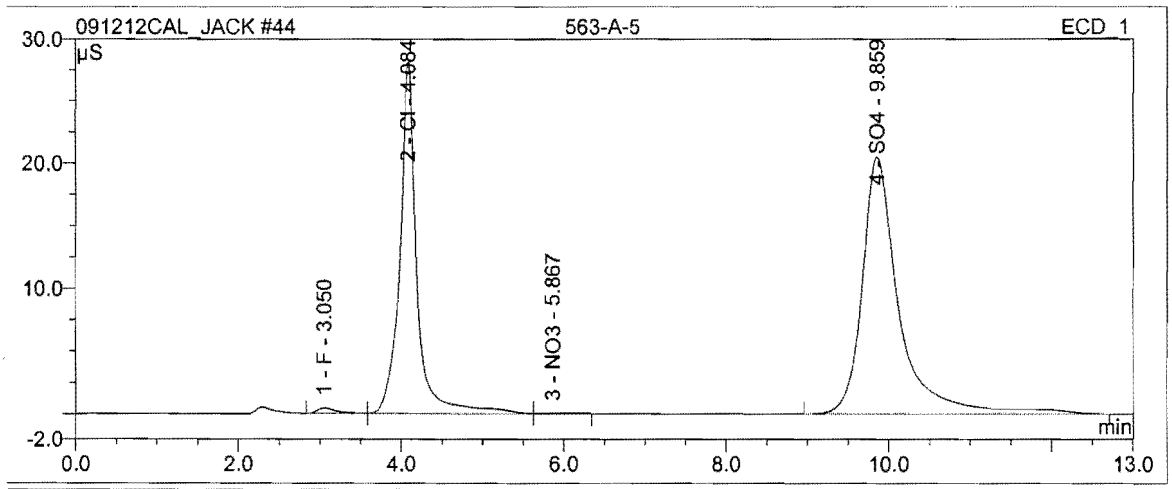


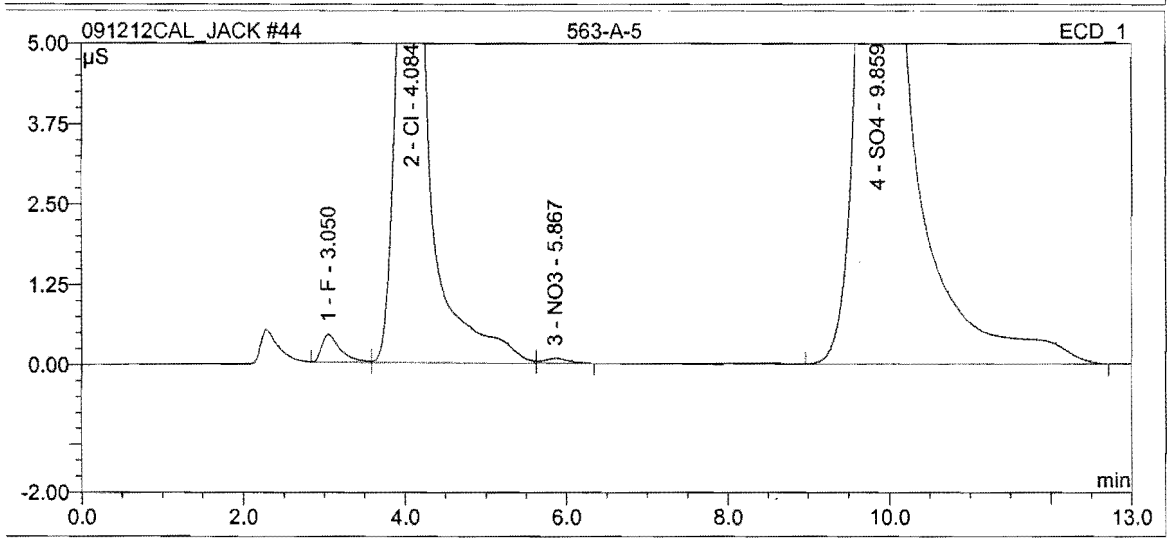


Integration Report - ECD_1

Sample Name:	**563-A-5**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 21:22**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.116	0.436	247.4649
2	4.08	Cl	M	6.785	28.124	17934.8675
3	5.87	NO3	MB	0.027	0.079	30.0482
4	9.86	SO4	BMB	10.804	20.502	42303.7949
		TOTAL:		17.73	49.14	60516.18





Integration Report - ECD_1

Sample Name:	**563-A-5 @10**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 21:38**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.04	F	BMB	0.014	0.061	28.8334
2	3.93	Cl	BMB	0.597	2.038	1578.2555
3	9.86	SO4	BMB	0.864	1.639	3381.5713
		TOTAL:		1.47	3.74	4988.66

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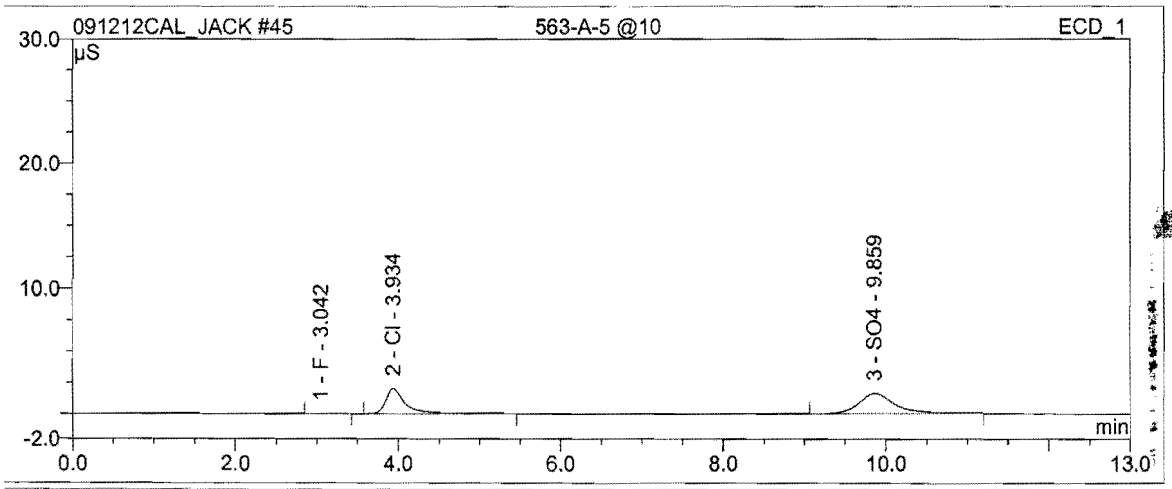
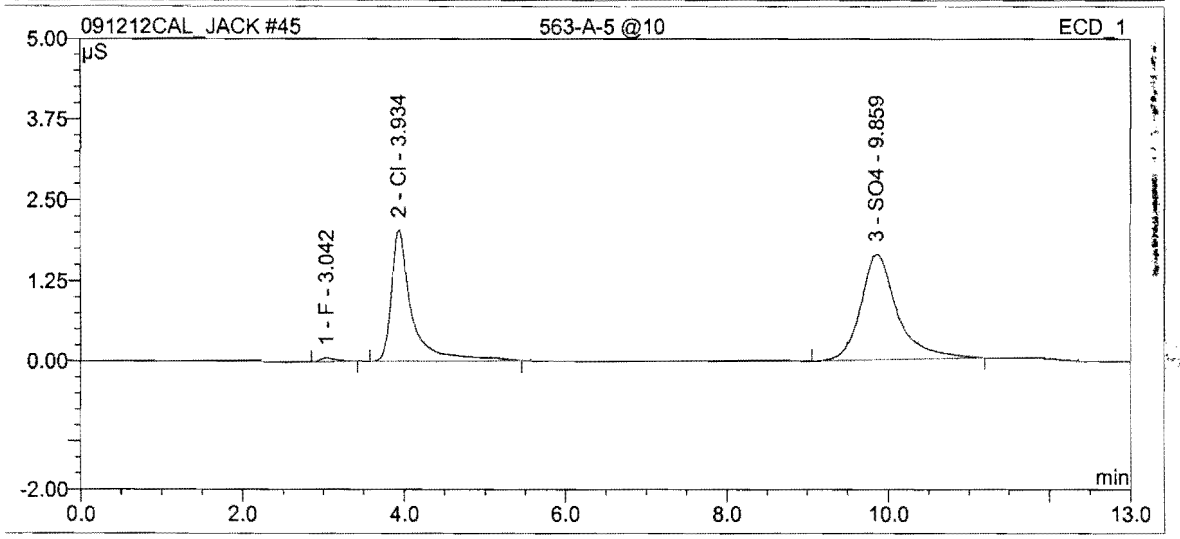
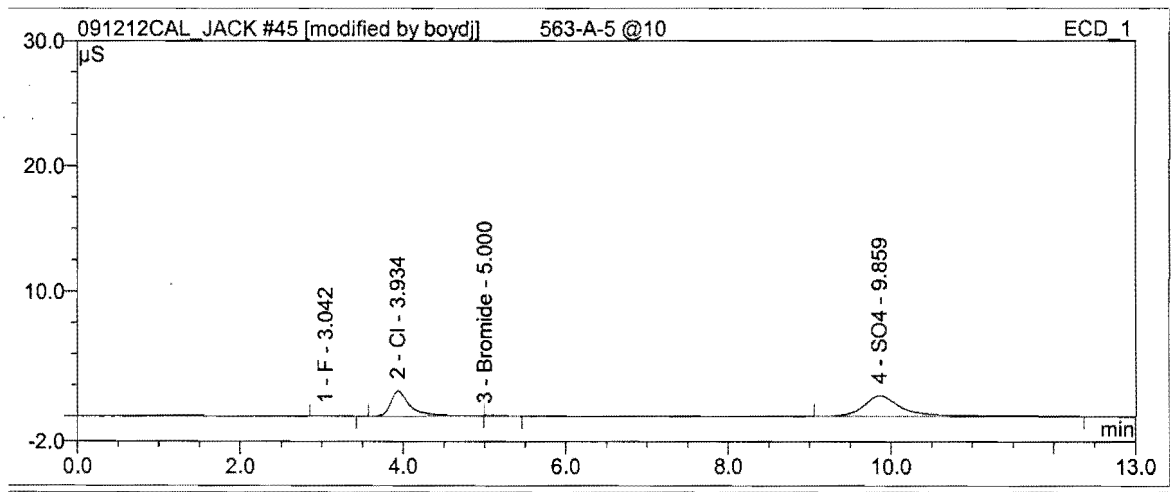


