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Level IV Data Package

MWH Group 194620

Method: 314

Sample No.:

2701300206

2701300450

Perchlorate QC Checklist

rev: 27 Mar 03

Analysis Date: 02-01-07 Analyst: Paja

QC'd by M Date 5 Feb 07

Instrument: IC 11

Calculated MCT Level: 3155 umhos/cm

Original IPC conductance: 3063 umhos/cm

Daily IPC conductance: 3054 umhos/cm

Batch # 1

Calibration including QCS

- QCS (20ppb) recovery is within 90% - 110% (18-22ppb) to verify that the calibration curve (minimum 5 points) still holds.
- Calibration curve is reanalyzed if QCS fails. Correlation Coefficient is 0.995 or better.

Initial QC Check Samples (MLBANK, MRL, ICCSCV, IPC) to be analyzed with every batch (up to 20 samples) or part thereof

MLBANK is analyzed before samples. Perchlorate, if present, is $<$ or $=$ half of the MRL.

L-ClO₄ only: ICCSCV at 2ppb is within 50%-150% (1-3ppb)

ClO₄ only: MRL at 4ppb is within 75%-125% (3-5ppb)

IPC (25ppb) recovery is between 80%-120% (20-30ppb)

IPC retention time is within 5% of the retention time of the standards

IPC Conductance level is within 10% of the original

$$PDA/H = 3.3\% \checkmark$$

LCS/LCSD (25ppb)

Recoveries are between 90%-110% (22.5 - 27.5ppb)

One pair is analyzed per batch (up to 20 samples) or part thereof

MS/MSD (25ppb) NOTE: For UCMR, MS/MSD concentrations alternate between 4ppb and 25ppb

Recoveries are within 80%-120% (20-30ppb) for 25ppb spike N/A (3.2-4.8ppb) for 4ppb spike

One pair is analyzed per batch (up to 20 samples) or part thereof

RPD between MS and MSD is within 15%.

Continuing Calibration Verification (MCV, HCV) NOTE: For UCMR ECV and MCV are required

Verification Checks alternate between mid- and high-level during the analysis (low- and mid-level for UCMR)

MCV (25ppb) recovery is between 85%-115% (21.25 - 28.75ppb)

HCV (100ppb) recovery is between 85%-115% (85-115ppb) N/A ECV (4ppb) recovery is between 75%-125% (3.0-5.0)

Pretreat and include the following QC parameters for any batch or part thereof containing samples requiring pretreatment

One Laboratory Reagent Blank (LRB). Perchlorate is $<$ or $=$ half of MRL.

One pair of Laboratory Control Samples (LCS/LCSD). Recovery of perchlorate is between 85%-115%.

One Pair of Laboratory Fortified Matrices (MS/MSD). Recoveries are between 80%-120%

Samples

All samples are analyzed within 28 days of collection.

All samples are analyzed within MCT Conductance limit.

QIR

QIR needed for failed QC

QIR needed for samples analyzed outside of hold time

Sample No.	Sample Name	Dil.Fac.	Comment	Time	Amount	CLO4 CD_1
1	autocal1	1.0		01.25.07 16:34		n.a.
2	autocal2	1.0	RAJA060913-2	01.25.07 16:56	2.7128	
3	autocal3	1.0	RAJA060913-3	01.25.07 17:17	3.9787	
4	autocal4	1.0	RAJA060913-4	01.25.07 17:38	9.8626	
5	autocal5	1.0	RAJA060913-5	01.25.07 18:00	24.9280	
6	autocal6	1.0	RAJA060913-6	01.25.07 18:21	50.0506	
7	autocal7	1.0	RAJA060913-7	01.25.07 18:43	99.9930	
8	WASH	1.0		02.01.07 09:47		n.a.
9	WASH	1.0		02.01.07 10:08		n.a.
10	QCS	1.0		02.01.07 10:30	20.4335	102%
11	IPC	1.0		02.01.07 10:51	22.8182	91.3%
12	MBLK	1.0		02.01.07 11:12		n.a.
13	MRL-2	1.0		02.01.07 11:34	1.7913	89.6%
14	MRL-4	1.0		02.01.07 11:55	✓ 3.7498	93.7%
15	LCS1	1.0		02.01.07 12:17	✓ 23.6975	94.8%
16	LCS2	1.0		02.01.07 12:38	✓ 23.4035	93.6%
17	2701300347_1/500	500.0		02.01.07 12:59	✓ 9402.7607	
18	2701300347MS	1.0		02.01.07 13:21	✓ 42.6768	23.9 - 95.6%
19	2701300347MSD	1.0		02.01.07 13:42	✓ 42.4093	23.6 - 94.4%
20	2701300348_1/100	100.0		02.01.07 14:04	3607.8964	✓
21	2701300349_1/100	100.0		02.01.07 14:25	2892.3181	✓
22	2701300350_1/200	200.0		02.01.07 14:46	8391.9560	✓
23	2701300351_1/5000	5000.0		02.01.07 15:08	329314.2375	✓
24	2701300206_1/5000 ✓	5000.0		02.01.07 15:29	200725.2987	✓
25	2701300450_1/5 ✓	5.0		02.01.07 15:51		n.a. ✓
26	2701300716_1/5	5.0		02.01.07 16:12		n.a. ✓
27	2701300717_1/5000	5000.0		02.01.07 16:33	212783.1705	✓
28	2701310037_1/50000	50000.0		02.01.07 16:55	1846111.1884	✓
29	CCV	1.0		02.01.07 17:16	24.1829	96.7%
30	2701310038_1/50000	50000.0		02.01.07 17:38	1763800.1035	✓
31	2701310039_1/50000DN	50000.0		02.01.07 17:59	1965718.2004	✓
32	2701310040_1/50000	50000.0		02.01.07 18:20	1771080.3939	✓
33	2701310041_1/50000	50000.0		02.01.07 18:42	1481958.0441	✓
34	2701310042_1/50000	50000.0		02.01.07 19:03	1391466.3947	✓
35	2701310043_1/50000	50000.0		02.01.07 19:25	1546265.2347	✓
36	2701310044_1/50000	50000.0		02.01.07 19:46	788576.8919	✓
37	2701310045_1/50000	50000.0		02.01.07 20:07	599933.7268	✓
38	2701310046_1/50000	50000.0		02.01.07 20:29	952234.6825	✓
39	2701310047_1/50000	50000.0		02.01.07 20:50	1104553.0347	✓
40	HCV	1.0		02.01.07 21:12	103.3783	103%
41	WASH	1.0		02.01.07 21:33		n.a.
42	WASH	1.0		02.01.07 21:54		n.a.
43	QCS	1.0		02.01.07 22:16	19.3813	96.9%
44	IPC	1.0		02.01.07 22:37	22.8380	91.4%

45	MBLK	1.0	02.01.07 22:58	n.a.	
46	MRL-2	1.0	02.01.07 23:20	1.9283	96.4%
47	MRL-4	1.0	02.01.07 23:41	✓3.6712	91.8%
48	LCS1	1.0	02.02.07 00:03	✓24.3463	97.4%
49	LCS2	1.0	02.02.07 00:24	✓24.9022	99.6%
50	2702010348	1.0	02.02.07 00:45	5.4681	✓
51	2702010349	1.0	02.02.07 01:07	6.1112	✓
52	2702010350	1.0	02.02.07 01:28	6.5739	✓
53	2702010351	1.0	02.02.07 01:50	2.2254	✓
54	2702010351MS	1.0	02.02.07 02:11	✓23.1478	20.9 - 83.7%
55	2702010351MSD	1.0	02.02.07 02:32	✓23.3859	21.2 - 84.6%
56	2701300138_1/10000	10000.0	02.02.07 02:54	697848.7090	✓
57	2701310048_1/50000	50000.0	02.02.07 03:15	1134236.1063	✓
58	2701310049_1/50000	50000.0	02.02.07 03:37	1895615.6745	✓
59	2701310050_1/50000	50000.0	02.02.07 03:58	2564073.4635	✓
60	2701310051_1/50000	50000.0	02.02.07 04:19	1279539.7702	✓
61	2701310052_1/50000	50000.0	02.02.07 04:41	3124542.5443	✓
62	CCV	1.0	02.02.07 05:02	23.7715	95.1%
63	2701310053_1/10000	10000.0	02.02.07 05:24	996572.0038	✓
64	2701310054_1/50000	50000.0	02.02.07 05:45	1330076.8747	✓
65	2701310055_1/50000	50000.0	02.02.07 06:06	1840312.8012	✓
66	2701310056_1/500	500.0	02.02.07 06:28	20299.7432	✓
67	2701310057_1/500	500.0	02.02.07 06:49	17346.6543	✓
68	2701310058_1/50000	50000.0	02.02.07 07:11	783264.6740	✓
69	2701310059_1/50000	50000.0	02.02.07 07:32	1346541.0357	✓
70	2701310060_1/500	500.0	02.02.07 07:53	7202.1531	✓
71	2701310061_1/10000	10000.0	02.02.07 08:15	522814.0257	✓
72	2701310063_1/50000	50000.0	02.02.07 08:36	2970098.1387	✓
73	HCV	1.0	02.02.07 08:58	103.1783	105%
74	MDL-1RAJA	1.0	02.02.07 09:19	1.6633	
75	MDL-2RAJA	1.0	02.02.07 09:40	1.7286	
76	MDL-3RAJA	1.0	02.02.07 10:02	2.2499	
77	DOC-1RAJA	1.0	02.02.07 10:23	23.3241	

vB:NM
2/7/07

CONDUCTIVITY MW SOP REVISION 5
SM2510B

Analysis Date: 2-01-07
Analyst: Raja
Reviewed By: _____
LIMS Check By: _____

Time of Analysis Start: _____ End: _____

MRL 2umhos/cm: R# _____ exp of solution: _____
KCl Std 1412 R# 201420 exp of solution 03/07
TV = 1412 umho/cm @ 25°C for 0.0100M
Reading: 1418
Instrument: YSI Model 3200 SN:01A0504 Year Acquired 2001 New

Was QC Criteria Met: Y N
Was QIR Needed: Y N

Run #	Sample Number	Sample ID	Client	Date Collected	Temp °C	pH	Scale (umho/mho)	Result		Comments
								Instrument	Reported (umho/cm)	
	Blank						MS	0.4389		
STD	MRL 2umhos/cm							N/A		
STD	KCl - 1000 mhos/cm							985		1-3 --- ±50% of TV 950-1050 --- ±5% of TV
1	2701300206	Influent	Kerridge	1-29-07				8946		
2	347	PC-119						5830		
3	348	-120						5056		
4	349	-121						4761		
5	350	-133						6134		
6	351	Art-9						9755		
7	450	Effluent						9013		
8	716	EFF-COMP		1-27-07				9069		
9	717	INF-COMP						9074		
10	2701310637	I-O		1-30-07				1563		
DUP	↓	↓						15.63		
11	038	-P						15.97		RPD < 5%
12	039	-H						17.14		
13	040	-U						17.45		
14	041	-Q						17.75		
15	042	-F						15.48		
16	043	-N						13.12		
17	044	-E						MS 9999		
18	045	-M						↓ 9999		
19	046	-D						ms 11.26		
20	047	-C						MS 9999		
DUP	↓	↓						↓ 9999		
STD	KCl - 10 mhos/cm							N/A		RPD < 5% 8-12 --- RPD < 20% of TV

$$\% RPD = \frac{|S1 - S2|}{(S1 + S2)/2} * 100$$

S1 = reading of 1st sample
S2 = reading of 2nd sample

Sequence: 020107-CLO4-IC11
Operator: raja

Page 1 of 4
Printed: 2/3/2007 5:18:16 PM

Title:

Datasource: IC-SERVER_local
Location: IC11\2007\FEB
Timebase: IC11
#Samples: 77

Created: 1/31/2007 7:37:59 PM by raja
Last Update: 2/2/2007 3:32:53 PM by raja

No.	Name	Dil. Factor	Type	Comment	Status	Program
1	autocal1	1.0000	Standard		Finished	Perchlorate-IC11
2	autocal2	1.0000	Standard	RAJA060913-2	Finished	Perchlorate-IC11
3	autocal3	1.0000	Standard	RAJA060913-3	Finished	Perchlorate-IC11
4	autocal4	1.0000	Standard	RAJA060913-4	Finished	Perchlorate-IC11
5	autocal5	1.0000	Standard	RAJA060913-5	Finished	Perchlorate-IC11
6	autocal6	1.0000	Standard	RAJA060913-6	Finished	Perchlorate-IC11
7	autocal7	1.0000	Standard	RAJA060913-7	Finished	Perchlorate-IC11
8	WASH	1.0000	Unknown		Finished	Perchlorate-IC11
9	WASH	1.0000	Unknown		Finished	Perchlorate-IC11
10	QCS	1.0000	Unknown		Finished	Perchlorate-IC11
11	IPC	1.0000	Unknown		Finished	Perchlorate-IC11
12	MBLK	1.0000	Unknown		Finished	Perchlorate-IC11
13	MRL-2	1.0000	Unknown		Finished	Perchlorate-IC11
14	MRL-4	1.0000	Unknown		Finished	Perchlorate-IC11
15	LCS1	1.0000	Unknown		Finished	Perchlorate-IC11
16	LCS2	1.0000	Unknown		Finished	Perchlorate-IC11
17	2701300347_1/500	500.0000	Unknown		Finished	Perchlorate-IC11
18	2701300347MS	1.0000	Unknown		Finished	Perchlorate-IC11
19	2701300347MSD	1.0000	Unknown		Finished	Perchlorate-IC11
20	2701300348_1/100	100.0000	Unknown		Finished	Perchlorate-IC11
21	2701300349_1/100	100.0000	Unknown		Finished	Perchlorate-IC11
22	2701300350_1/200	200.0000	Unknown		Finished	Perchlorate-IC11
23	2701300351_1/5000	5000.0000	Unknown		Finished	Perchlorate-IC11
24	2701300206_1/5000	5000.0000	Unknown		Finished	Perchlorate-IC11
25	2701300450_1/5	5.0000	Unknown		Finished	Perchlorate-IC11
26	2701300716_1/5	5.0000	Unknown		Finished	Perchlorate-IC11
27	2701300717_1/5000	5000.0000	Unknown		Finished	Perchlorate-IC11
28	2701310037_1/50000	50000.0000	Unknown		Finished	Perchlorate-IC11
29	CCV	1.0000	Unknown		Finished	Perchlorate-IC11
30	2701310038_1/50000	50000.0000	Unknown		Finished	Perchlorate-IC11
31	2701310039_1/50000DNR	50000.0000	Unknown		Finished	Perchlorate-IC11
32	2701310040_1/50000	50000.0000	Unknown		Finished	Perchlorate-IC11
33	2701310041_1/50000	50000.0000	Unknown		Finished	Perchlorate-IC11
34	2701310042_1/50000	50000.0000	Unknown		Finished	Perchlorate-IC11
35	2701310043_1/50000	50000.0000	Unknown		Finished	Perchlorate-IC11
36	2701310044_1/50000	50000.0000	Unknown		Finished	Perchlorate-IC11
37	2701310045_1/50000	50000.0000	Unknown		Finished	Perchlorate-IC11
38	2701310046_1/50000	50000.0000	Unknown		Finished	Perchlorate-IC11
39	2701310047_1/50000	50000.0000	Unknown		Finished	Perchlorate-IC11
40	HCV	1.0000	Unknown		Finished	Perchlorate-IC11
41	WASH	1.0000	Unknown		Finished	Perchlorate-IC11
42	WASH	1.0000	Unknown		Finished	Perchlorate-IC11

Sequence: 020107-CLO4-IC11
Operator: raja

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Printed: 2/3/2007 5:18:16 PM

Title:

Datasource: IC-SERVER_local
Location: IC11\2007\FEB
Timebase: IC11
#Samples: 77

Created: 1/31/2007 7:37:59 PM by raja
Last Update: 2/2/2007 3:32:53 PM by raja

No.	Name	Method	Inj. Date/Time	*Analyst
1	autocal1	IC#4-CLO4-LOW	1/25/2007 4:34:41 PM	Raja
2	autocal2	IC#4-CLO4-LOW	1/25/2007 4:56:05 PM	Raja
3	autocal3	IC#4-CLO4-LOW	1/25/2007 5:17:28 PM	Raja
4	autocal4	IC#4-CLO4-LOW	1/25/2007 5:38:52 PM	Raja
5	autocal5	IC#4-CLO4-LOW	1/25/2007 6:00:16 PM	Raja
6	autocal6	IC#4-CLO4-LOW	1/25/2007 6:21:39 PM	Raja
7	autocal7	IC#4-CLO4-LOW	1/25/2007 6:43:02 PM	Raja
8	WASH	IC#4-CLO4-LOW	2/1/2007 9:47:23 AM	Raja
9	WASH	IC#4-CLO4-LOW	2/1/2007 10:08:46 AM	Raja
10	QCS	IC#4-CLO4-LOW	2/1/2007 10:30:10 AM	Raja
11	IPC	IC#4-CLO4-LOW	2/1/2007 10:51:34 AM	Raja
12	MBLK	IC#4-CLO4-LOW	2/1/2007 11:12:58 AM	Raja
13	MRL-2	IC#4-CLO4-LOW	2/1/2007 11:34:21 AM	Raja
14	MRL-4	IC#4-CLO4-LOW	2/1/2007 11:55:45 AM	Raja
15	LCS1	IC#4-CLO4-LOW	2/1/2007 12:17:09 PM	Raja
16	LCS2	IC#4-CLO4-LOW	2/1/2007 12:38:32 PM	Raja
17	2701300347_1/500	IC#4-CLO4-LOW	2/1/2007 12:59:56 PM	Raja
18	2701300347MS	IC#4-CLO4-LOW	2/1/2007 1:21:20 PM	Raja
19	2701300347MSD	IC#4-CLO4-LOW	2/1/2007 1:42:43 PM	Raja
20	2701300348_1/100	IC#4-CLO4-LOW	2/1/2007 2:04:07 PM	Raja
21	2701300349_1/100	IC#4-CLO4-LOW	2/1/2007 2:25:31 PM	Raja
22	2701300350_1/200	IC#4-CLO4-LOW	2/1/2007 2:46:55 PM	Raja
23	2701300351_1/5000	IC#4-CLO4-LOW	2/1/2007 3:08:18 PM	Raja
24	2701300206_1/5000	IC#4-CLO4-LOW	2/1/2007 3:29:42 PM	Raja
25	2701300450_1/5	IC#4-CLO4-LOW	2/1/2007 3:51:06 PM	Raja
26	2701300716_1/5	IC#4-CLO4-LOW	2/1/2007 4:12:29 PM	Raja
27	2701300717_1/5000	IC#4-CLO4-LOW	2/1/2007 4:33:53 PM	Raja
28	2701310037_1/50000	IC#4-CLO4-LOW	2/1/2007 4:55:17 PM	Raja
29	CCV	IC#4-CLO4-LOW	2/1/2007 5:16:40 PM	Raja
30	2701310038_1/50000	IC#4-CLO4-LOW	2/1/2007 5:38:04 PM	Raja
31	2701310039_1/50000DNR	IC#4-CLO4-LOW	2/1/2007 5:59:28 PM	Raja
32	2701310040_1/50000	IC#4-CLO4-LOW	2/1/2007 6:20:51 PM	Raja
33	2701310041_1/50000	IC#4-CLO4-LOW	2/1/2007 6:42:15 PM	Raja
34	2701310042_1/50000	IC#4-CLO4-LOW	2/1/2007 7:03:39 PM	Raja
35	2701310043_1/50000	IC#4-CLO4-LOW	2/1/2007 7:25:02 PM	Raja
36	2701310044_1/50000	IC#4-CLO4-LOW	2/1/2007 7:46:26 PM	Raja
37	2701310045_1/50000	IC#4-CLO4-LOW	2/1/2007 8:07:50 PM	Raja
38	2701310046_1/50000	IC#4-CLO4-LOW	2/1/2007 8:29:14 PM	Raja
39	2701310047_1/50000	IC#4-CLO4-LOW	2/1/2007 8:50:37 PM	Raja
40	HCV	IC#4-CLO4-LOW	2/1/2007 9:12:01 PM	Raja
41	WASH	IC#4-CLO4-LOW	2/1/2007 9:33:24 PM	Raja
42	WASH	IC#4-CLO4-LOW	2/1/2007 9:54:48 PM	Raja

Sequence: 020107-CLO4-IC11
Operator: raja

Title:

Datasource: IC-SERVER_local
Location: IC11\2007\FEB
Timebase: IC11
#Samples: 77

Created: 1/31/2007 7:37:59 PM by raja
Last Update: 2/2/2007 3:32:53 PM by raja

No.	Name	Dil. Factor	Type	Comment	Status	Program
43	QCS	1.0000	Unknown		Finished	Perchlorate-IC11
44	IPC	1.0000	Unknown		Finished	Perchlorate-IC11
45	MBLK	1.0000	Unknown		Finished	Perchlorate-IC11
46	MRL-2	1.0000	Unknown		Finished	Perchlorate-IC11
47	MRL-4	1.0000	Unknown		Finished	Perchlorate-IC11
48	LCS1	1.0000	Unknown		Finished	Perchlorate-IC11
49	LCS2	1.0000	Unknown		Finished	Perchlorate-IC11
50	2702010348	1.0000	Unknown		Finished	Perchlorate-IC11
51	2702010349	1.0000	Unknown		Finished	Perchlorate-IC11
52	2702010350	1.0000	Unknown		Finished	Perchlorate-IC11
53	2702010351	1.0000	Unknown		Finished	Perchlorate-IC11
54	2702010351MS	1.0000	Unknown		Finished	Perchlorate-IC11
55	2702010351MSD	1.0000	Unknown		Finished	Perchlorate-IC11
56	2701300138_1/10000	10000.0000	Unknown		Finished	Perchlorate-IC11
57	2701310048_1/50000	50000.0000	Unknown		Finished	Perchlorate-IC11
58	2701310049_1/50000	50000.0000	Unknown		Finished	Perchlorate-IC11
59	2701310050_1/50000	50000.0000	Unknown		Finished	Perchlorate-IC11
60	2701310051_1/50000	50000.0000	Unknown		Finished	Perchlorate-IC11
61	2701310052_1/50000	50000.0000	Unknown		Finished	Perchlorate-IC11
62	CCV	1.0000	Unknown		Finished	Perchlorate-IC11
63	2701310053_1/10000	10000.0000	Unknown		Finished	Perchlorate-IC11
64	2701310054_1/50000	50000.0000	Unknown		Finished	Perchlorate-IC11
65	2701310055_1/50000	50000.0000	Unknown		Finished	Perchlorate-IC11
66	2701310056_1/500	500.0000	Unknown		Finished	Perchlorate-IC11
67	2701310057_1/500	500.0000	Unknown		Finished	Perchlorate-IC11
68	2701310058_1/50000	50000.0000	Unknown		Finished	Perchlorate-IC11
69	2701310059_1/50000	50000.0000	Unknown		Finished	Perchlorate-IC11
70	2701310060_1/500	500.0000	Unknown		Finished	Perchlorate-IC11
71	2701310061_1/10000	10000.0000	Unknown		Finished	Perchlorate-IC11
72	2701310063_1/50000	50000.0000	Unknown		Finished	Perchlorate-IC11
73	HCV	1.0000	Unknown		Finished	Perchlorate-IC11
74	MDL-1RAJA	1.0000	Unknown		Finished	Perchlorate-IC11
75	MDL-2RAJA	1.0000	Unknown		Finished	Perchlorate-IC11
76	MDL-3RAJA	1.0000	Unknown		Finished	Perchlorate-IC11
77	DOC-1RAJA	1.0000	Unknown		Finished	Perchlorate-IC11

Sequence: 020107-CLO4-IC11
Operator: raja

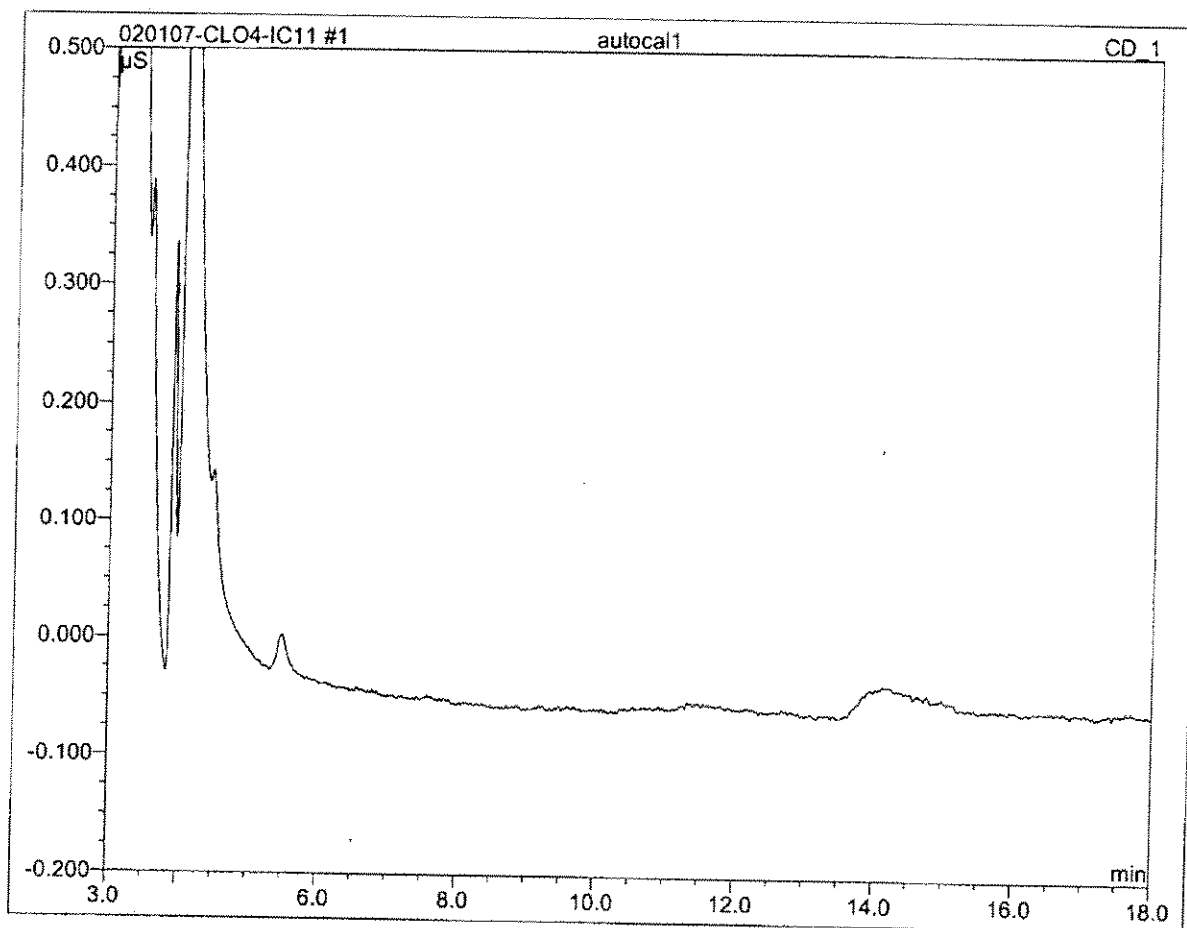
Page 4 of 4
Printed: 2/3/2007 5:18:17 PM

Title:
Datasource: IC-SERVER_local
Location: IC11\2007\FEB
Timebase: IC11
#Samples: 77