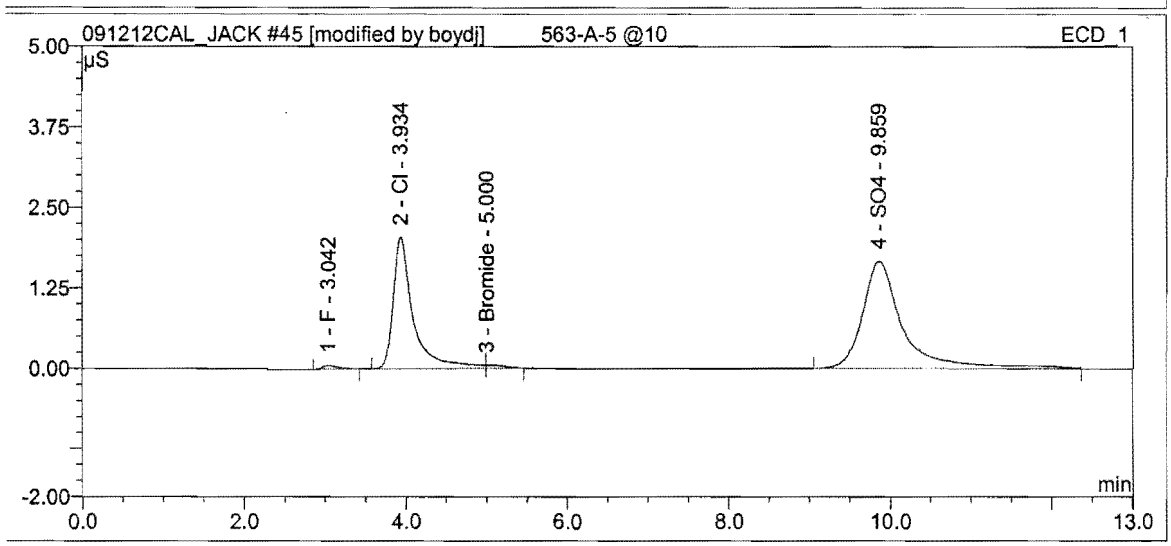


Integration Report - ECD_1

Sample Name:	**563-A-5 @10**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 21:38**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.04	F	BMB	0.014	0.061	28.8334
2	3.93	Cl	BM *	0.583	2.038	1541.8654
3	5.00	Bromide	MB*	0.014	0.050	100.8409
4	9.86	SO4	BMB*	0.973	1.660	3808.3016
			TOTAL:	1.58	3.81	5479.84





Integration Report - ECD_1

Sample Name:	**563-A-6**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 21:53**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	Ru	0.706	2.620	1502.6926
2	4.11	Cl	BMB	3.727	14.881	9850.9323
3	9.92	SO4	BMB	0.159	0.328	623.8518
		TOTAL:		4.59	17.83	11977.48

MI
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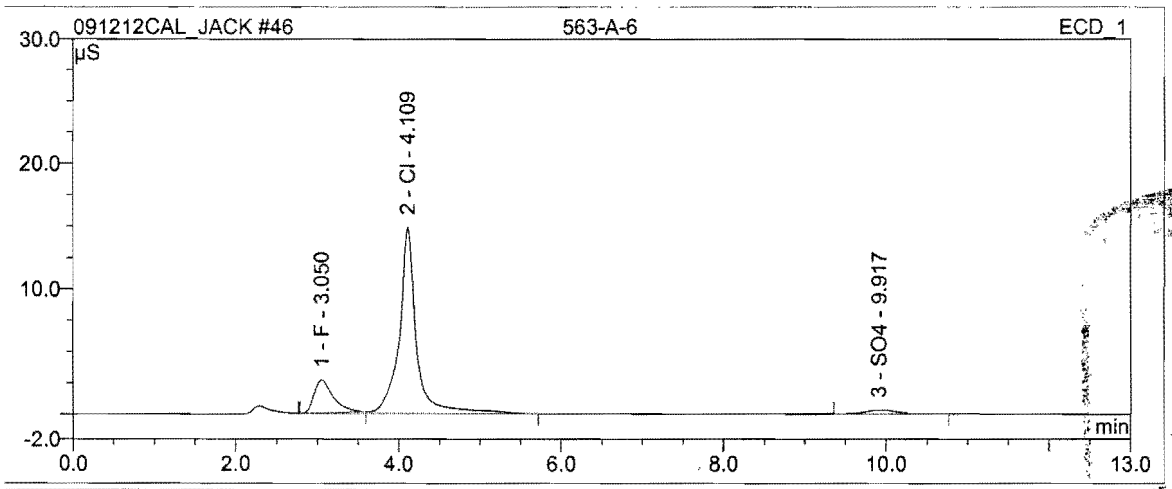
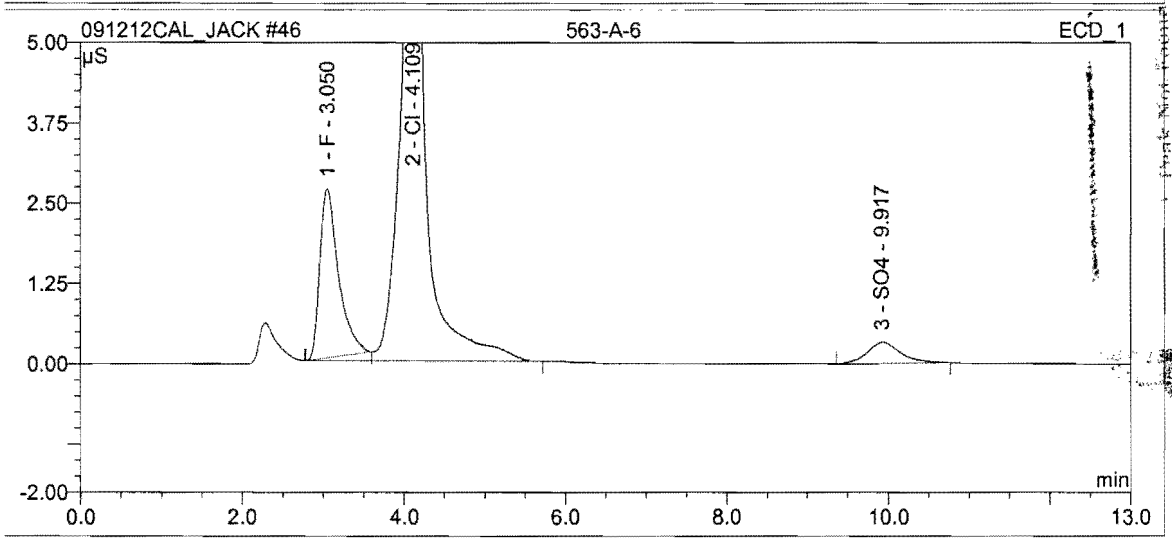




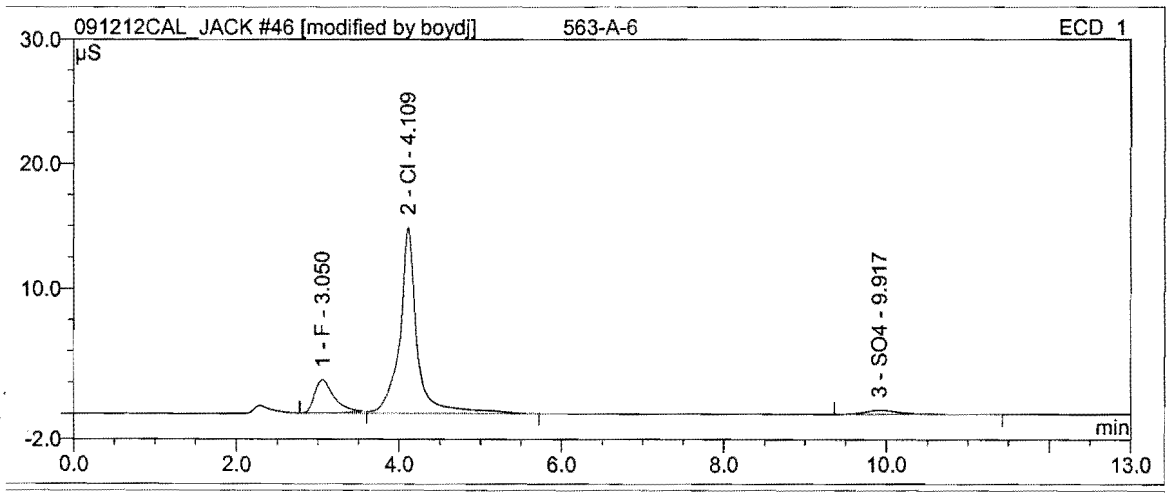
1 Peak Not Found
2 Incomplete Integration
3 Assign Peak
4 Wrong Peak
5 Baseline Smoothing
6 Split Peak
7 Other _____

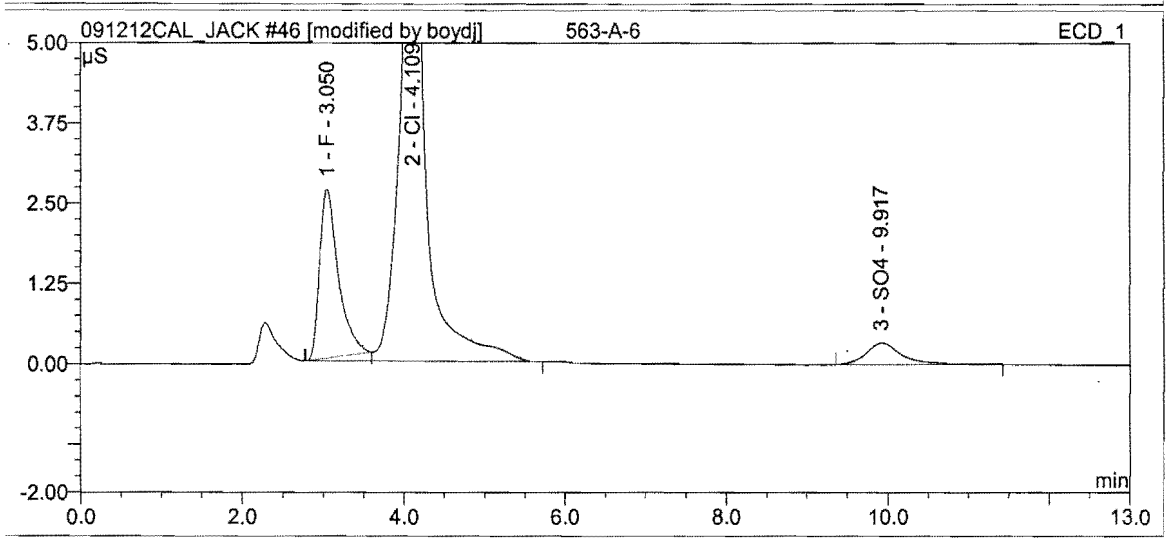
D

Integration Report - ECD_1

Sample Name:	**563-A-6**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 21:53**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	Ru	0.706	2.620	1502.6926
2	4.11	Cl	BMB	3.727	14.881	9850.9323
3	9.92	SO4	BMB*	0.177	0.335	693.8872
		TOTAL:		4.61	17.84	12047.51





Integration Report - ECD_1

Sample Name:	**563-A-6 @10**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 22:09**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.090	0.338	190.6724
2	3.95	Cl	MB	0.312	1.116	824.1986
3	9.92	SO4	BMB	0.013	0.038	50.4003
			TOTAL:	0.41	1.49	1065.27