Created: 1/31/2007 7:37:59 PM by raja
Last Update: 2/2/2007 3:32:53 PM by raja

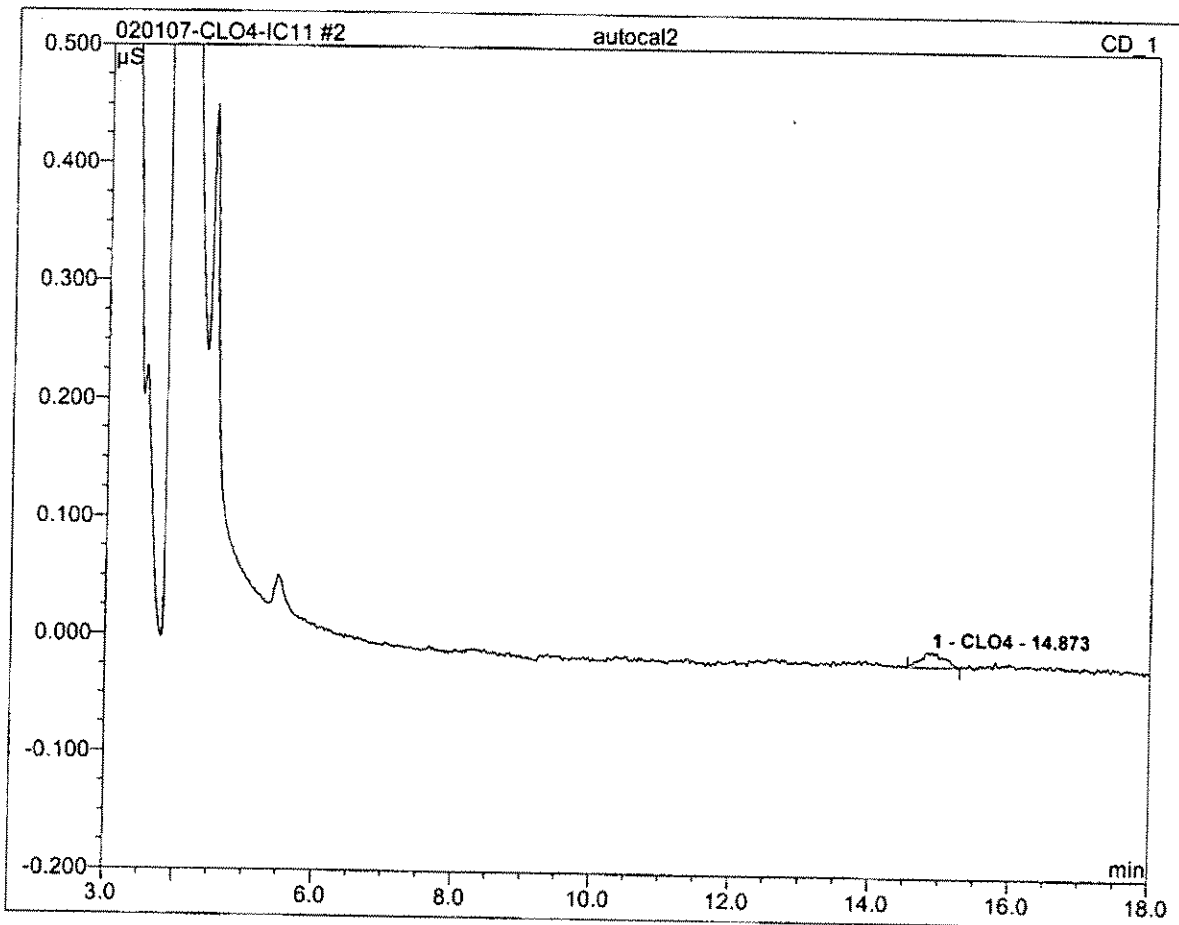
No.	Name	Method	Inj. Date/Time	*Analyst
43	QCS	IC#4-CLO4-LOW	2/1/2007 10:16:11 PM	Raja
44	IPC	IC#4-CLO4-LOW	2/1/2007 10:37:35 PM	Raja
45	MBLK	IC#4-CLO4-LOW	2/1/2007 10:58:59 PM	Raja
46	MRL-2	IC#4-CLO4-LOW	2/1/2007 11:20:22 PM	Raja
47	MRL-4	IC#4-CLO4-LOW	2/1/2007 11:41:46 PM	Raja
48	LCS1	IC#4-CLO4-LOW	2/2/2007 12:03:10 AM	Raja
49	LCS2	IC#4-CLO4-LOW	2/2/2007 12:24:33 AM	Raja
50	2702010348	IC#4-CLO4-LOW	2/2/2007 12:45:57 AM	Raja
51	2702010349	IC#4-CLO4-LOW	2/2/2007 1:07:20 AM	Raja
52	2702010350	IC#4-CLO4-LOW	2/2/2007 1:28:44 AM	Raja
53	2702010351	IC#4-CLO4-LOW	2/2/2007 1:50:08 AM	Raja
54	2702010351MS	IC#4-CLO4-LOW	2/2/2007 2:11:31 AM	Raja
55	2702010351MSD	IC#4-CLO4-LOW	2/2/2007 2:32:55 AM	Raja
56	2701300138_1/10000	IC#4-CLO4-LOW	2/2/2007 2:54:19 AM	Raja
57	2701310048_1/50000	IC#4-CLO4-LOW	2/2/2007 3:15:42 AM	Raja
58	2701310049_1/50000	IC#4-CLO4-LOW	2/2/2007 3:37:05 AM	Raja
59	2701310050_1/50000	IC#4-CLO4-LOW	2/2/2007 3:58:29 AM	Raja
60	2701310051_1/50000	IC#4-CLO4-LOW	2/2/2007 4:19:52 AM	Raja
61	2701310052_1/50000	IC#4-CLO4-LOW	2/2/2007 4:41:16 AM	Raja
62	CCV	IC#4-CLO4-LOW	2/2/2007 5:02:40 AM	Raja
63	2701310053_1/10000	IC#4-CLO4-LOW	2/2/2007 5:24:03 AM	Raja
64	2701310054_1/50000	IC#4-CLO4-LOW	2/2/2007 5:45:27 AM	Raja
65	2701310055_1/50000	IC#4-CLO4-LOW	2/2/2007 6:06:51 AM	Raja
66	2701310056_1/500	IC#4-CLO4-LOW	2/2/2007 6:28:14 AM	Raja
67	2701310057_1/500	IC#4-CLO4-LOW	2/2/2007 6:49:38 AM	Raja
68	2701310058_1/50000	IC#4-CLO4-LOW	2/2/2007 7:11:02 AM	Raja
69	2701310059_1/50000	IC#4-CLO4-LOW	2/2/2007 7:32:25 AM	Raja
70	2701310060_1/500	IC#4-CLO4-LOW	2/2/2007 7:53:49 AM	Raja
71	2701310061_1/10000	IC#4-CLO4-LOW	2/2/2007 8:15:13 AM	Raja
72	2701310063_1/50000	IC#4-CLO4-LOW	2/2/2007 8:36:36 AM	Raja
73	HCV	IC#4-CLO4-LOW	2/2/2007 8:58:00 AM	Raja
74	MDL-1RAJA	IC#4-CLO4-LOW	2/2/2007 9:19:24 AM	Raja
75	MDL-2RAJA	IC#4-CLO4-LOW	2/2/2007 9:40:48 AM	Raja
76	MDL-3RAJA	IC#4-CLO4-LOW	2/2/2007 10:02:11 AM	Raja
77	DOC-1RAJA	IC#4-CLO4-LOW	2/2/2007 10:23:36 AM	Raja

1 autocal1			
Sample Name:	autocal1	Channel:	CD_1
Sample Type:	standard	Control Program:	Perchlorate-IC11
Recording Time:	01/25/2007 16:34	Quantif. Method:	IC#4-CLO4-LOW
Analyst:	Raja	Dilution Factor:	1.0000



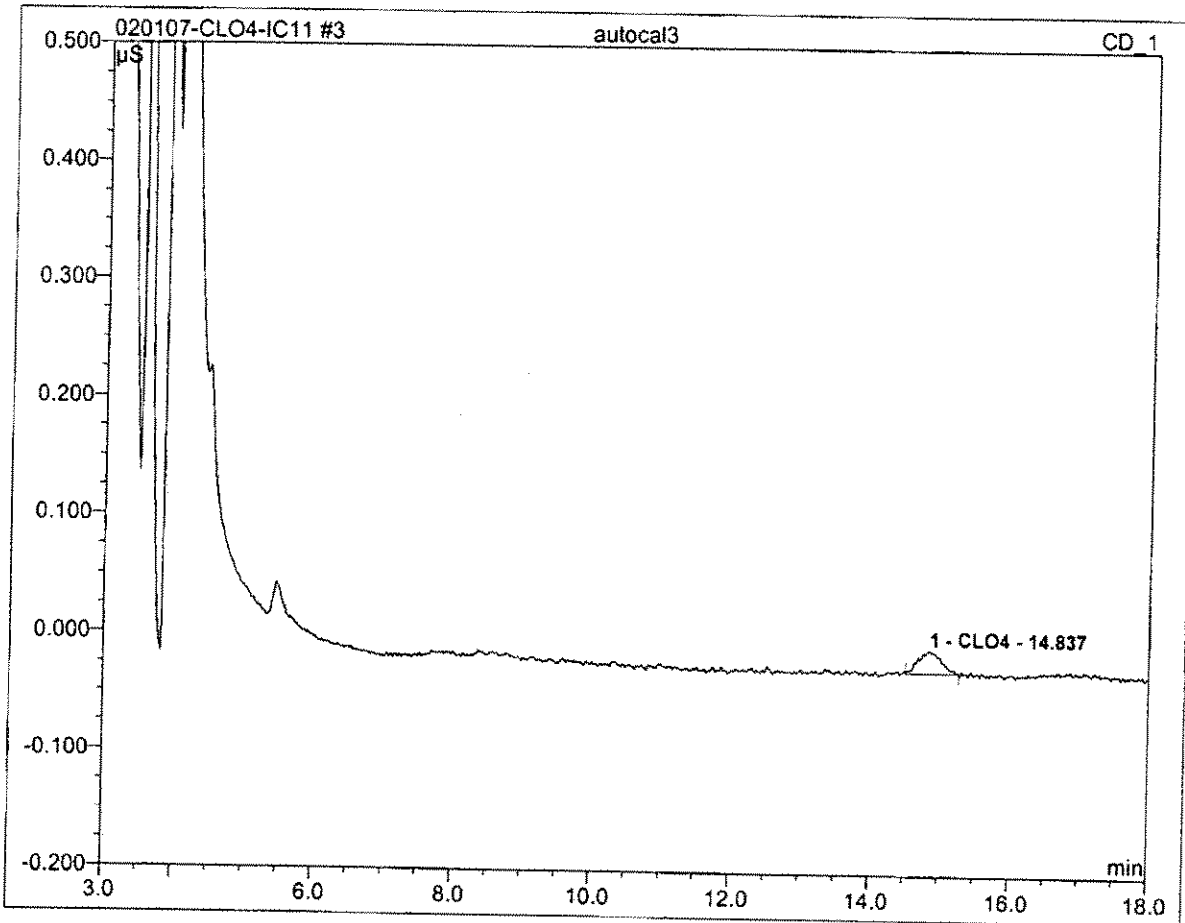
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
Total:			0.000	0.000	0.00	0.000	

2 autocal2			
RAJA060913-2			
Sample Name:	autocal2	Channel:	CD_1
Sample Type:	standard	Control Program:	Perchlorate-IC11
Recording Time:	01/25/2007 16:56	Quantif. Method:	IC#4-CLO4-LOW
Analyst:	Raja	Dilution Factor:	1.0000



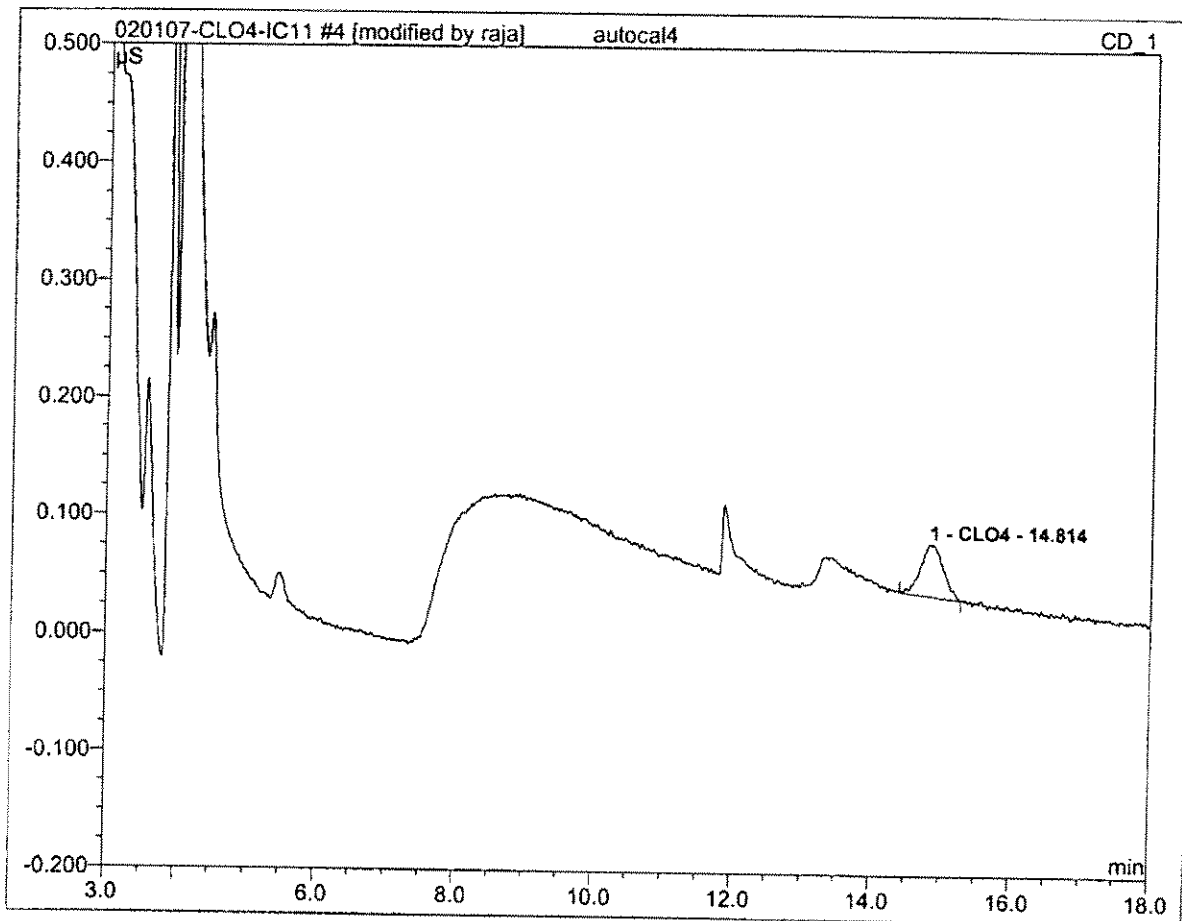
No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	14.87	CLO4	0.013	0.005	100.00	2.713	BMB
Total:			0.013	0.005	100.00	2.713	

3 autocal3			
RAJA060913-3			
Sample Name:	autocal3	Channel:	CD_1
Sample Type:	standard	Control Program:	Perchlorate-IC11
Recording Time:	01/25/2007 17:17	Quantif. Method:	IC#4-CLO4-LOW
Analyst:	Raja	Dilution Factor:	1.0000



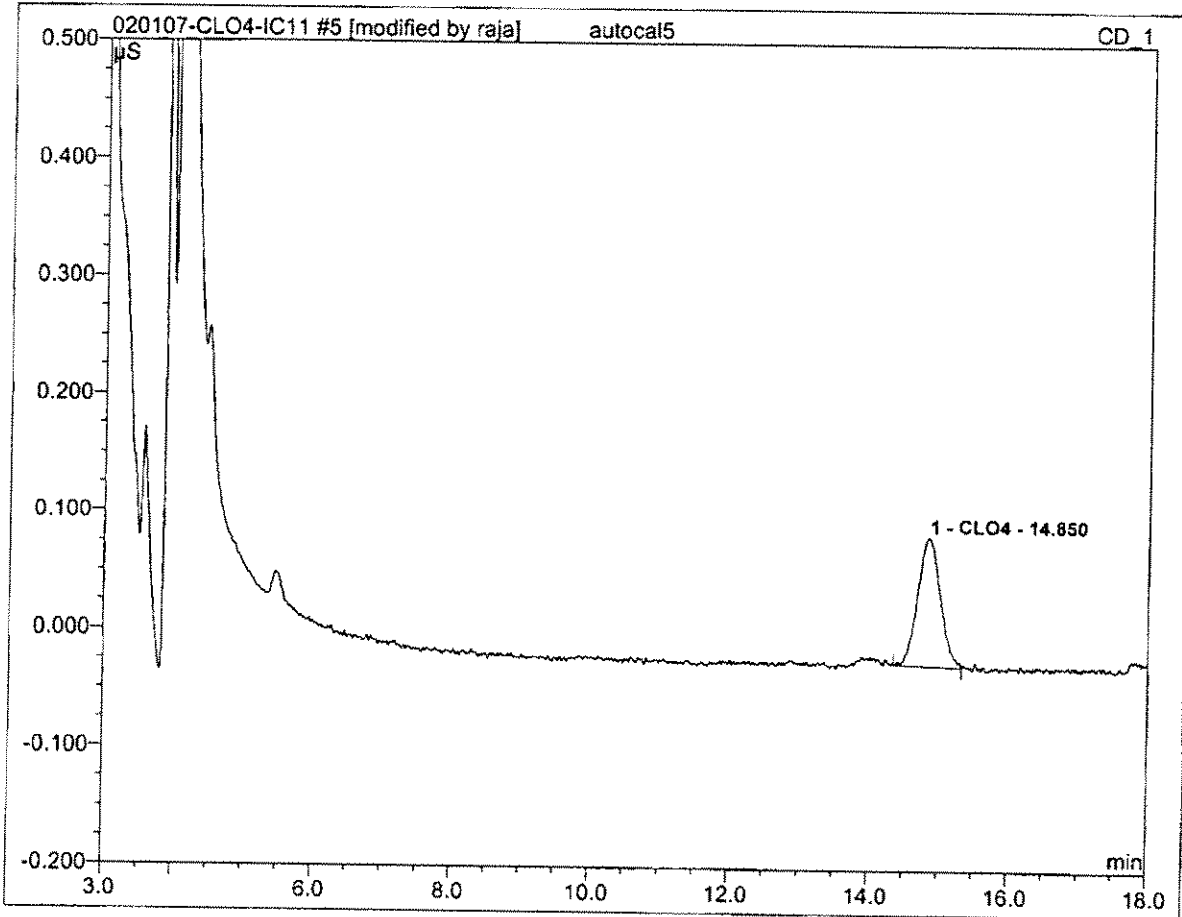
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	14.84	CLO4	0.019	0.007	100.00	3.979	BMB
Total:			0.019	0.007	100.00	3.979	

4 autocal4			
RAJA060913-4			
Sample Name:	autocal4	Channel:	CD_1
Sample Type:	standard	Control Program:	Perchlorate-IC11
Recording Time:	01/25/2007 17:38	Quantif. Method:	IC#4-CLO4-LOW
Analyst:	Raja	Dilution Factor:	1.0000



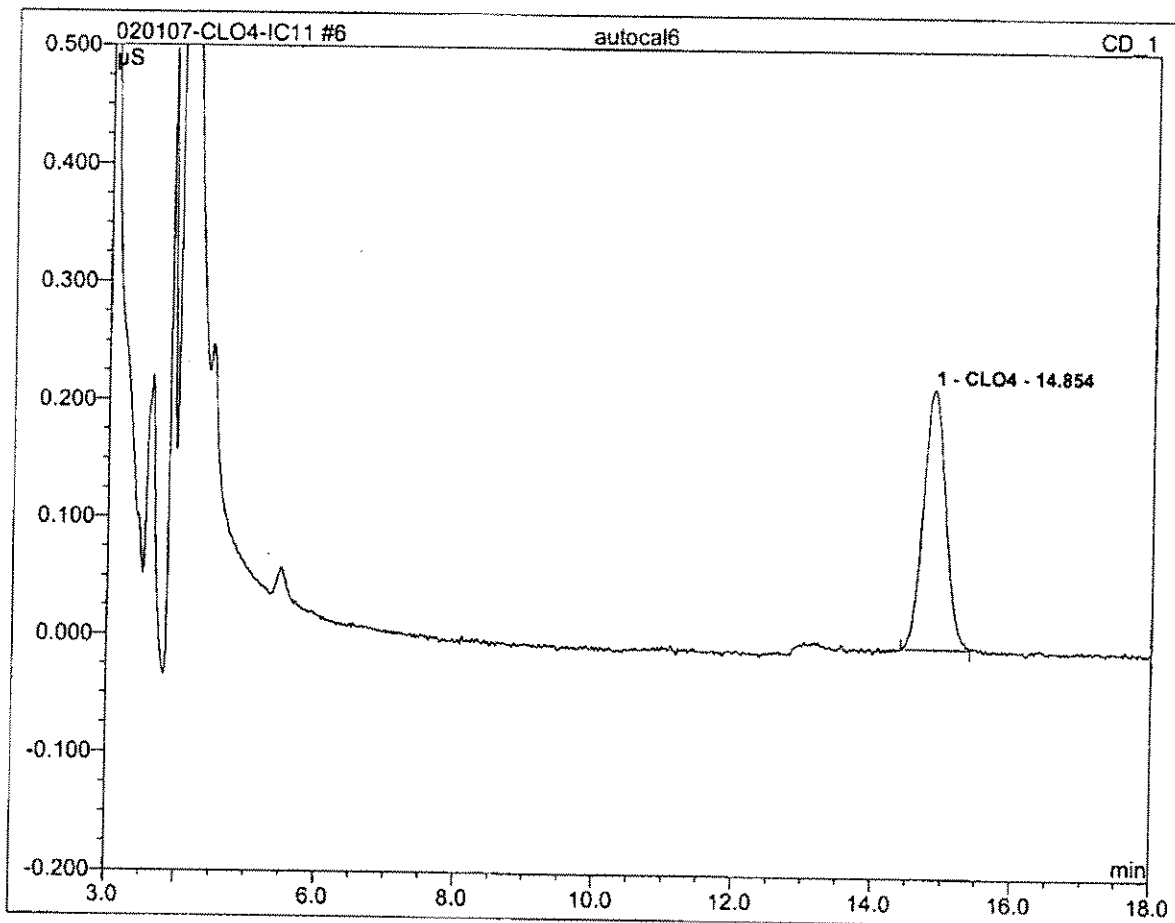
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	14.81	CLO4	0.044	0.017	100.00	9.863	BMB*
Total:			0.044	0.017	100.00	9.863	

5 autocal5			
RAJA060913-5			
Sample Name:	autocal5	Channel:	CD_1
Sample Type:	standard	Control Program:	Perchlorate-IC11
Recording Time:	01/25/2007 18:00	Quantif. Method:	IC#4-CLO4-LOW
Analyst:	Raja	Dilution Factor:	1.0000



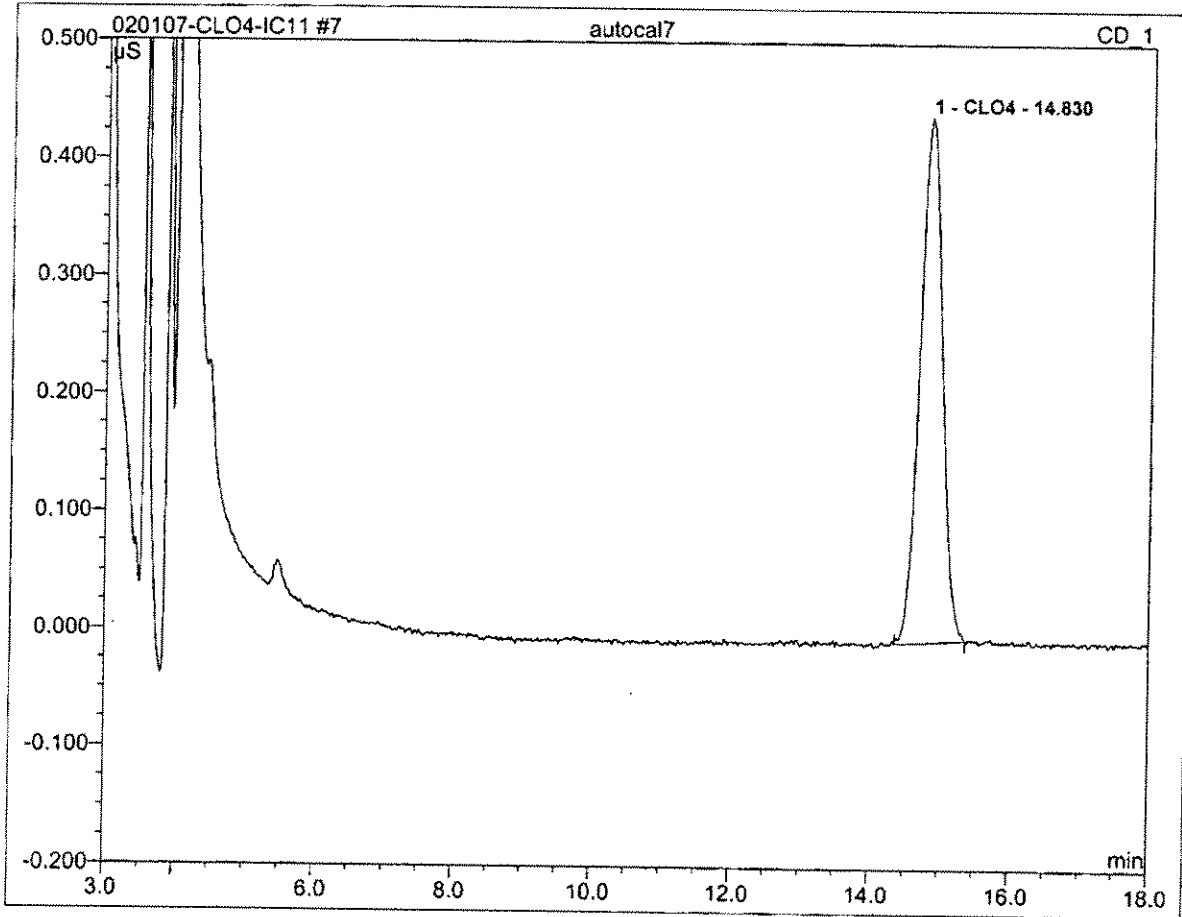
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	14.85	CLO4	0.109	0.041	100.00	24.928	BMB*
Total:			0.109	0.041	100.00	24.928	

6 autocal6			
RAJA060913-6			
Sample Name:	autocal6	Channel:	CD_1
Sample Type:	standard	Control Program:	Perchlorate-IC11
Recording Time:	01/25/2007 18:21	Quantif. Method:	IC#4-CLO4-LOW
Analyst:	Raja	Dilution Factor:	1.0000



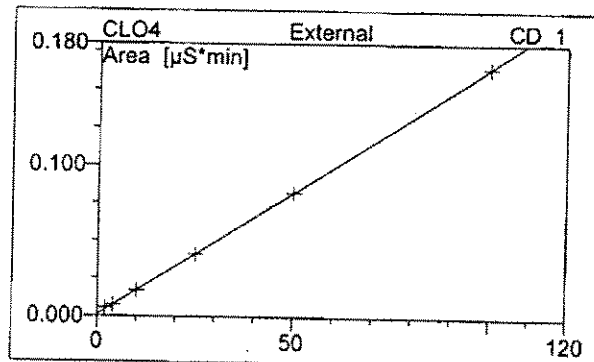
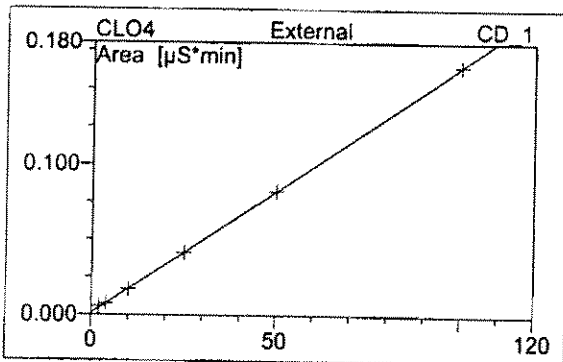
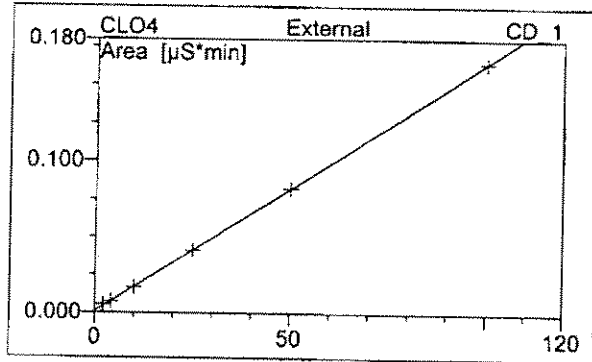
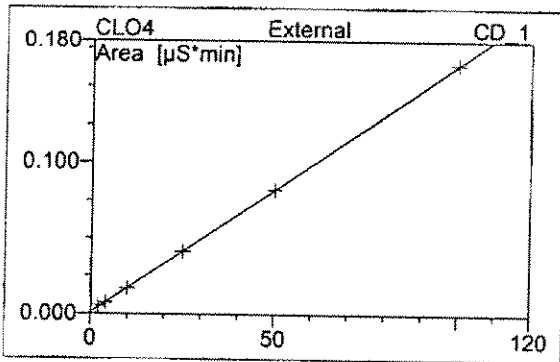
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	14.85	CLO4	0.222	0.082	100.00	50.051	BMB
Total:			0.222	0.082	100.00	50.051	

7 autocal7			
RAJA060913-7			
Sample Name:	autocal7	Channel:	CD_1
Sample Type:	standard	Control Program:	Perchlorate-IC11
Recording Time:	01/25/2007 18:43	Quantif. Method:	IC#4-CLO4-LOW
Analyst:	Raja	Dilution Factor:	1.0000



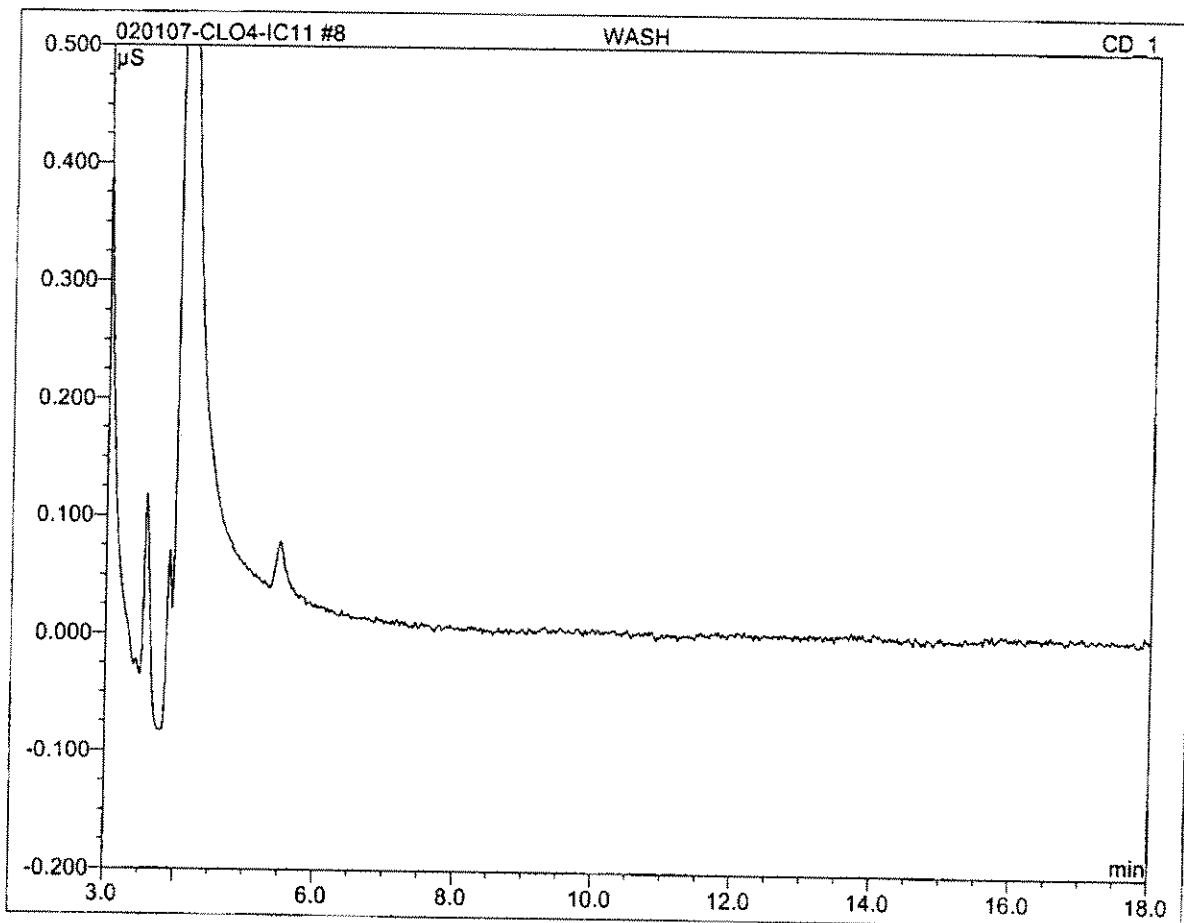
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	14.83	CLO4	0.446	0.164	100.00	99.993	BMB
Total:			0.446	0.164	100.00	99.993	

7 autocal7	
RAJA060913-7	
Sample Name: autocal7	Injection Volume: 20.0
Vial Number: 109	Channel: CD_1
Sample Type: standard	Wavelength: n.a.
Control Program: Perchlorate-IC11	Bandwidth: n.a.
Quantif. Method: IC#4-CLO4-LOW	Dilution Factor: 1.0000
Recording Time: 1/25/2007 18:43	Sample Weight: 1.0000
Run Time (min): 19.00	Sample Amount: 1.0000