MI
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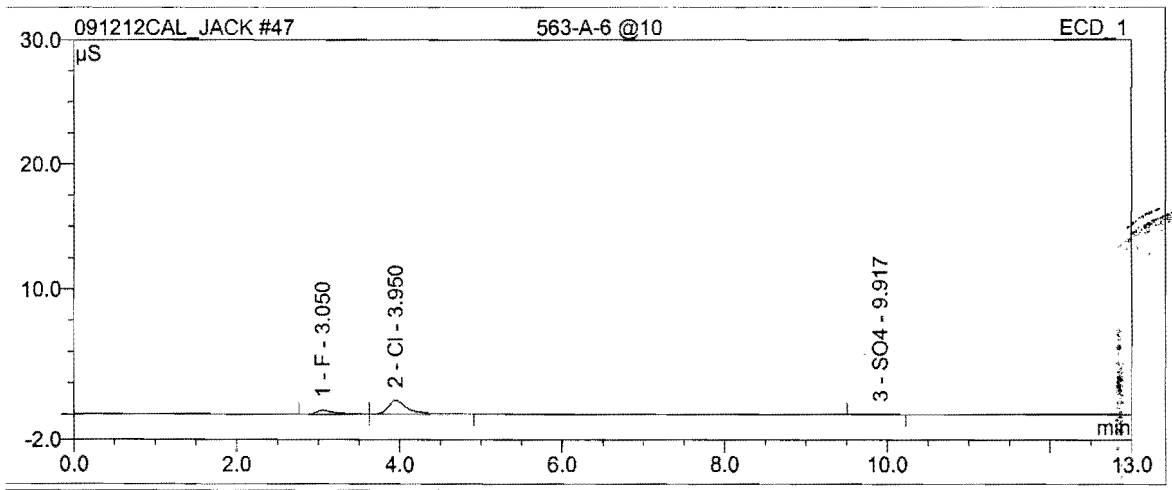
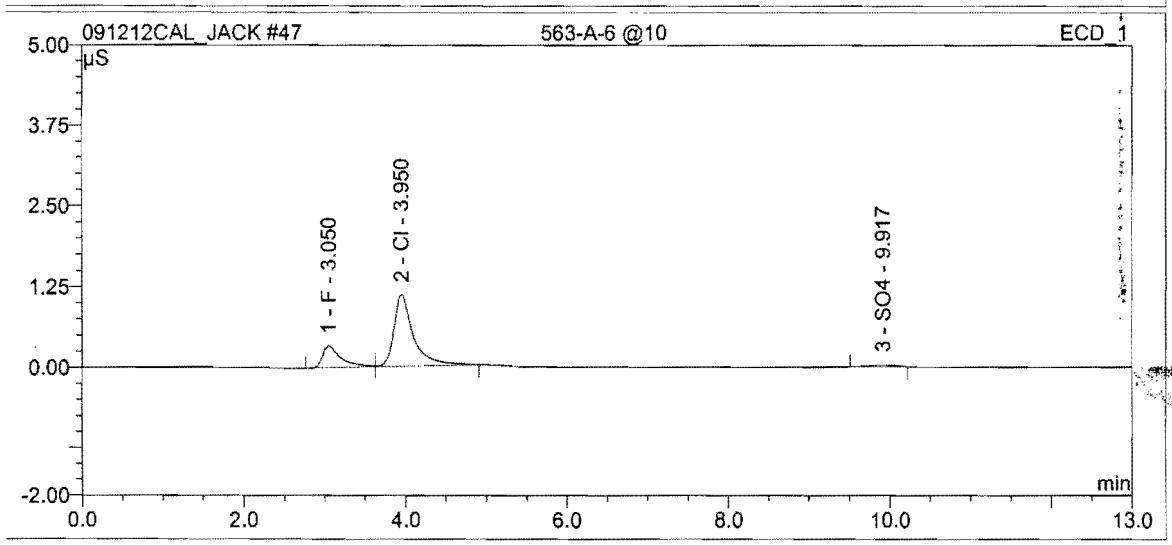
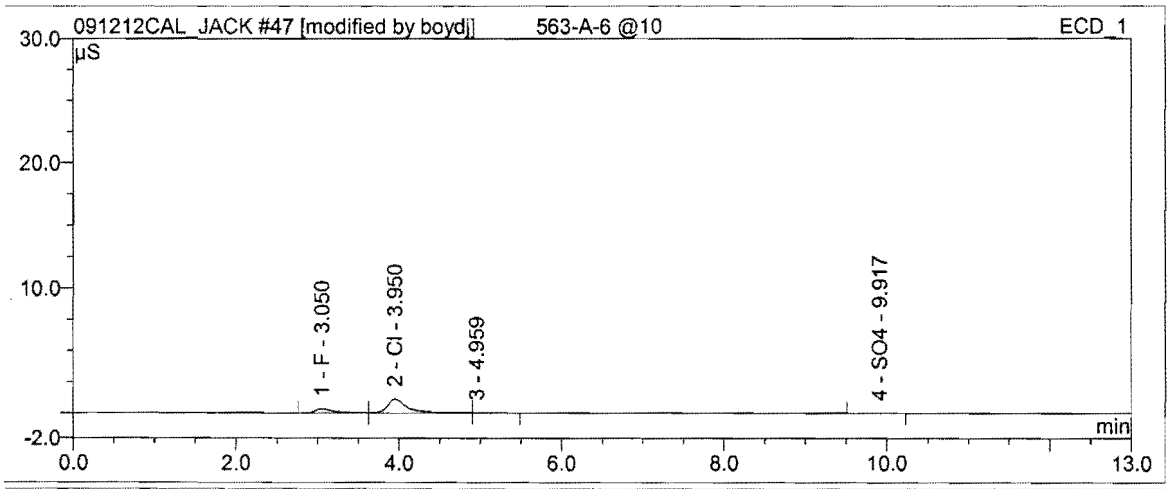


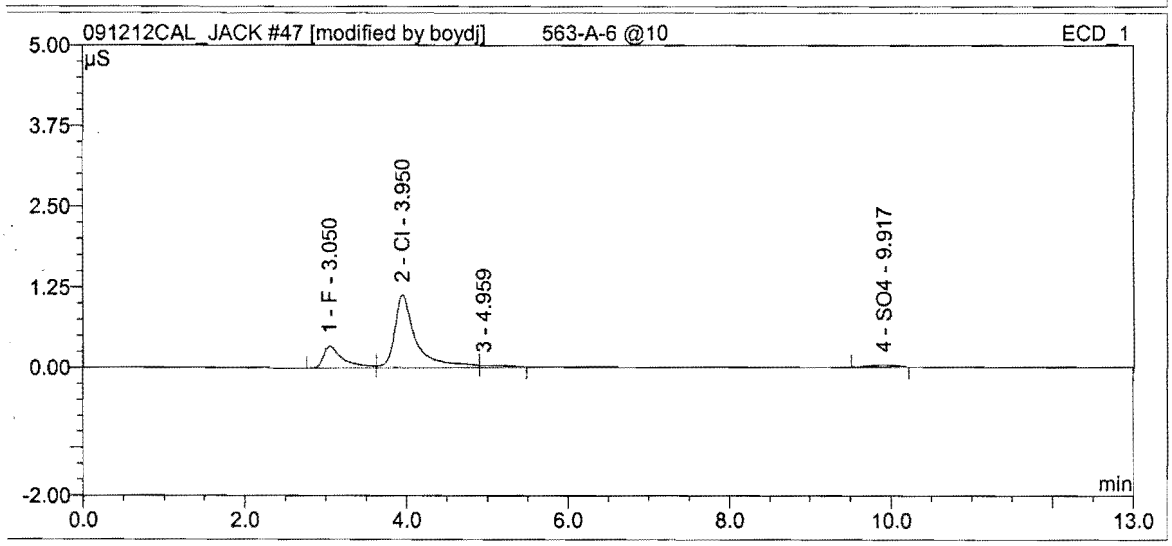


Integration Report - ECD_1

Sample Name:	**563-A-6 @10**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 22:09**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM *	0.096	0.343	204.9460
2	3.95	Cl	M *	0.346	1.137	914.7027
4	9.92	SO4	BMB	0.013	0.038	50.4003
		TOTAL:		0.46	1.52	1170.05

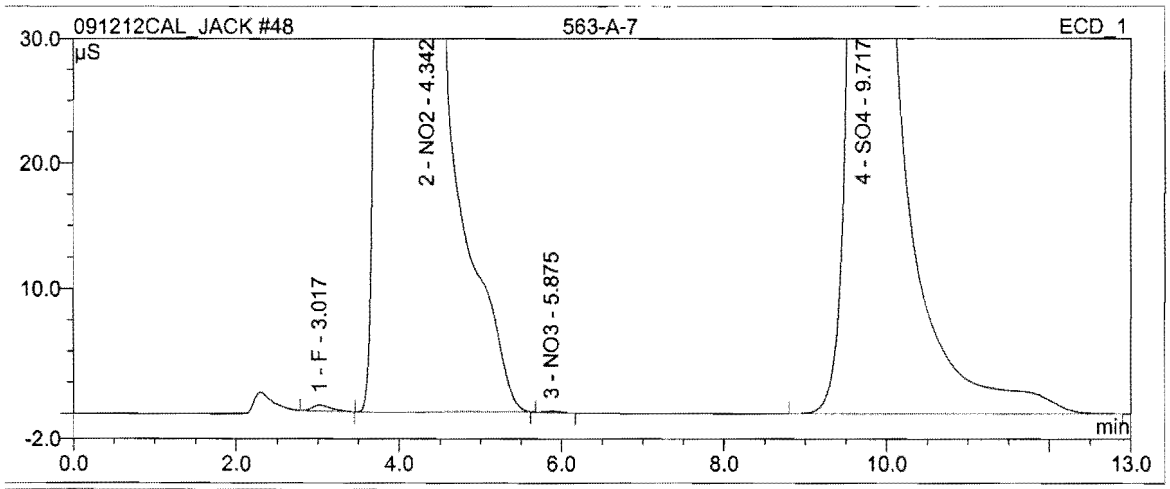


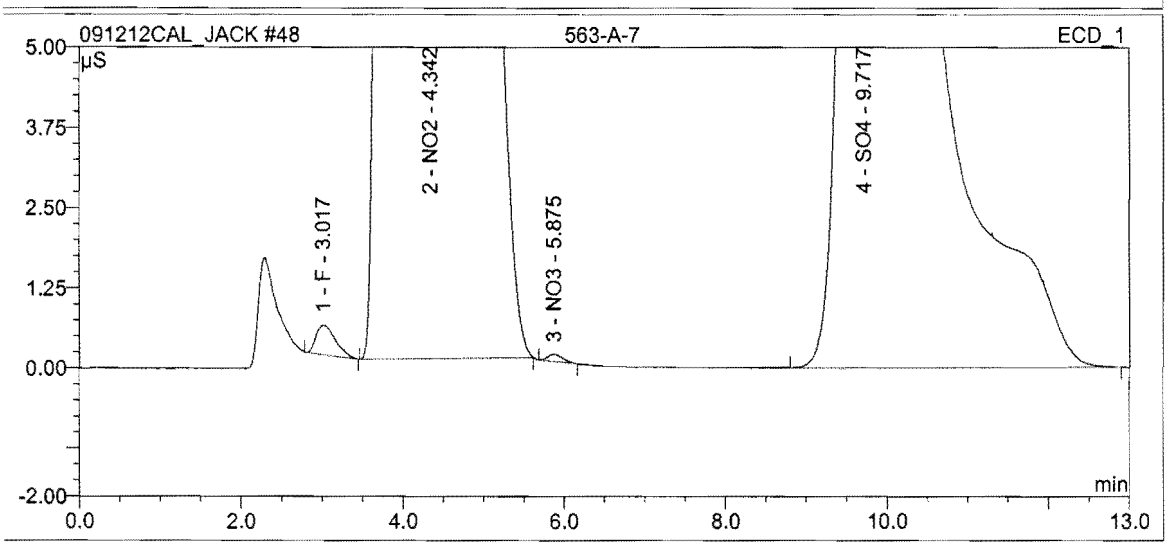


Integration Report - ECD_1

Sample Name:	**563-A-7**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 22:24**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.02	F	BMB	0.130	0.466	276.4863
2	4.34	NO2	BMB	229.046	399.034	906054.2132
3	5.88	NO3	BMB	0.025	0.111	27.7937
4	9.72	SO4	BMB	56.120	105.161	219740.9115
		TOTAL:		285.32	504.77	1126099.40





Integration Report - ECD_1

Sample Name:	**563-A-7 @20**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 22:40**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.03	F	BM	0.011	0.045	23.5669
2	3.95	Cl	MB	8.546	31.130	22589.3384
3	9.87	SO4	BM	2.050	3.672	8025.5868
		TOTAL:		10.61	34.85	30638.49