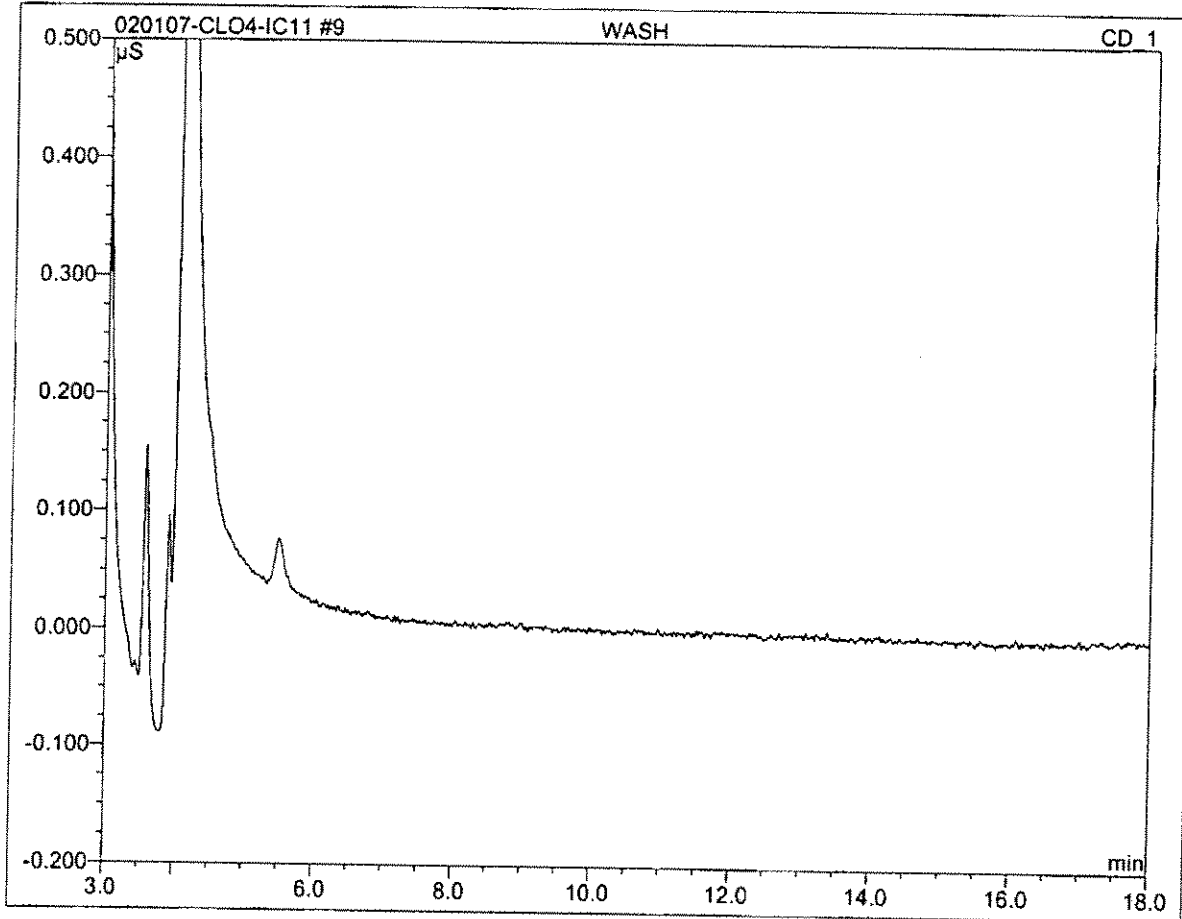
No.	Ret.Time min	Peak Name	Cal.Type	Points	Corr.Coeff. %	Offset	Slope	Curve
1	14.83	CLO4	0QOff	6	99.9950	0.0008	0.0016	0.0000
Average:					99.9950	0.0008	0.0016	0.0000

8 WASH			
Sample Name:	WASH	Channel:	CD_1
Sample Type:	unknown	Control Program:	Perchlorate-IC11
Recording Time:	02/01/2007 09:47	Quantif. Method:	IC#4-CLO4-LOW
Analyst:	Raja	Dilution Factor:	1.0000



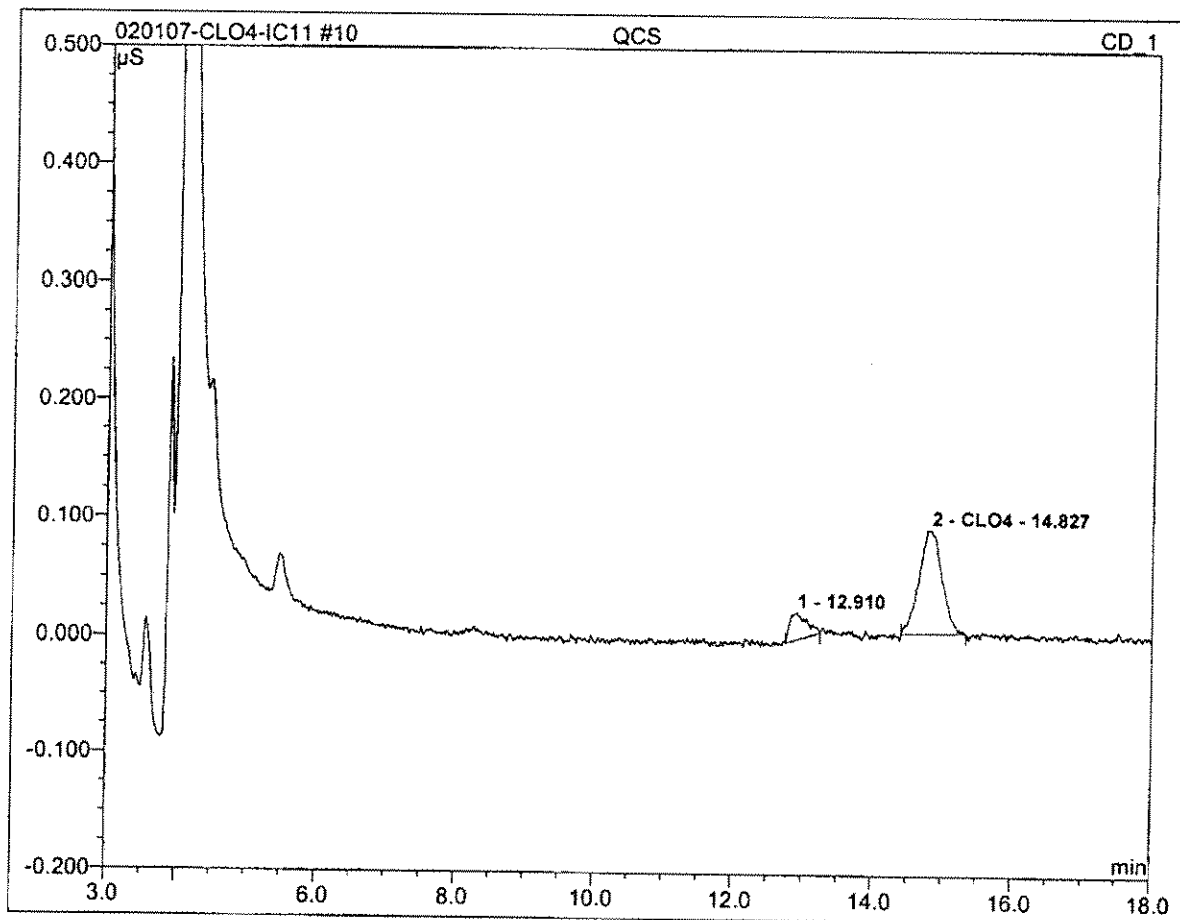
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
Total:			0.000	0.000	0.00	0.000	

9 WASH			
Sample Name:	WASH	Channel:	CD_1
Sample Type:	unknown	Control Program:	Perchlorate-IC11
Recording Time:	02/01/2007 10:08	Quantif. Method:	IC#4-CLO4-LOW
Analyst:	Raja	Dilution Factor:	1.0000



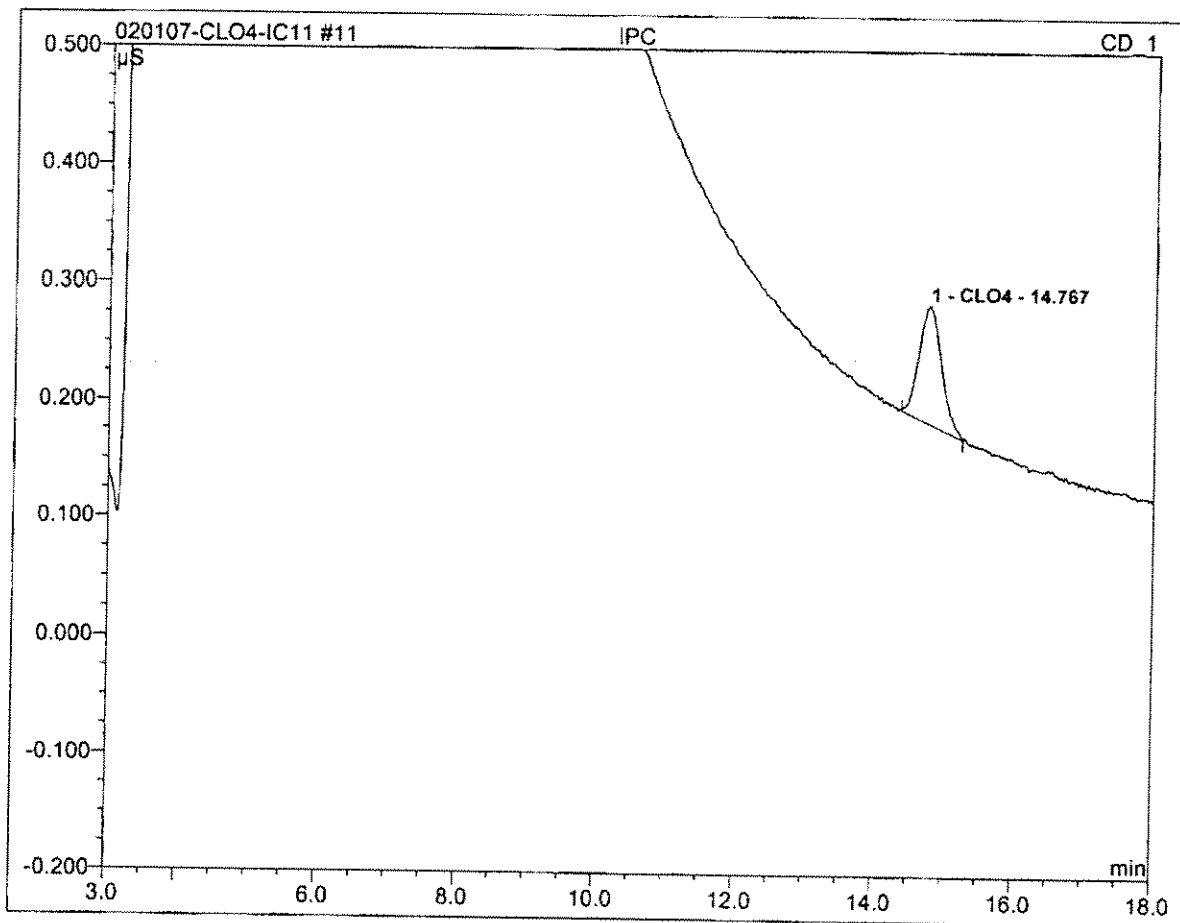
No.	Ret. Time min	Peak Name	Height μS	Area $\mu\text{S}\cdot\text{min}$	Rel. Area %	Amount	Type
Total:			0.000	0.000	0.00	0.000	

10 QCS			
Sample Name:	QCS	Channel:	CD_1
Sample Type:	unknown	Control Program:	Perchlorate-IC11
Recording Time:	02/01/2007 10:30	Quantif. Method:	IC#4-CLO4-LOW
Analyst:	Raja	Dilution Factor:	1.0000



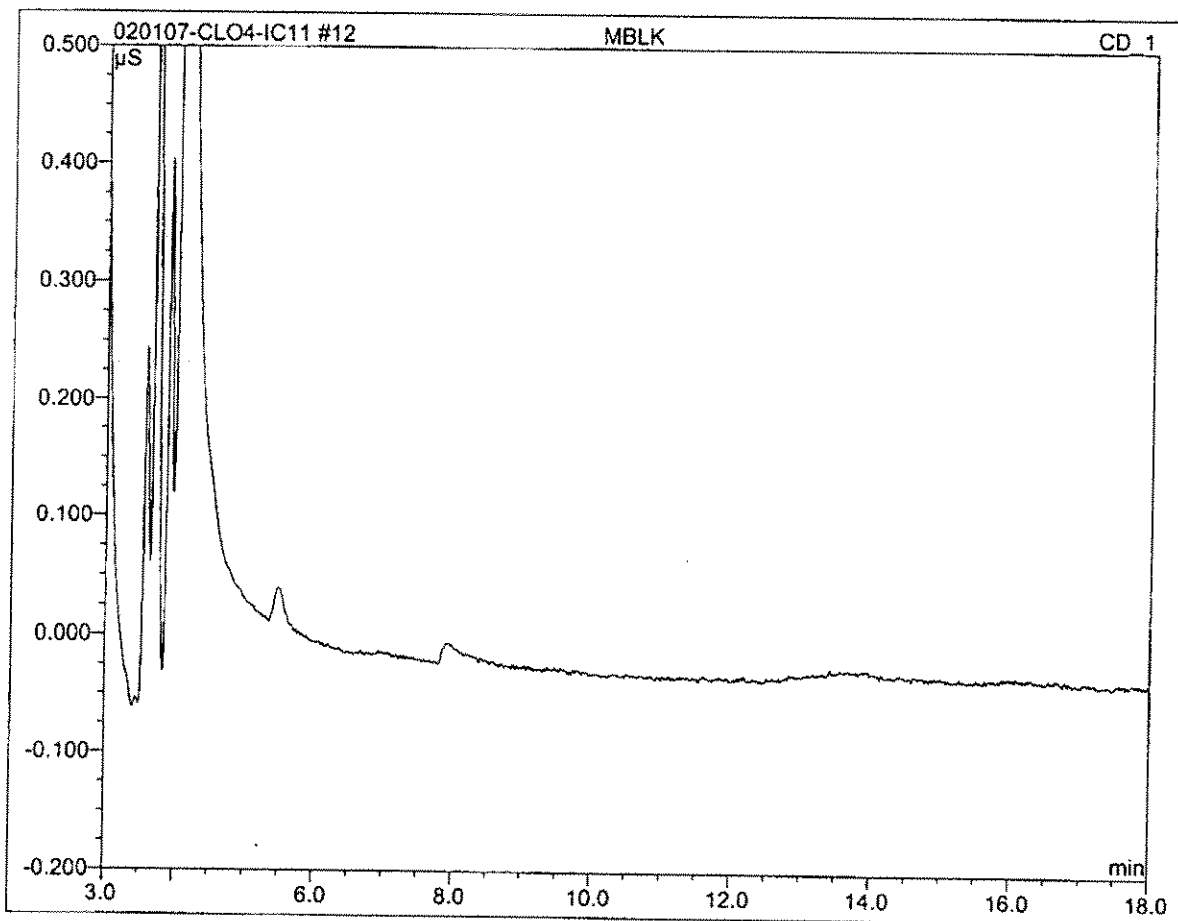
No.	Ret.Time min	Peak Name	Height μ S	Area μ S*min	Rel.Area %	Amount	Type
2	14.83	CLO4	0.088	0.034	83.85	20.433	BMB
Total:			0.088	0.034	83.85	20.433	

11 IPC			
Sample Name:	IPC	Channel:	CD_1
Sample Type:	unknown	Control Program:	Perchlorate-IC11
Recording Time:	02/01/2007 10:51	Quantif. Method:	IC#4-CLO4-LOW
Analyst:	Raja	Dilution Factor:	1.0000