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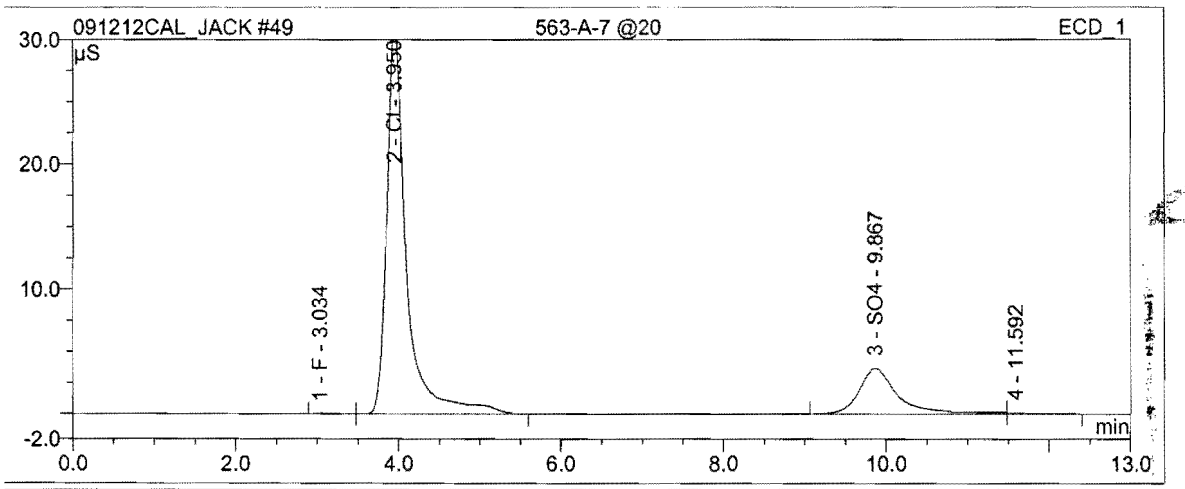
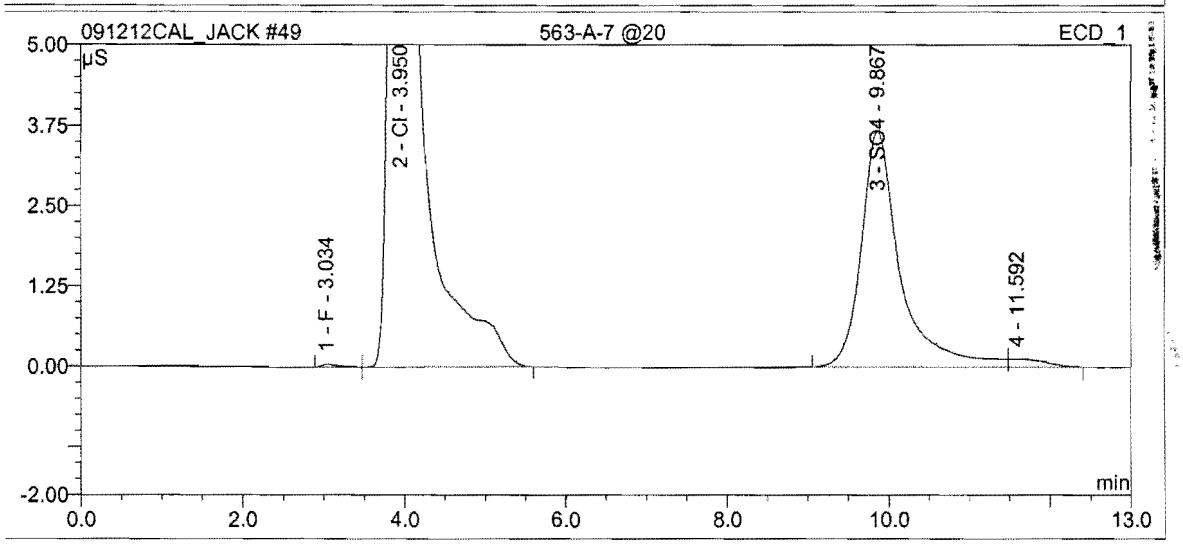
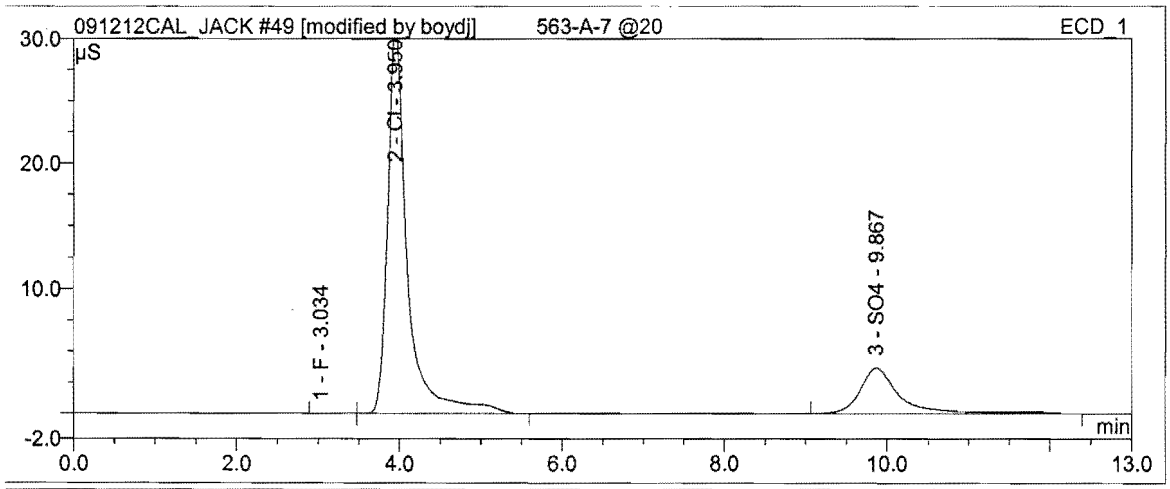


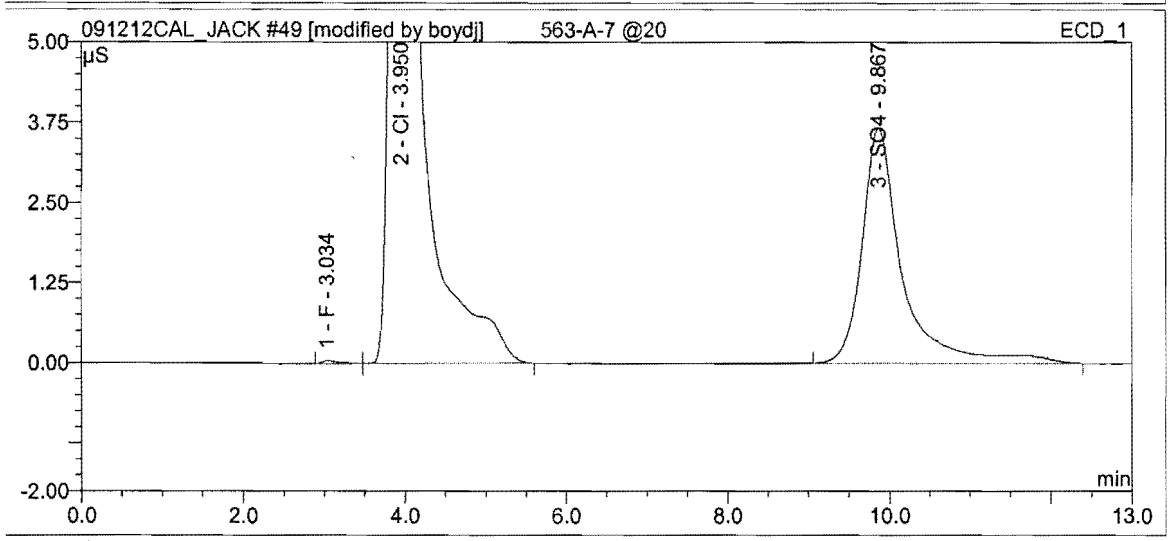


Integration Report - ECD_1

Sample Name:	**563-A-7 @20**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 22:40**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.03	F	BM	0.011	0.045	23.5669
2	3.95	Cl	MB	8.546	31.130	22589.3384
3	9.87	SO4	BMB*	2.113	3.672	8272.7608
		TOTAL:		10.67	34.85	30885.67





Integration Report - ECD_1

Sample Name:	**563-A-7 @200**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 22:55**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.93	Cl	BMB	0.674	2.528	1780.3449
2	9.86	SO4	BMB	0.174	0.351	680.7207
		TOTAL:		0.85	2.88	2461.07

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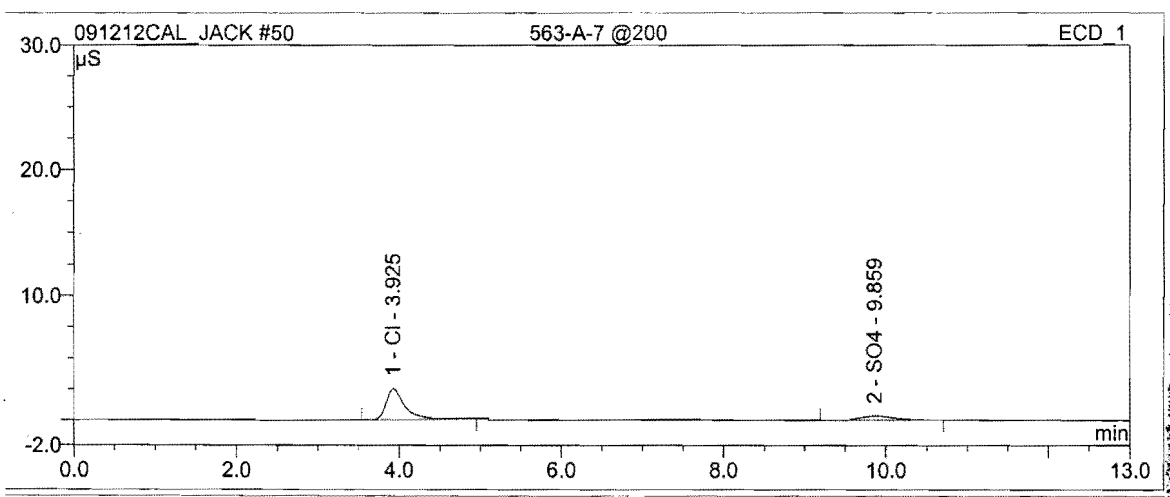
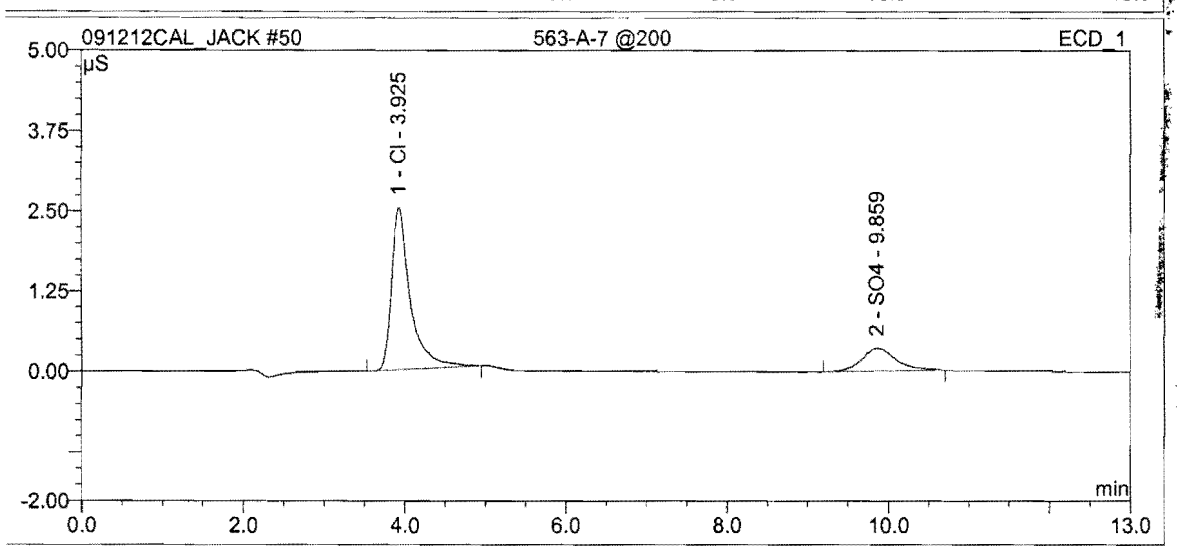
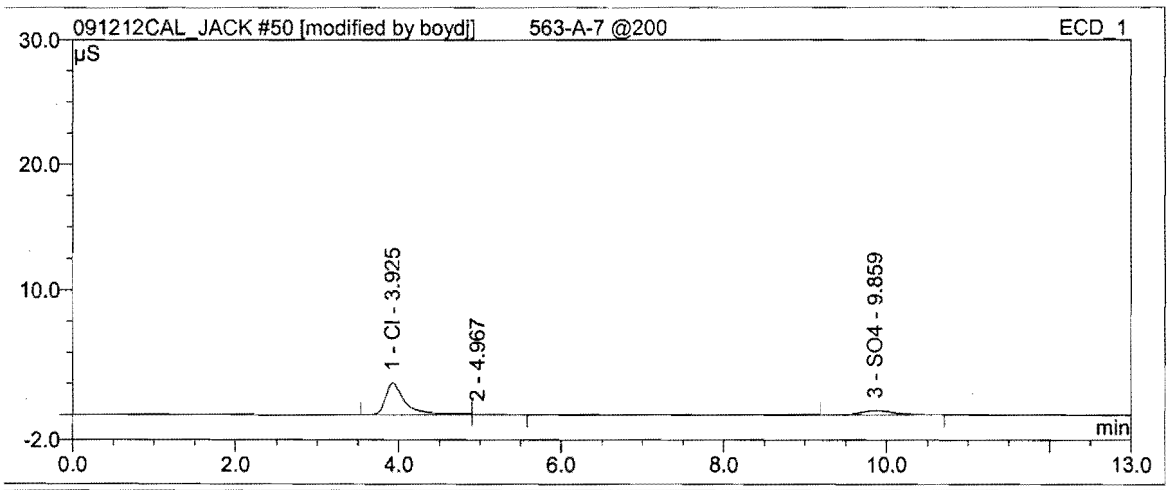


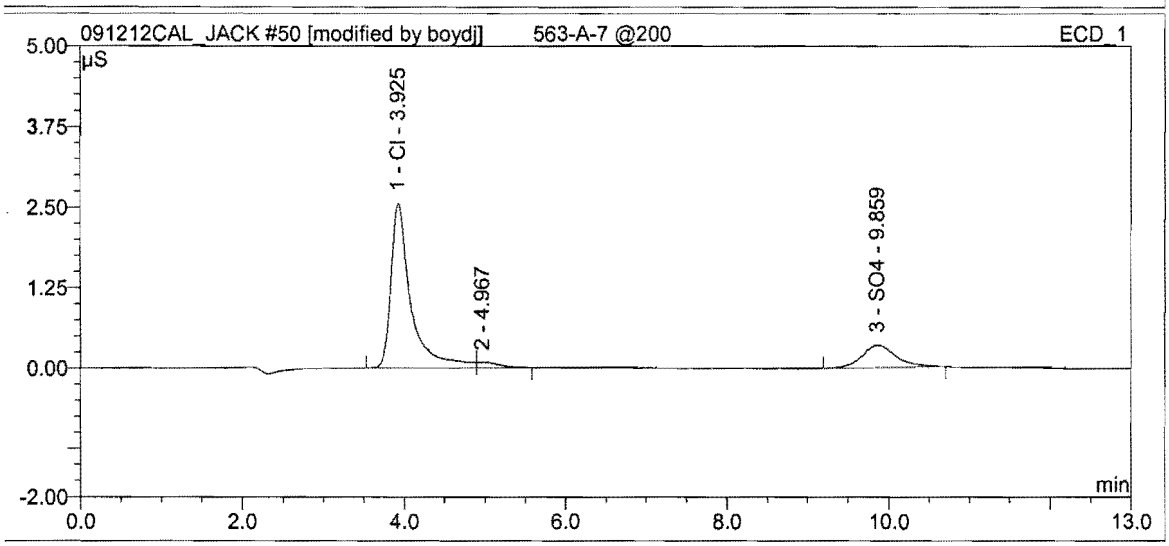


Integration Report - ECD_1

Sample Name:	**563-A-7 @200**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 22:55**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.93	Cl	BM *	0.729	2.551	1926.9433
3	9.86	SO4	BMB	0.174	0.351	680.7207
		TOTAL:		0.90	2.90	2607.66

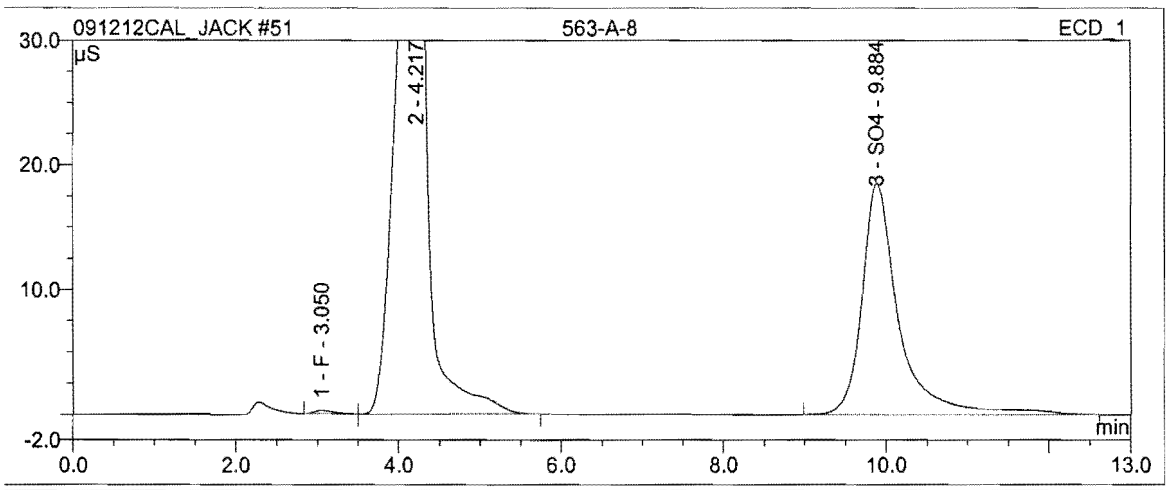


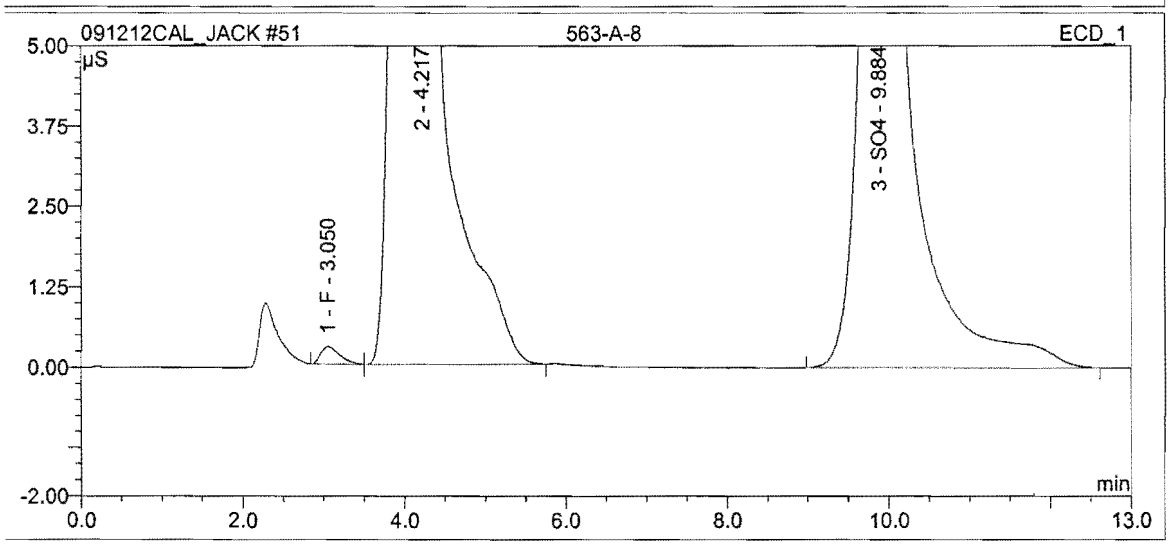


Integration Report - ECD_1

Sample Name:	**563-A-8**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 23:10**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BMb	0.074	0.272	157.3944
3	9.88	SO4	BMB	9.696	18.549	37964.3466
		TOTAL:		9.77	18.82	38121.74





Integration Report - ECD_1

Sample Name:	**563-A-8 @10**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 23:26**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.014	0.053	29.9833
2	3.96	Cl	MB	2.213	7.830	5848.0248
3	9.88	SO4	BMB	0.773	1.481	3028.6304
		TOTAL:		3.00	9.36	8906.64