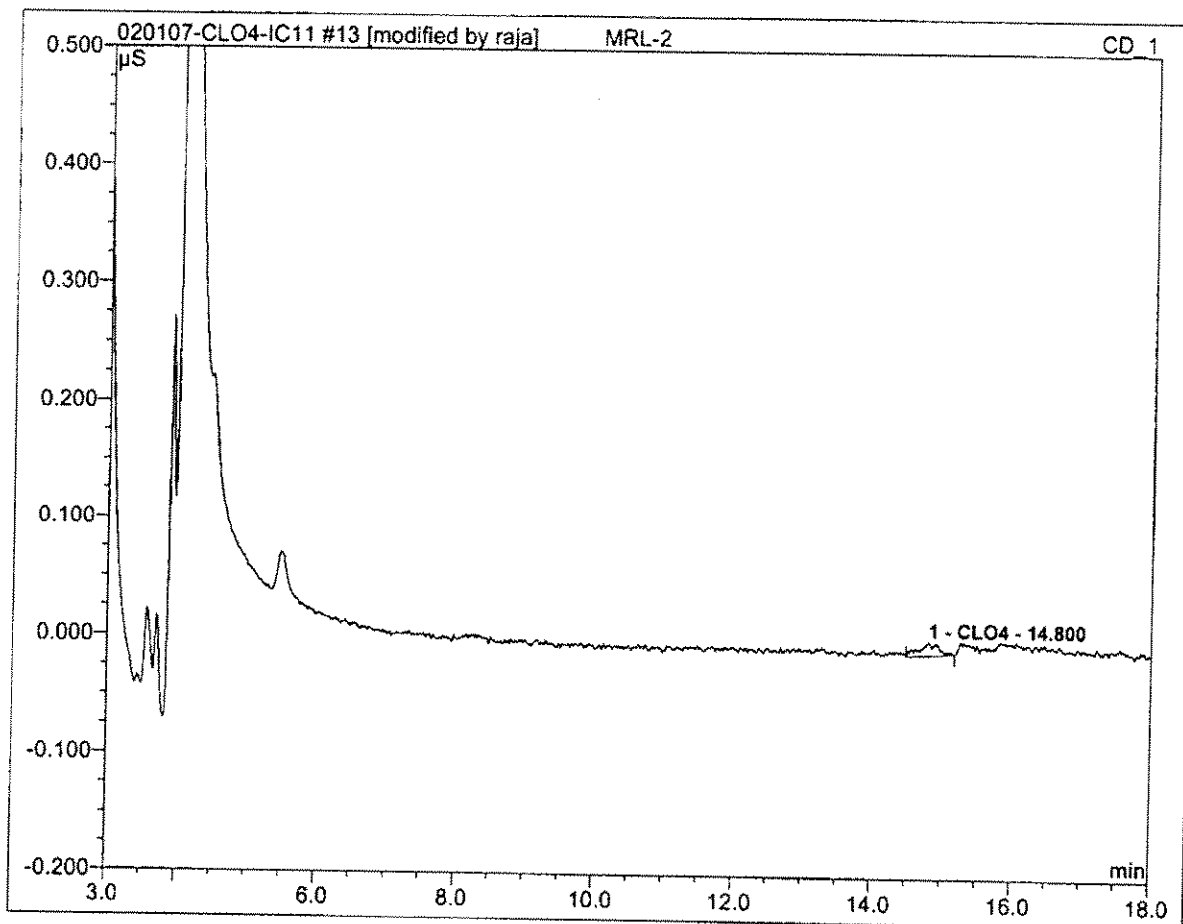
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	14.77	CLO4	0.100	0.038	100.00	22.818	BMB
Total:			0.100	0.038	100.00	22.818	

12 MBLK			
Sample Name:	MBLK	Channel:	CD_1
Sample Type:	unknown	Control Program:	Perchlorate-IC11
Recording Time:	02/01/2007 11:12	Quantif. Method:	IC#4-CLO4-LOW
Analyst:	Raja	Dilution Factor:	1.0000



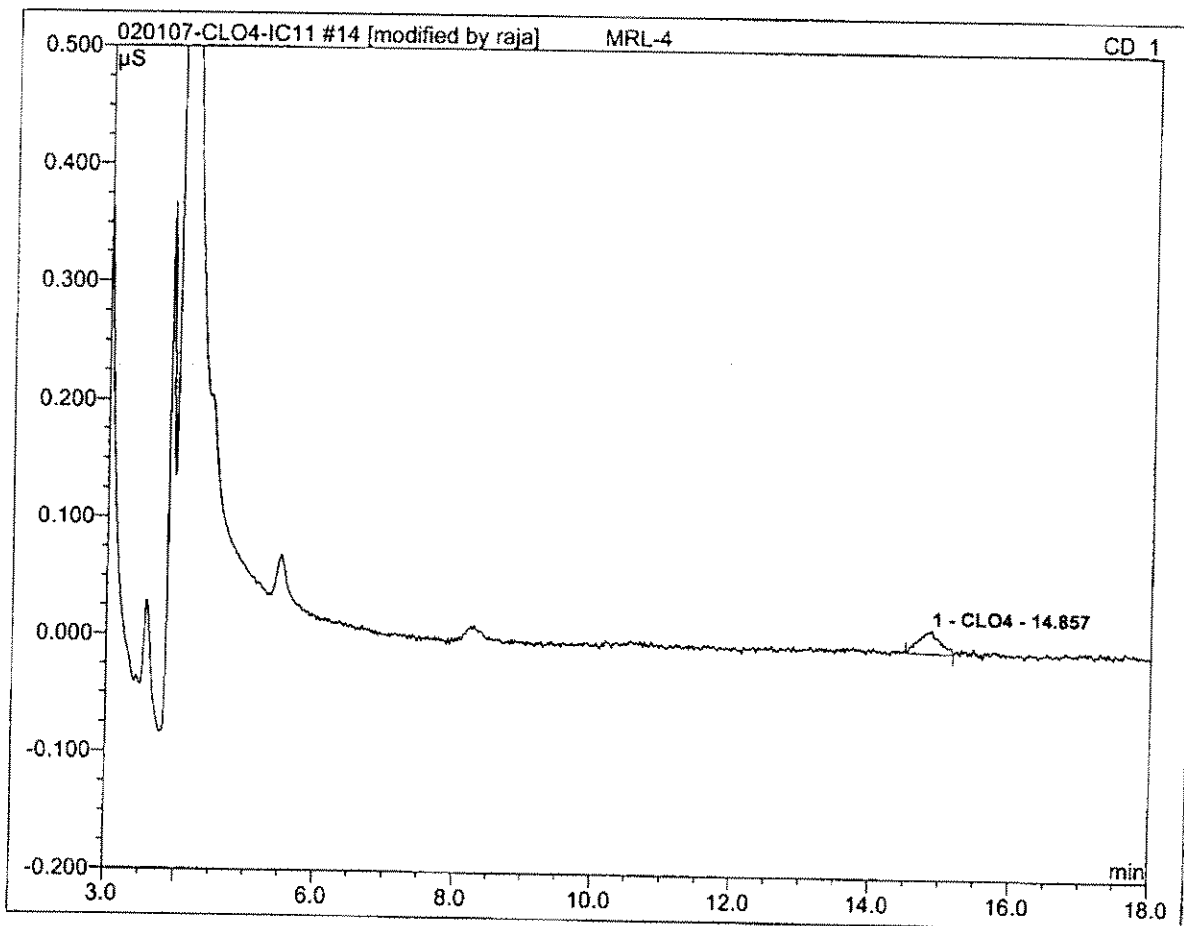
No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
Total:			0.000	0.000	0.00	0.000	

13 MRL-2			
Sample Name:	MRL-2	Channel:	CD_1
Sample Type:	unknown	Control Program:	Perchlorate-IC11
Recording Time:	02/01/2007 11:34	Quantif. Method:	IC#4-CLO4-LOW
Analyst:	Raja	Dilution Factor:	1.0000



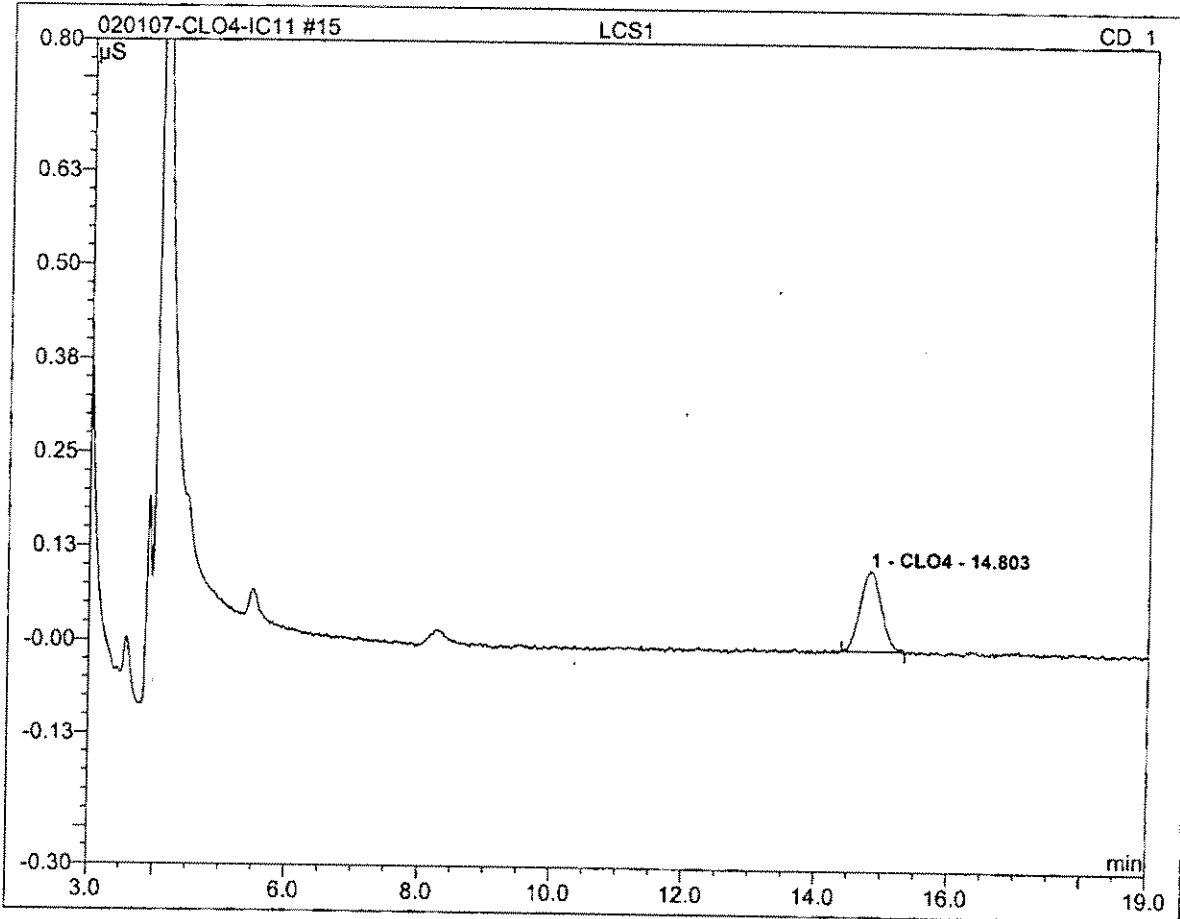
No.	Ret.Time min	Peak Name	Height μ S	Area μ S*min	Rel.Area %	Amount	Type
1	14.80	CLO4	0.011	0.004	100.00	1.791	BMB*
Total:			0.011	0.004	100.00	1.791	

14 MRL-4			
Sample Name:	MRL-4	Channel:	CD_1
Sample Type:	unknown	Control Program:	Perchlorate-IC11
Recording Time:	02/01/2007 11:55	Quantif. Method:	IC#4-CLO4-LOW
Analyst:	Raja	Dilution Factor:	1.0000



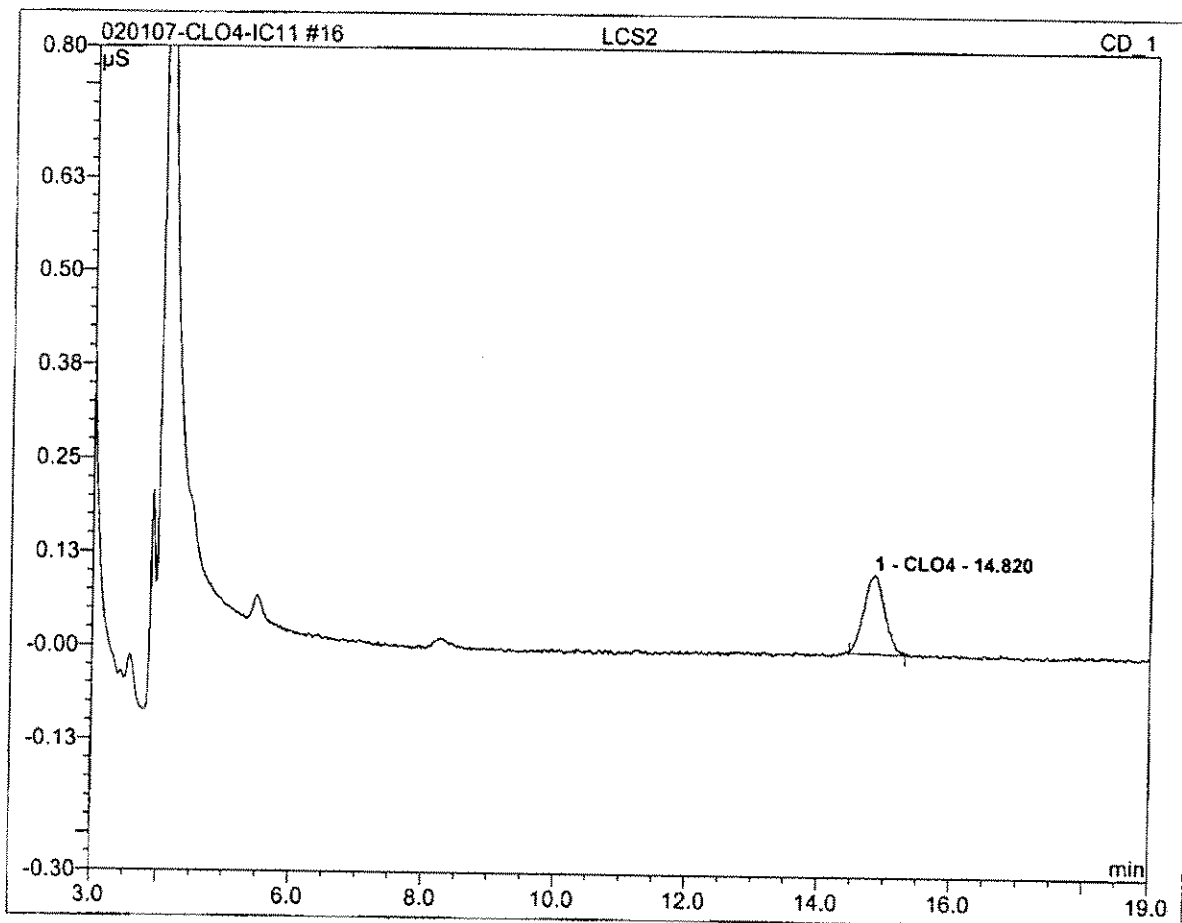
No.	Ret. Time min	Peak Name	Height µS	Area µS*min	Rel. Area %	Amount	Type
1	14.86	CLO4	0.020	0.007	100.00	3.750	BMB*
Total:			0.020	0.007	100.00	3.750	

15 LCS1			
Sample Name:	LCS1	Channel:	CD_1
Sample Type:	unknown	Control Program:	Perchlorate-IC11
Recording Time:	02/01/2007 12:17	Quantif. Method:	IC#4-CLO4-LOW
Analyst:	Raja	Dilution Factor:	1.0000