MI
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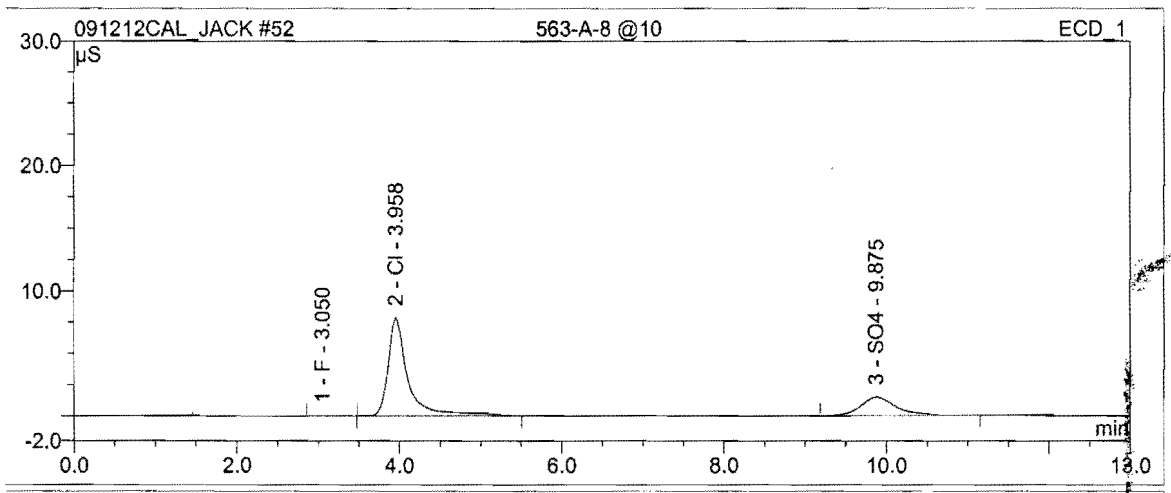
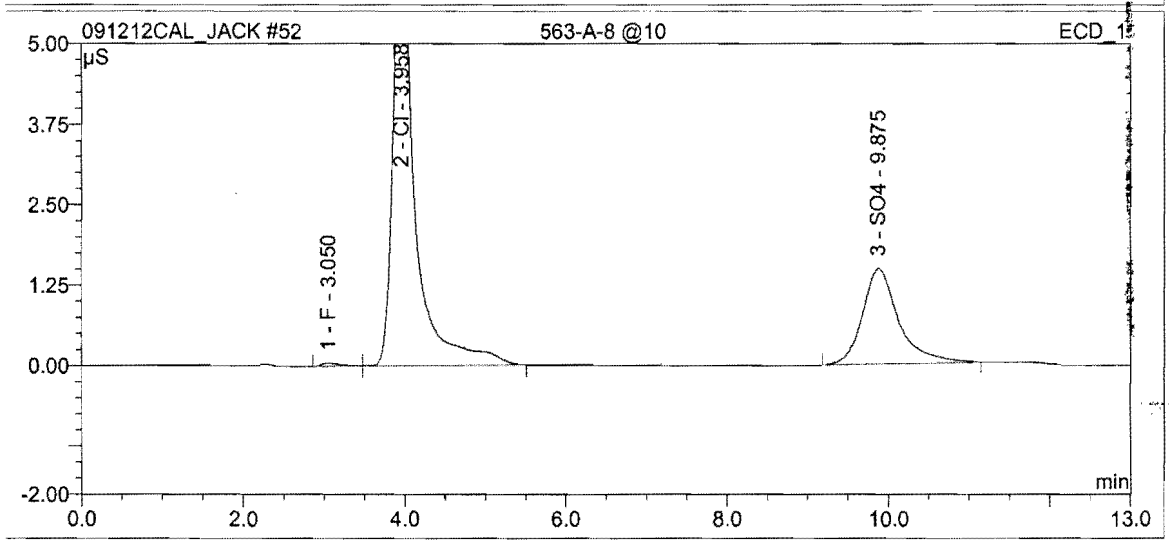
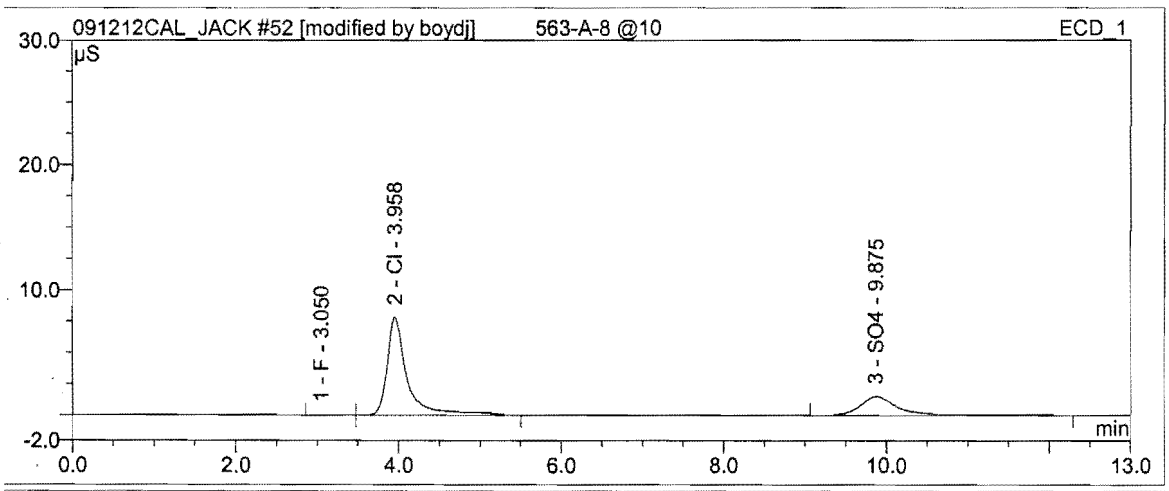


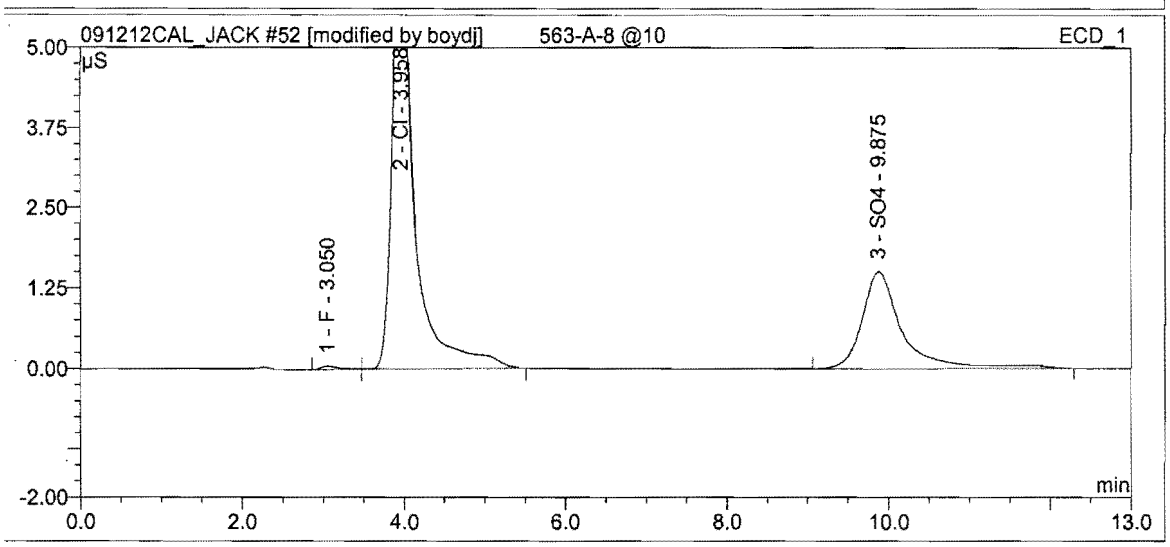


Integration Report - ECD_1

Sample Name:	**563-A-8 @10**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 23:26**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.05	F	BM	0.014	0.053	29.9833
2	3.96	Cl	MB	2.213	7.830	5848.0248
3	9.88	SO4	BMB*	0.867	1.501	3396.1183
		TOTAL:		3.09	9.38	9274.13





Integration Report - ECD_1

Sample Name:	**563-A-8 @50**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 23:41**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.06	F	BMB	0.011	0.019	24.0115
2	3.93	Cl	BMB	0.426	1.412	1125.8672
3	9.88	SO4	BMB	0.146	0.289	571.2693
		TOTAL:		0.58	1.72	1721.15

MI
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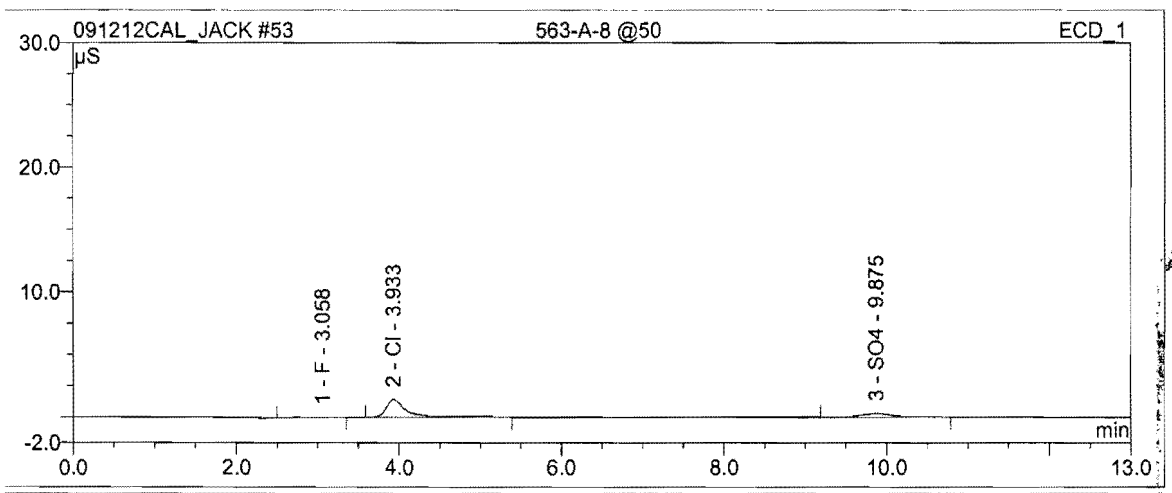
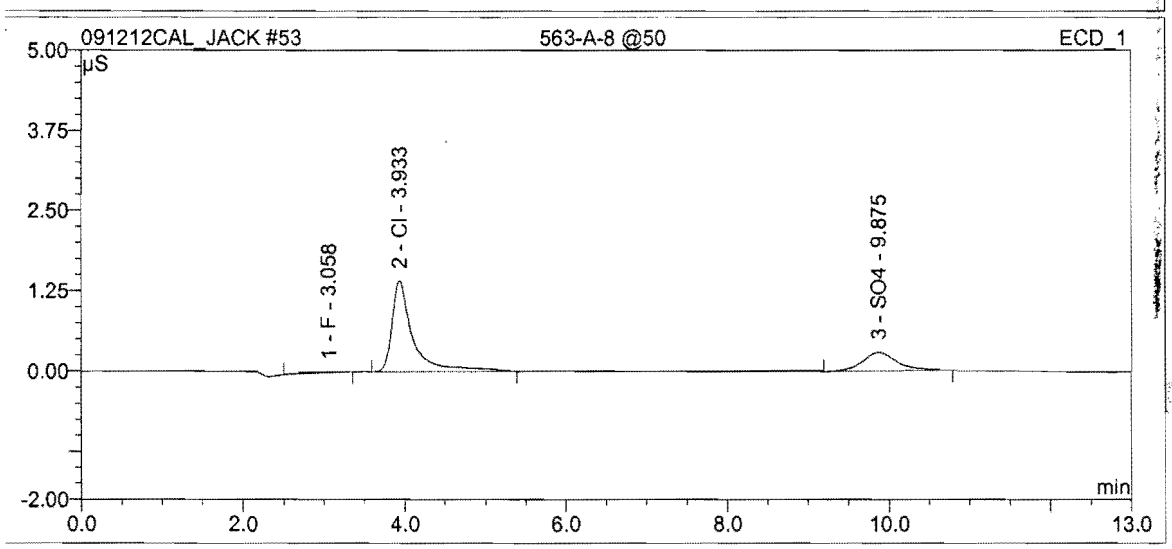