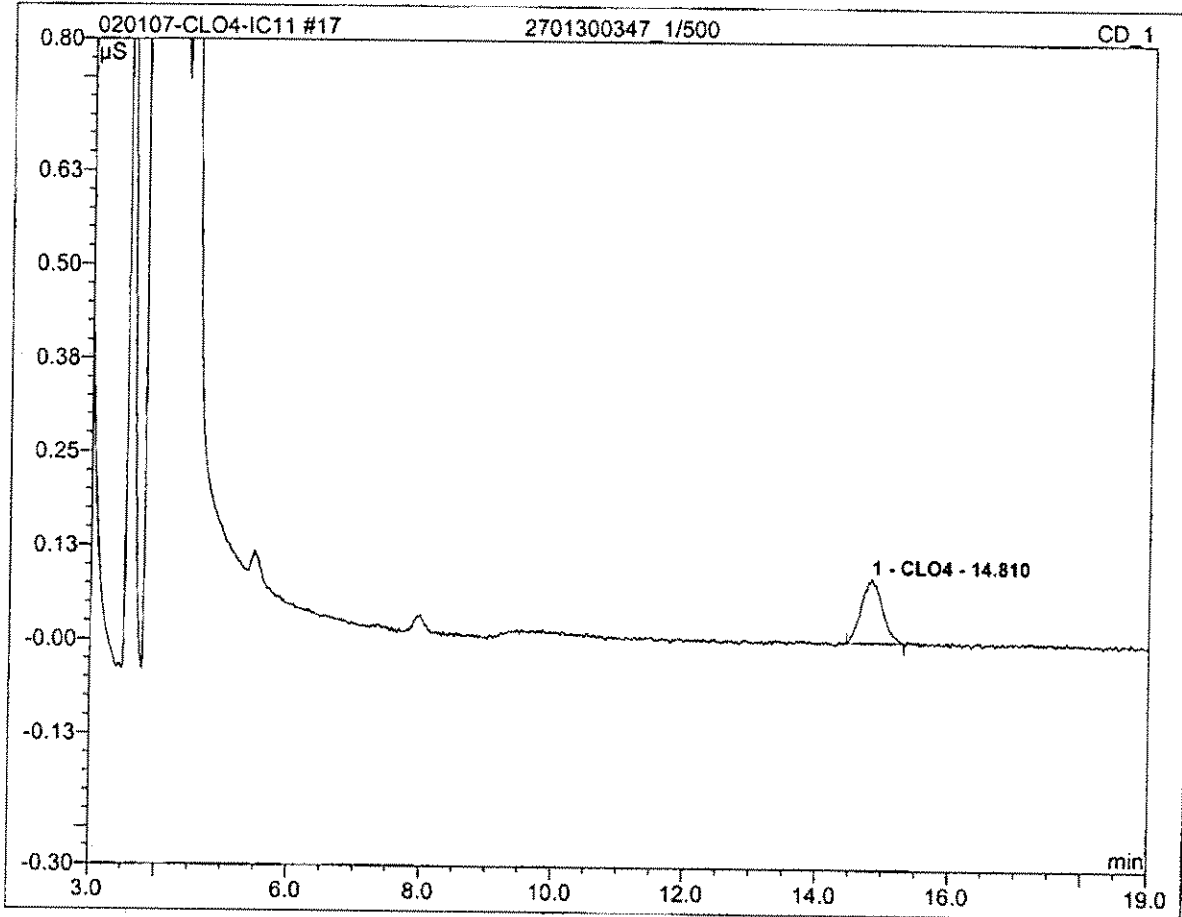
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Ref.Area %	Amount	Type
1	14.80	CLO4	0.106	0.039	100.00	23.698	BMB
Total:			0.106	0.039	100.00	23.698	

16 LCS2			
Sample Name:	LCS2	Channel:	CD_1
Sample Type:	unknown	Control Program:	Perchlorate-IC11
Recording Time:	02/01/2007 12:38	Quantif. Method:	IC#4-CLO4-LOW
Analyst:	Raja	Dilution Factor:	1.0000



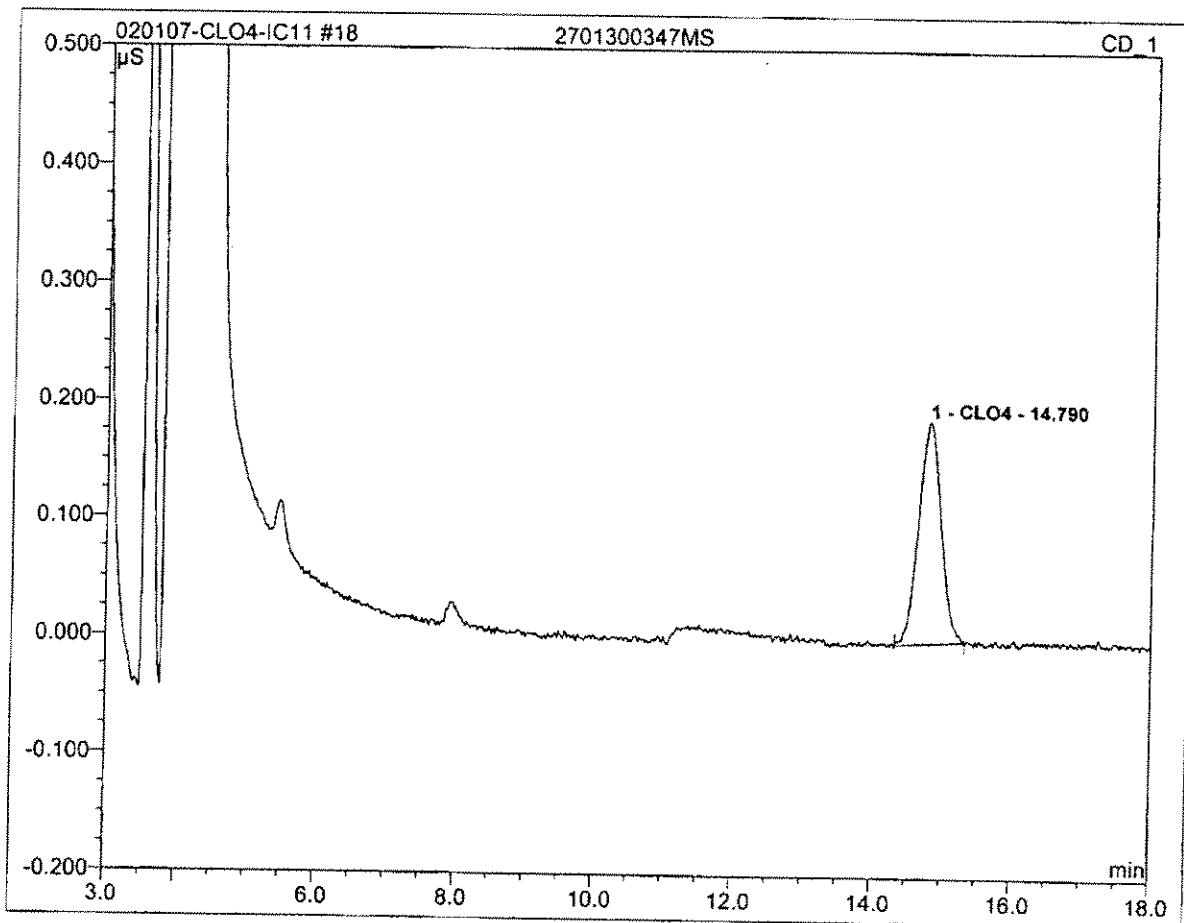
No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	14.82	CLO4	0.105	0.039	100.00	23.404	BMB
Total:			0.105	0.039	100.00	23.404	

17 2701300347_1/500			
Sample Name:	2701300347_1/500	Channel:	CD_1
Sample Type:	unknown	Control Program:	Perchlorate-IC11
Recording Time:	02/01/2007 12:59	Quantif. Method:	IC#4-CLO4-LOW
Analyst:	Raja	Dilution Factor:	500.0000



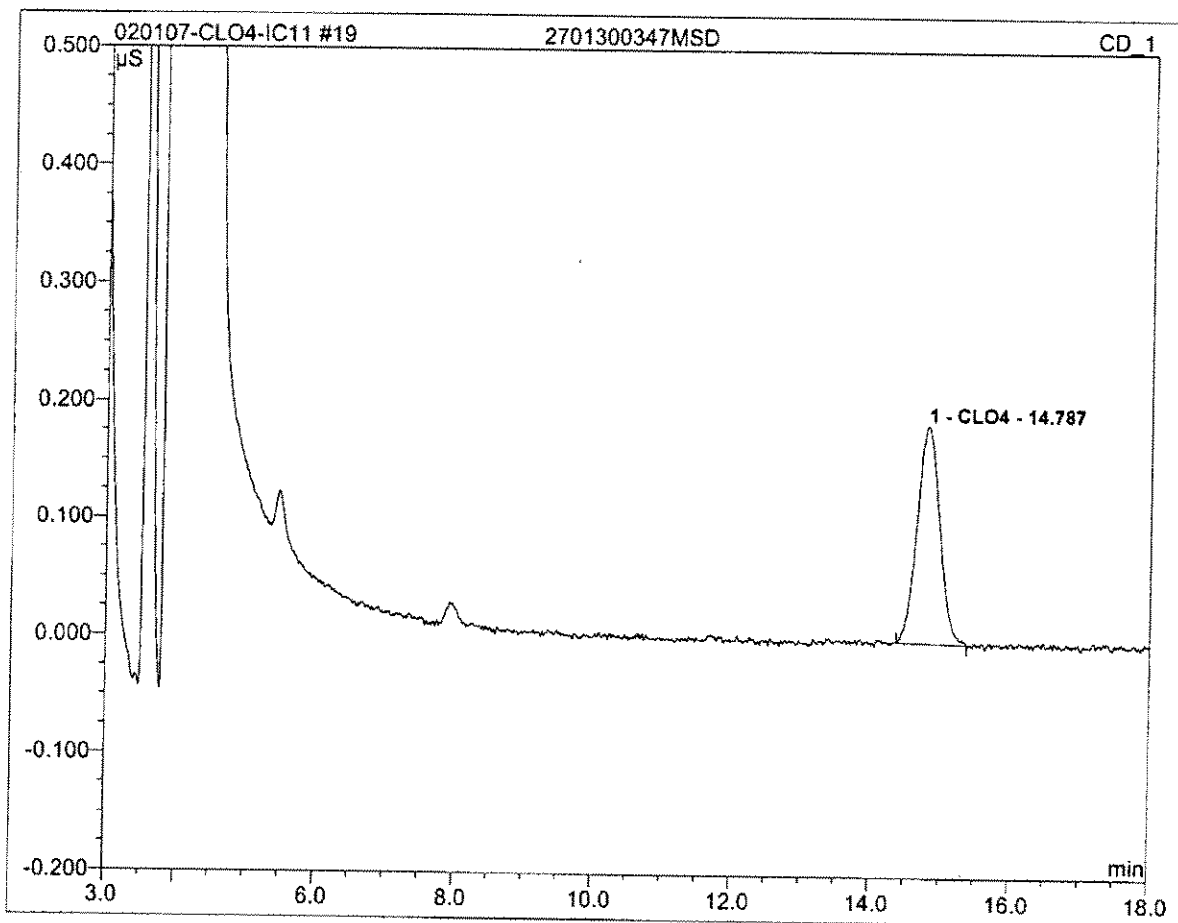
No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	14.81	CLO4	0.085	0.031	100.00	9402.761	BMB
Total:			0.085	0.031	100.00	9402.761	

18 2701300347MS			
Sample Name:	2701300347MS	Channel:	CD_1
Sample Type:	unknown	Control Program:	Perchlorate-IC11
Recording Time:	02/01/2007 13:21	Quantif. Method:	IC#4-CLO4-LOW
Analyst:	Raja	Dilution Factor:	1.0000



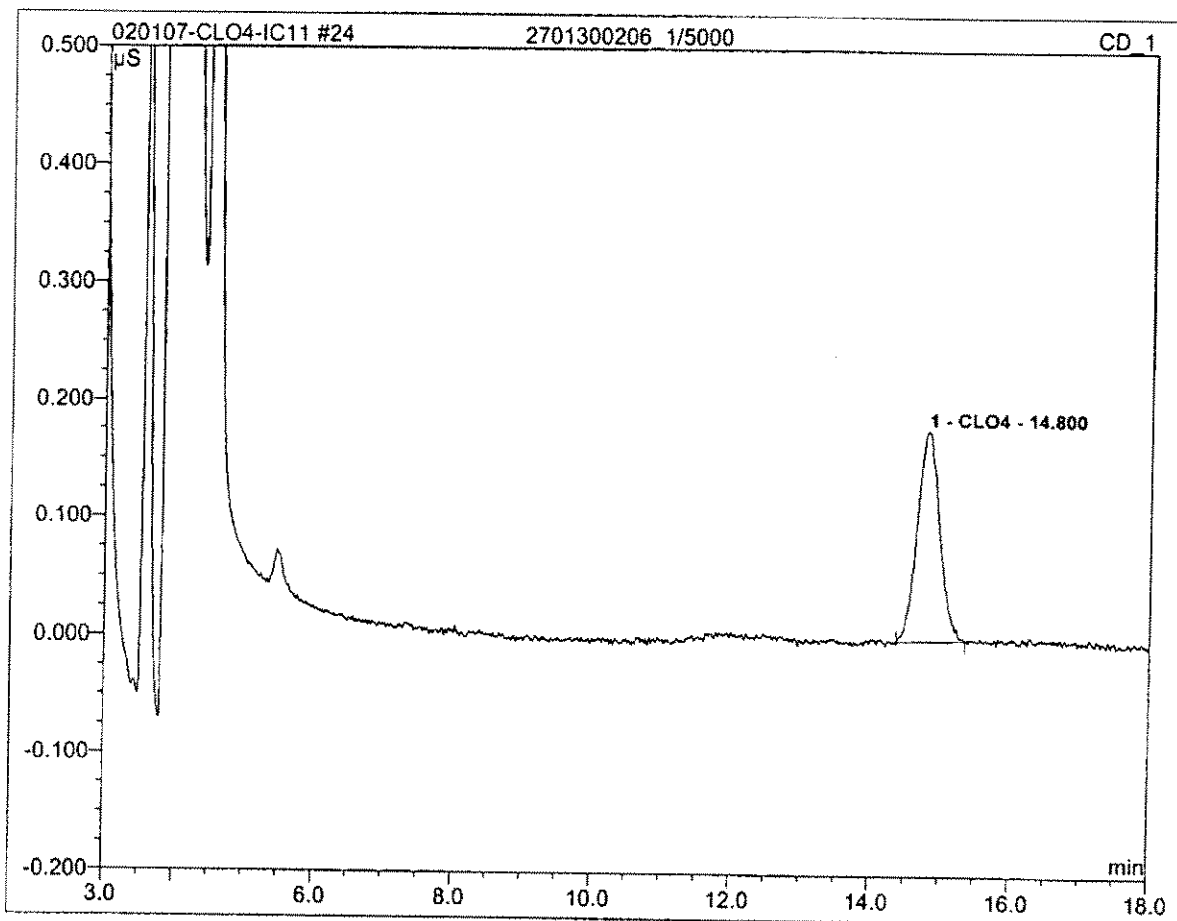
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	14.79	CLO4	0.188	0.070	100.00	42.677	BMB
Total:			0.188	0.070	100.00	42.677	

19 2701300347MSD			
Sample Name:	2701300347MSD	Channel:	CD_1
Sample Type:	unknown	Control Program:	Perchlorate-IC11
Recording Time:	02/01/2007 13:42	Quantif. Method:	IC#4-CLO4-LOW
Analyst:	Raja	Dilution Factor:	1.0000