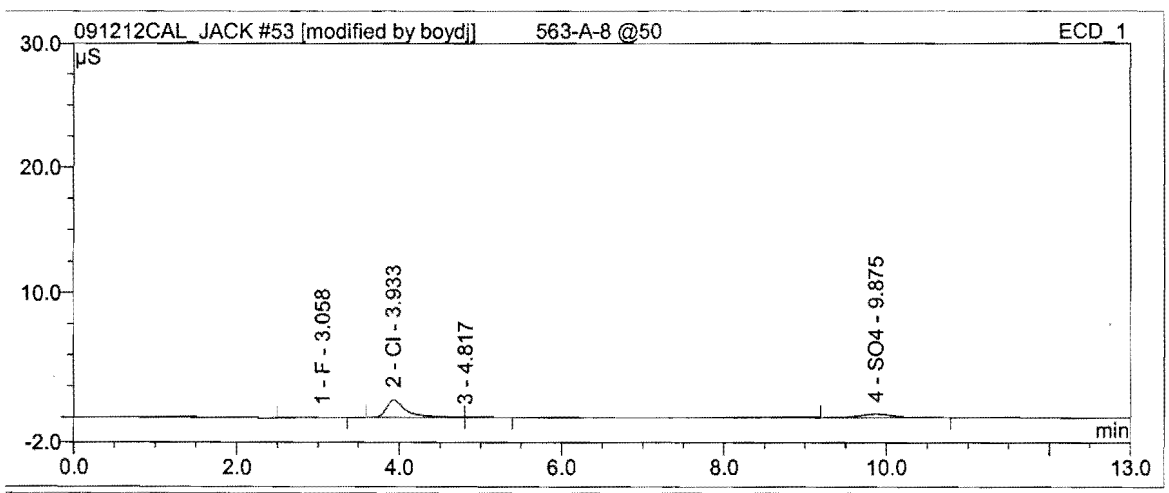


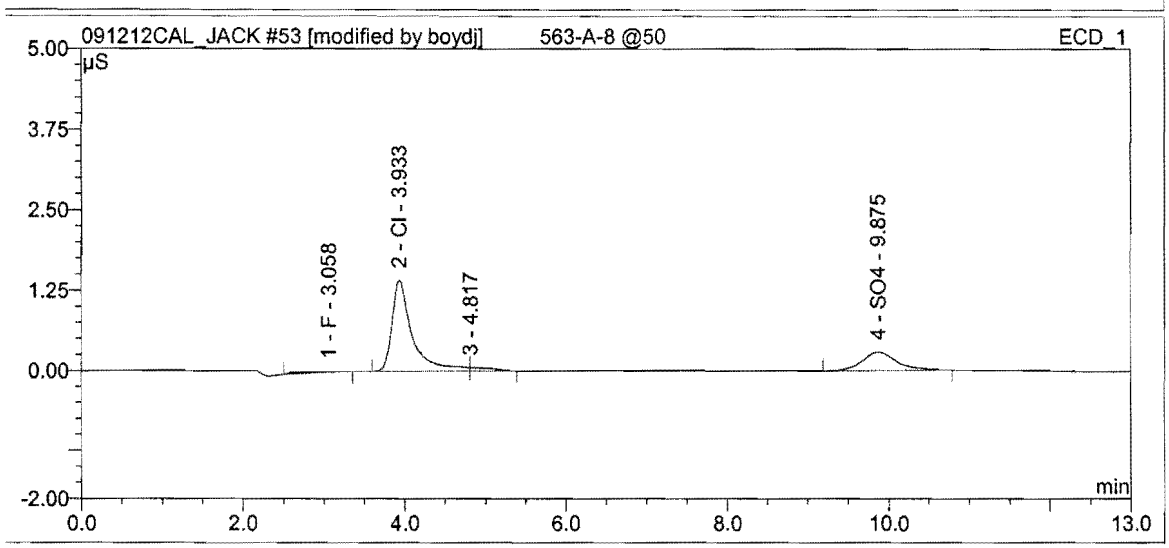
1. Peak Not Found
2. Incomplete Integration
3. Assign Peak
4. Wrong Peak
5. Baseline Smoothing
6. Split Peak -CI
7. Other

Integration Report - ECD_1

Sample Name:	**563-A-8 @50**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 23:41**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.06	F	BMB	0.011	0.019	24.0115
2	3.93	Cl	BM *	0.409	1.413	1080.7311
4	9.88	SO4	BMB	0.146	0.289	571.2693
		TOTAL:		0.57	1.72	1676.01



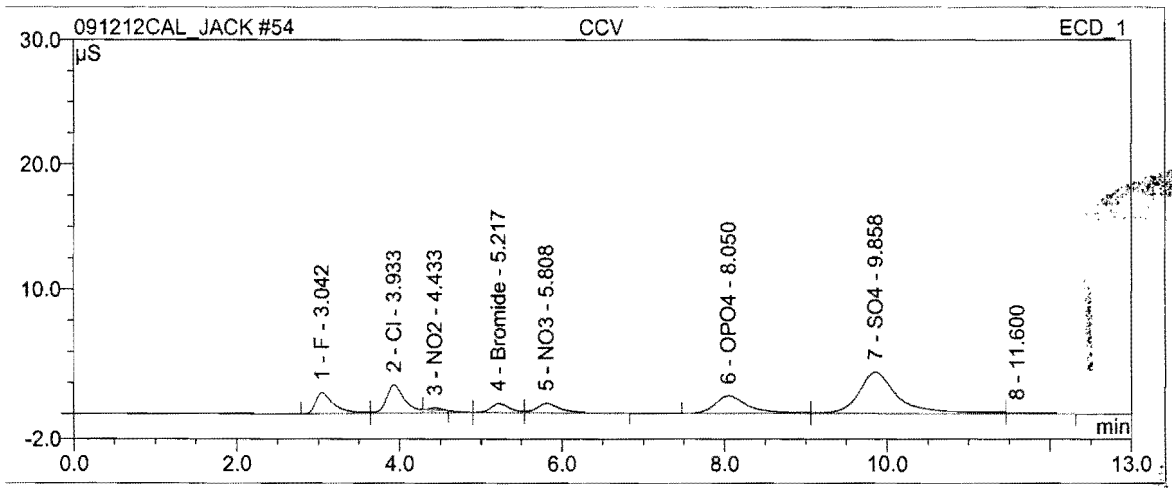


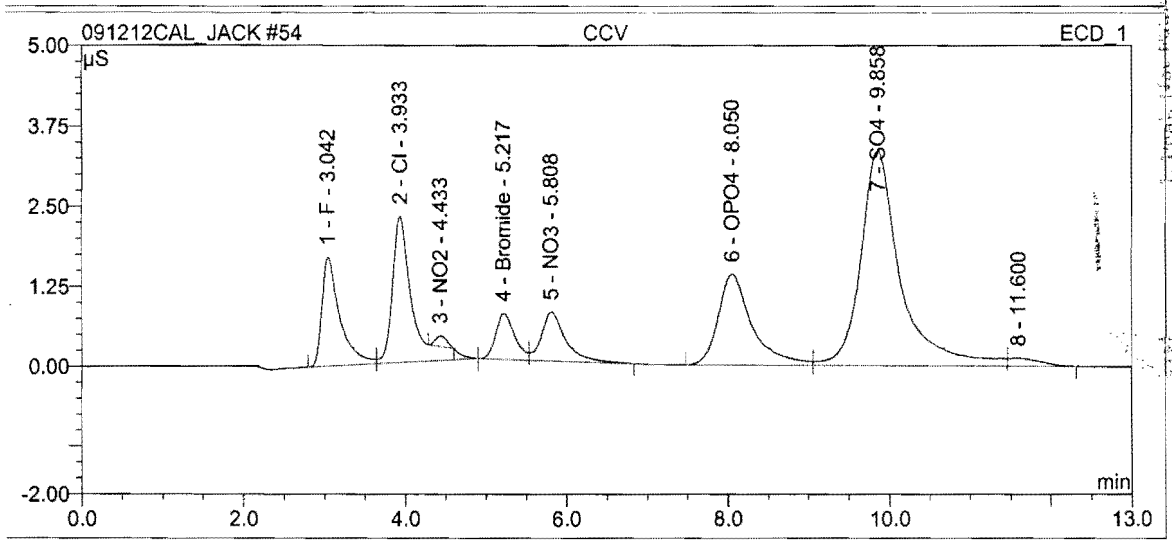
Integration Report - ECD_1

Sample Name:	**CCV**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 23:57**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.04	F	BM	0.437	1.701	930.1817
2	3.93	Cl	Mb	0.662	2.277	1749.0131
3	4.43	NO2	Rd	0.028	0.167	108.9732
4	5.22	Bromide	bM	0.198	0.717	1452.9760
5	5.81	NO3	MB	0.271	0.765	303.9933
6	8.05	OPO4	BM	0.692	1.424	7435.4943
7	9.86	SO4	M	1.918	3.358	7511.8394
		TOTAL:		4.21	10.41	19492.47

MI
JB
SEP 14 2012



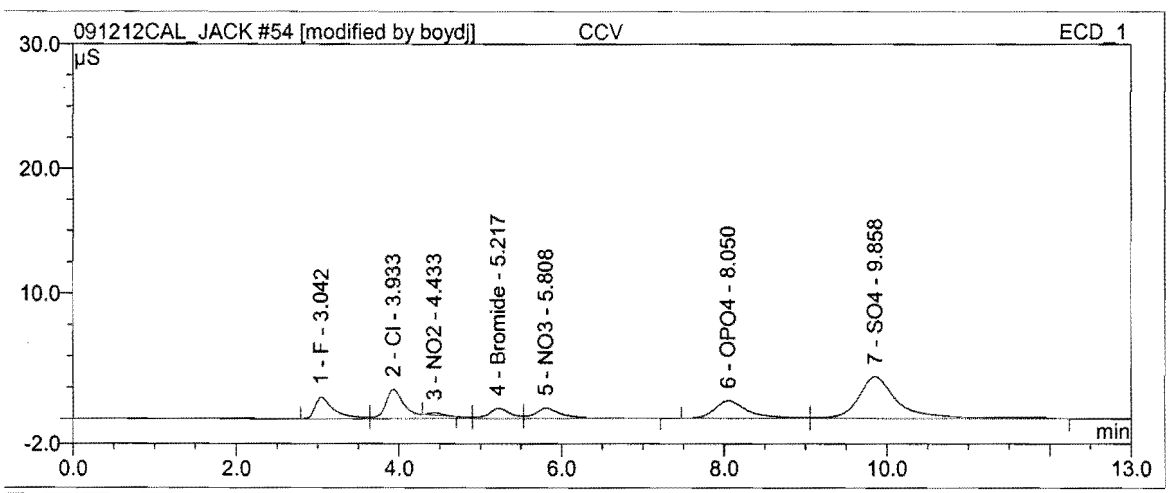


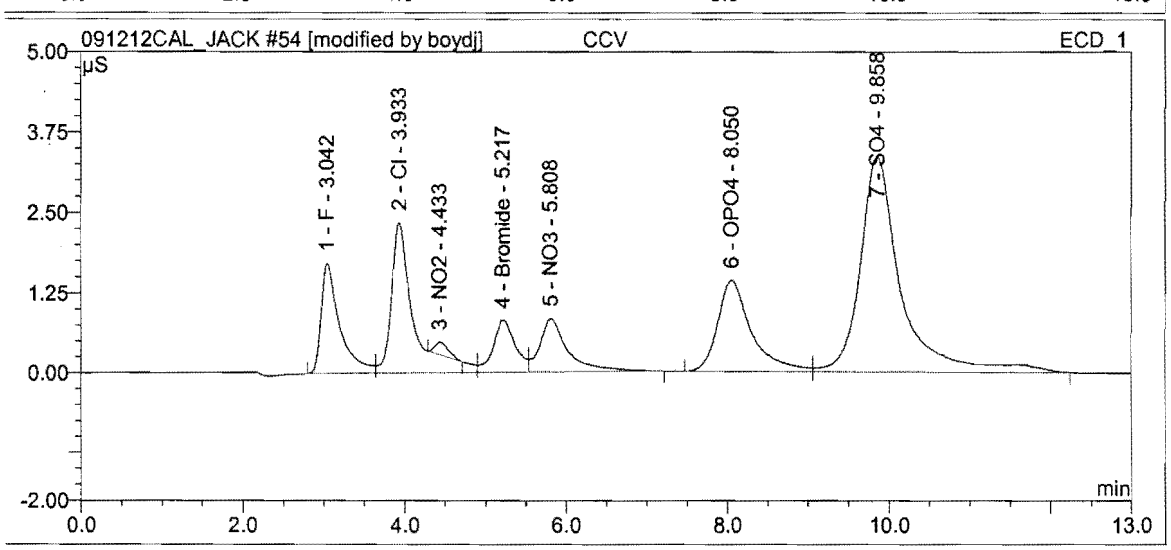
1. Int. Ver. Peak
2. Incomplete Integration
3. Assign Peak
4. Warp Peak - no split on SO4
5. Baseline Snapshot - NO2
6. Split Peak - Cl/Br pulled down
7. Other

Integration Report - ECD_1

Sample Name:	**CCV**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**12.09.12 23:57**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
1	3.04	F	BM *	0.457	1.714	972.1229
2	3.93	Cl	M *	0.751	2.339	1984.4369
3	4.43	NO2	Rd*	0.040	0.197	158.2164
4	5.22	Bromide	M *	0.261	0.816	1911.0670
5	5.81	NO3	MB*	0.338	0.834	378.6273
6	8.05	OPO4	BM *	0.690	1.424	7413.6921
7	9.86	SO4	MB*	1.960	3.354	7672.7184
			TOTAL:	4.50	10.68	20490.88

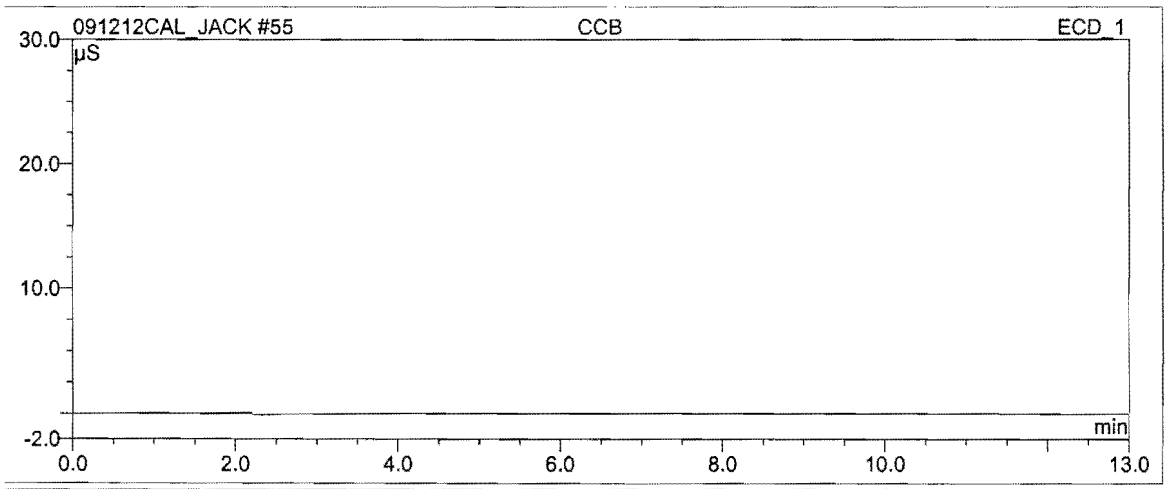


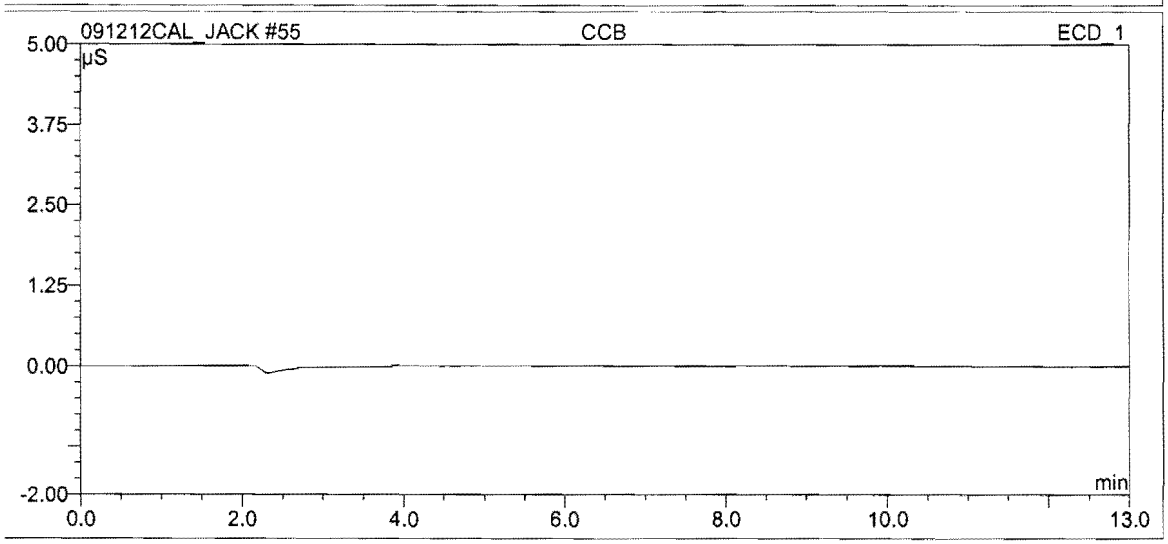


Integration Report - ECD_1

Sample Name:	**CCB**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SLIC03_local**	*Operator:*	**n.a.**
Inj. Date/Time:	**13.09.12 00:12**	*Run Time:*	**13.00**

No. ECD_1	Time ECD_1 min	Peak Name ECD_1	Type ECD_1	Area ECD_1 µS*min	Height ECD_1 µS	Amount ECD_1
		TOTAL:		0.00	0.00	0.00





Integration Report - ECD_1

Sample Name:	**END**	*Inj. Vol.:*	**50.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**SHUTDOWN**	*Operator:*	**n.a.**
Inj. Date/Time:	**13.09.12 00:27**	*Run Time:*	n.a.

n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
		TOTAL:		0.00	0.00	0.00

091212CAL_JACK #56 END ECD_1

Can't open raw data file "C:\Chromel\data\JACK\SEQUENCES\12SEPT\091212CAL_JACK.SEQ\ECD_1.CHL\8898.acd".
The system cannot find the file specified.

091212CAL_JACK #56 END ECD_1

Can't open raw data file "C:\Chromel\data\JACK\SEQUENCES\12SEPT\091212CAL_JACK.SEQ\ECD_1.CHL\8898.acd".
The system cannot find the file specified.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica St. Louis Job No.: 160-564-1

SDG No.:

Batch Number: 11071 Batch Start Date: 09/11/12 17:34 Batch Analyst: Boyd, Jacob

Batch Method: 300.0 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	IC 2nd Source 00002	IC Cal High 00007	IC MS Soln 00002		
ICV 160-11071/7		300.0		5 mL	2 mL				
ICB 160-11071/8		300.0		5 mL					
MB 160-11071/9		300.0		5 mL					
LCS 160-11071/10		300.0		5 mL	2 mL				
CCV 160-11071/19		300.0		5 mL		2 mL			
CCB 160-11071/20		300.0		5 mL					
160-564-A-1	PZ-113-AS	300.0	T	5 mL					
160-564-A-1 ^50	PZ-113-AS	300.0	T	5 mL					
160-564-A-1 MS	PZ-113-AS	300.0	T	5 mL			0.1 mL		
160-564-A-1 MS ^50	PZ-113-AS	300.0	T	5 mL			0.1 mL		
160-564-A-1 MSD	PZ-113-AS	300.0	T	5 mL			0.1 mL		
160-564-A-1 MSD ^50	PZ-113-AS	300.0	T	5 mL			0.1 mL		
CCV 160-11071/31		300.0		5 mL		2 mL			
CCB 160-11071/32		300.0		5 mL					
160-564-A-2	D-3	300.0	T	5 mL					
160-564-A-2 ^5	D-3	300.0	T	5 mL					
160-564-A-2 ^200	D-3	300.0	T	5 mL					
160-564-A-3	PZ-112-AS	300.0	T	5 mL					
160-564-A-3 ^50	PZ-112-AS	300.0	T	5 mL					
160-564-A-4	I-11	300.0	T	5 mL					
160-564-A-4 ^100	I-11	300.0	T	5 mL					
160-564-A-5	PZ-207-AS	300.0	T	5 mL					
160-564-A-5 ^100	PZ-207-AS	300.0	T	5 mL					
CCV 160-11071/42		300.0		5 mL		2 mL			
CCB 160-11071/43		300.0		5 mL					
160-564-A-6	D-12	300.0	T	5 mL					

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica St. Louis Job No.: 160-564-1

SDG No.:

Batch Number: 11071 Batch Start Date: 09/11/12 17:34 Batch Analyst: Boyd, Jacob

Batch Method: 300.0 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	IC 2nd Source 00002	IC Cal High 00007	IC MS Soln 00002		
160-564-A-6 ^100	D-12	300.0	T	5 mL					
160-564-A-7	PZ-305-AI	300.0	T	5 mL					
160-564-A-7 ^20	PZ-305-AI	300.0	T	5 mL					
160-564-A-8	S-10	300.0	T	5 mL					
160-564-A-8 ^100	S-10	300.0	T	5 mL					
160-564-A-9	DUP 05	300.0	T	5 mL					
160-564-A-9 ^200	DUP 05	300.0	T	5 mL					
CCV 160-11071/52		300.0		5 mL		2 mL			
CCB 160-11071/53		300.0		5 mL					

Batch Notes	
Balance ID	1123051741
Eluent 1 Lot	Conc. Eluent ID: 17579, Working Eluent ID: 29081
Pipette ID	IC-5, IC-3, WC-A

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica St. Louis Job No.: 160-564-1

SDG No.:

Batch Number: 11075 Batch Start Date: 09/12/12 10:20 Batch Analyst: Boyd, Jacob

Batch Method: 300.0 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	IC 2nd Source 00002	IC Cal High 00007	IC MS Soln 00002		
ICV 160-11075/7		300.0		5 mL	2 mL				
ICB 160-11075/8		300.0		5 mL					
MB 160-11075/9		300.0		5 mL					
LCS 160-11075/10		300.0		5 mL	2 mL				
160-564-A-2 ^200	D-3	300.0	T	5 mL					
160-564-A-3 ^50	PZ-112-AS	300.0	T	5 mL					
160-564-A-4 ^100	I-11	300.0	T	5 mL					
160-564-A-5 ^100	PZ-207-AS	300.0	T	5 mL					
160-564-A-6 ^100	D-12	300.0	T	5 mL					
160-564-A-7 ^20	PZ-305-AI	300.0	T	5 mL					
160-564-A-8 ^100	S-10	300.0	T	5 mL					
160-564-A-9 ^200	DUP 05	300.0	T	5 mL					
CCV 160-11075/19		300.0		5 mL		2 mL			
CCB 160-11075/20		300.0		5 mL					
160-563-A-3 MS		300.0	T	5 mL			0.1 mL		
CCV 160-11075/31		300.0		5 mL		2 mL			
CCB 160-11075/32		300.0		5 mL					
160-563-A-4 MS ^50		300.0	T	5 mL			0.1 mL		
160-563-A-4 MSD		300.0	T	5 mL			0.1 mL		
160-563-A-4 MSD ^50		300.0	T	5 mL			0.1 mL		
CCV 160-11075/42		300.0		5 mL		2 mL			
CCB 160-11075/43		300.0		5 mL					

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica St. Louis Job No.: 160-564-1

SDG No.:

Batch Number: 11075 Batch Start Date: 09/12/12 10:20 Batch Analyst: Boyd, Jacob

Batch Method: 300.0 Batch End Date:

Batch Notes	
Balance ID	1123051741
Eluent 1 Lot	Conc. Eluent ID: 17579, Working Eluent ID: 29081
Pipette ID	IC-5, IC-3, WC-A

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

Login Sample Receipt Checklist

Client: Engineering Management Support, Inc.

Job Number: 160-564-1

Login Number: 564

List Source: TestAmerica St. Louis

List Number: 1

Creator: Claxton, Steven

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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	3,3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received 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	
Sample Preservation Verified.	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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	