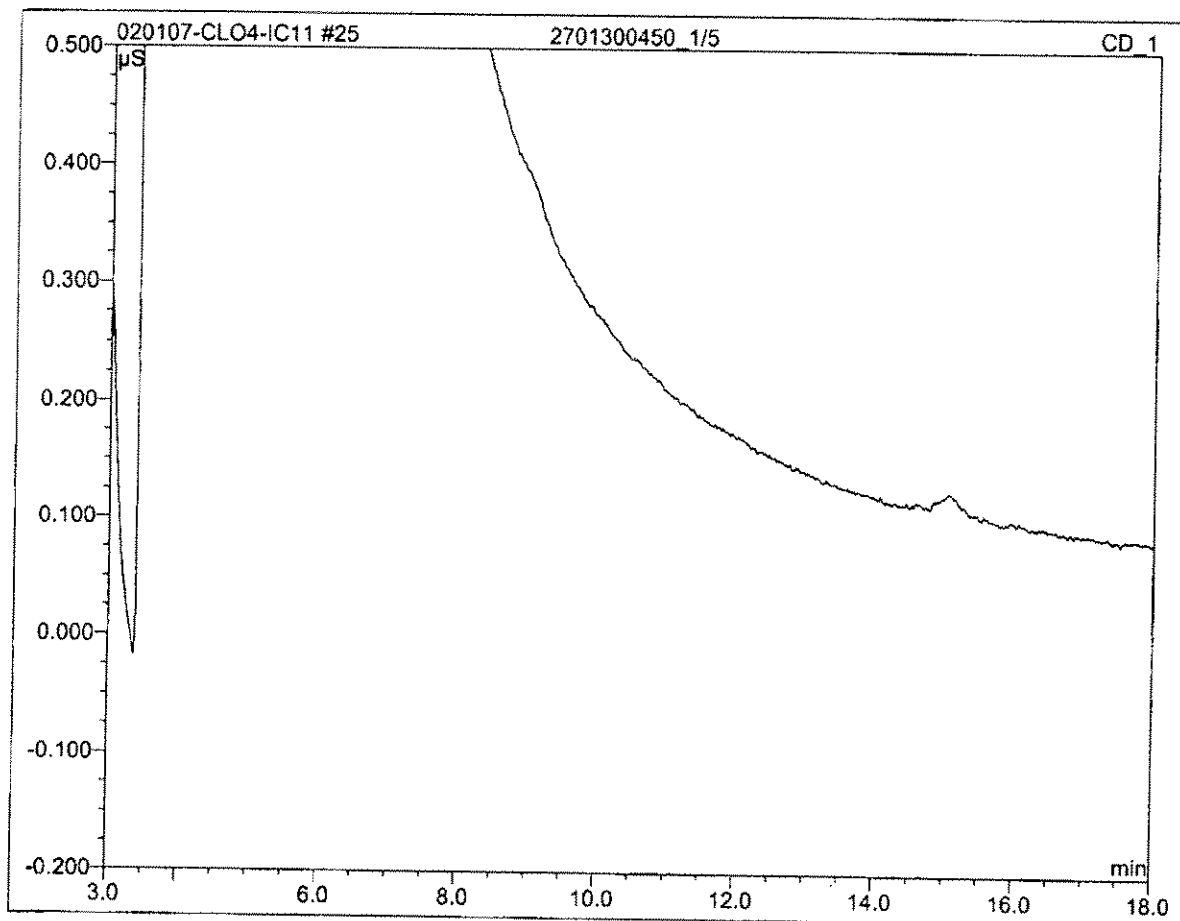
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	14.79	CLO4	0.185	0.070	100.00	42.409	BMB
Total:			0.185	0.070	100.00	42.409	

24 2701300206_1/5000			
Sample Name:	2701300206_1/5000	Channel:	CD_1
Sample Type:	unknown	Control Program:	Perchlorate-IC11
Recording Time:	02/01/2007 15:29	Quantif. Method:	IC#4-CLO4-LOW
Analyst:	Raja	Dilution Factor:	5000.0000



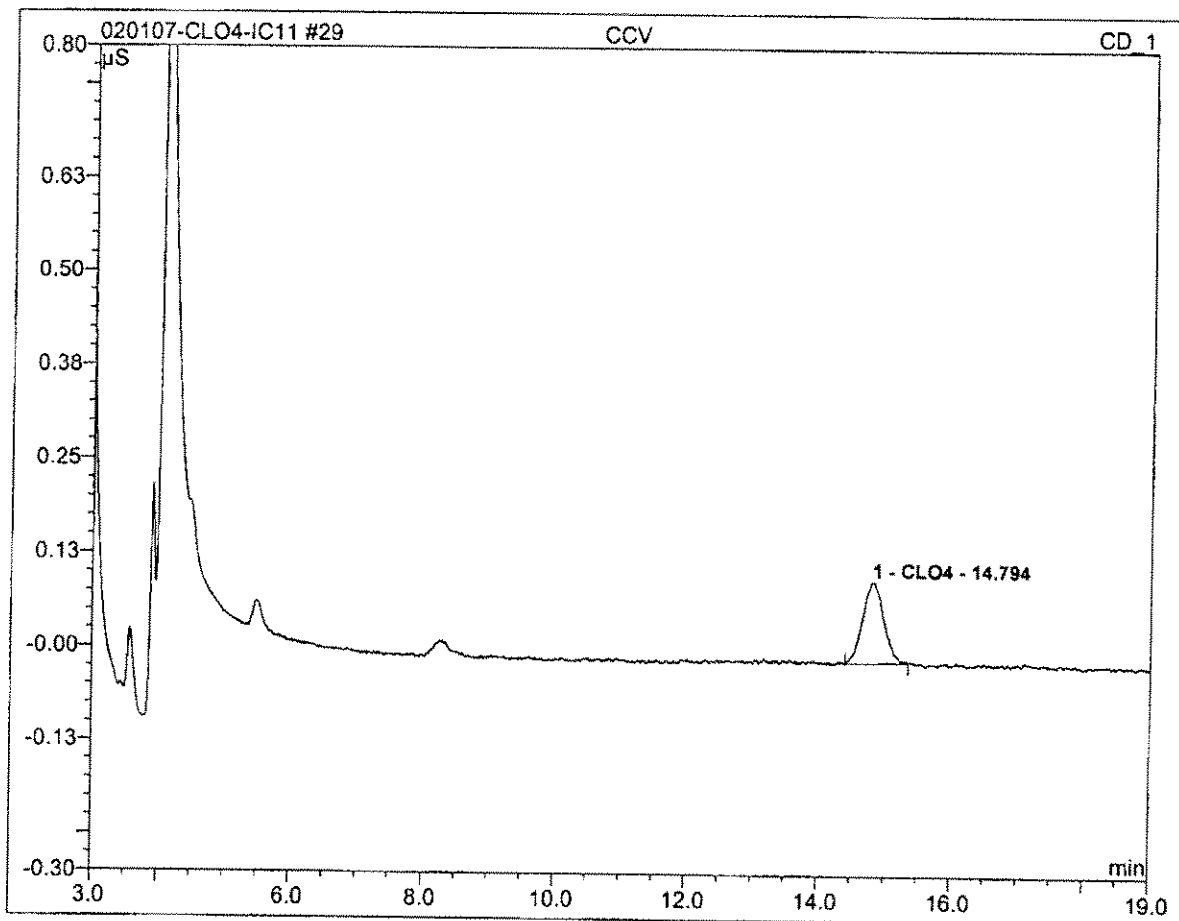
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	14.80	CLO4	0.178	0.066	100.00	200725.299	BMB
Total:			0.178	0.066	100.00	200725.299	

25 2701300450_1/5			
Sample Name:	2701300450_1/5	Channel:	CD_1
Sample Type:	unknown	Control Program:	Perchlorate-IC11
Recording Time:	02/01/2007 15:51	Quantif. Method:	IC#4-CLO4-LOW
Analyst:	Raja	Dilution Factor:	5.0000



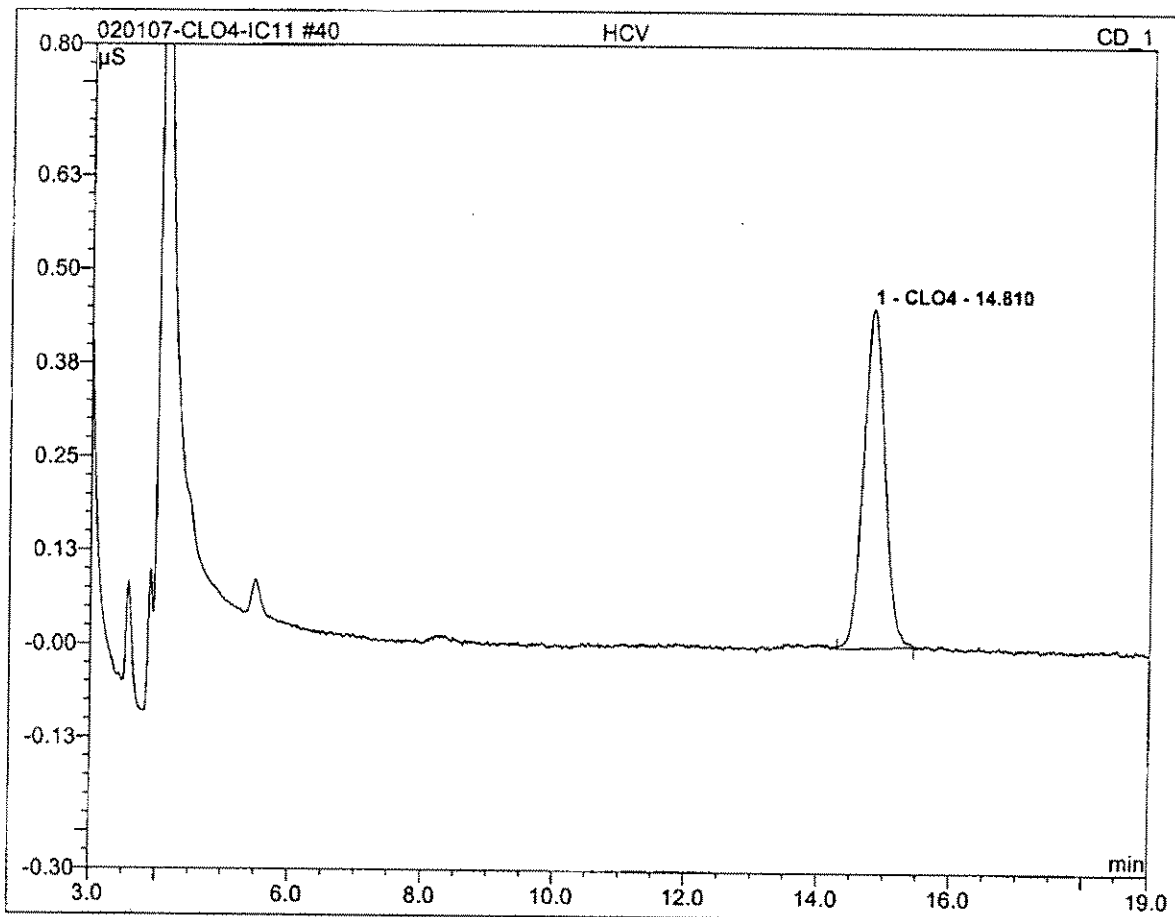
No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
Total:			0.000	0.000	0.00	0.000	

29 CCV			
Sample Name:	CCV	Channel:	CD_1
Sample Type:	unknown	Control Program:	Perchlorate-IC11
Recording Time:	02/01/2007 17:16	Quantif. Method:	IC#4-CLO4-LOW
Analyst:	Raja	Dilution Factor:	1.0000



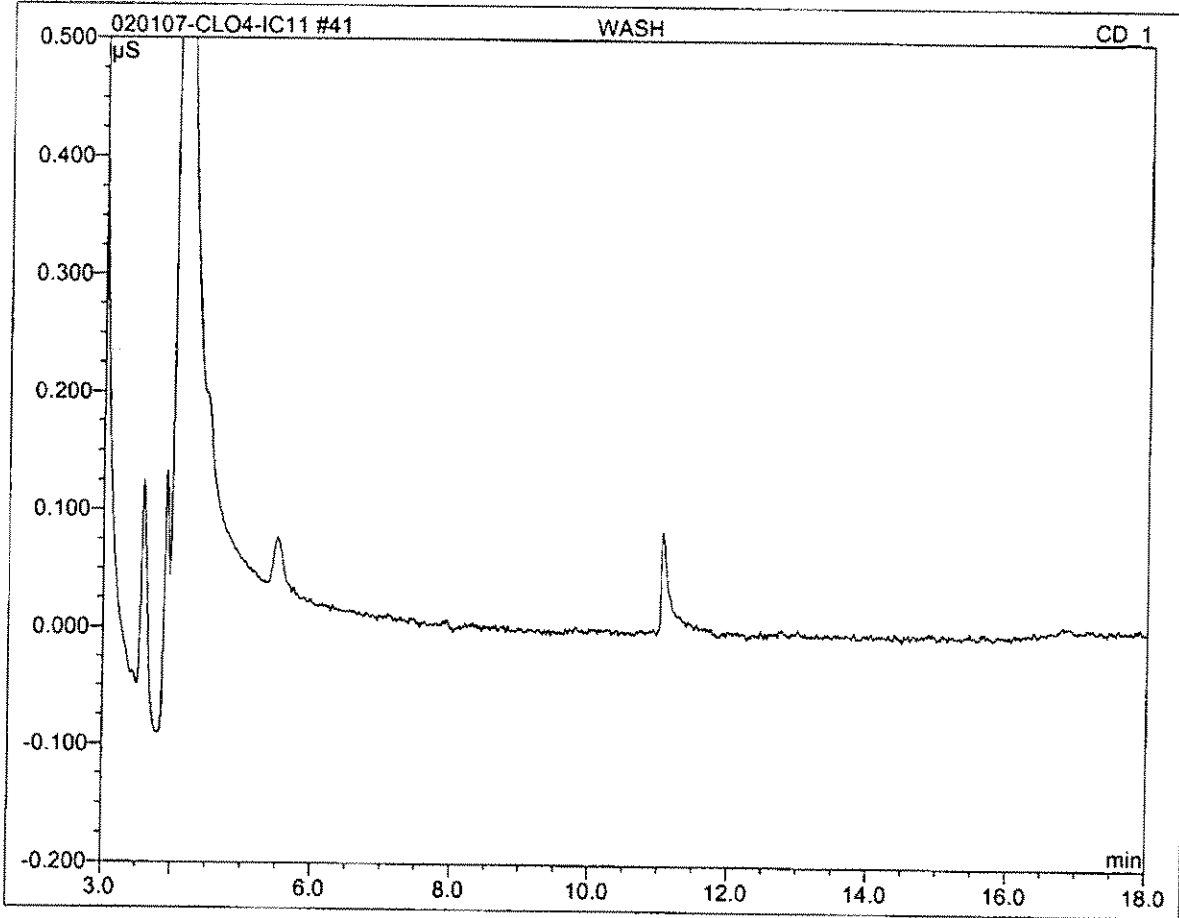
No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	14.79	CLO4	0.108	0.040	100.00	24.183	BMB
Total:			0.108	0.040	100.00	24.183	

40 HCV			
Sample Name:	HCV	Channel:	CD_1
Sample Type:	unknown	Control Program:	Perchlorate-IC11
Recording Time:	02/01/2007 21:12	Quantif. Method:	IC#4-CLO4-LOW
Analyst:	Raja	Dilution Factor:	1.0000



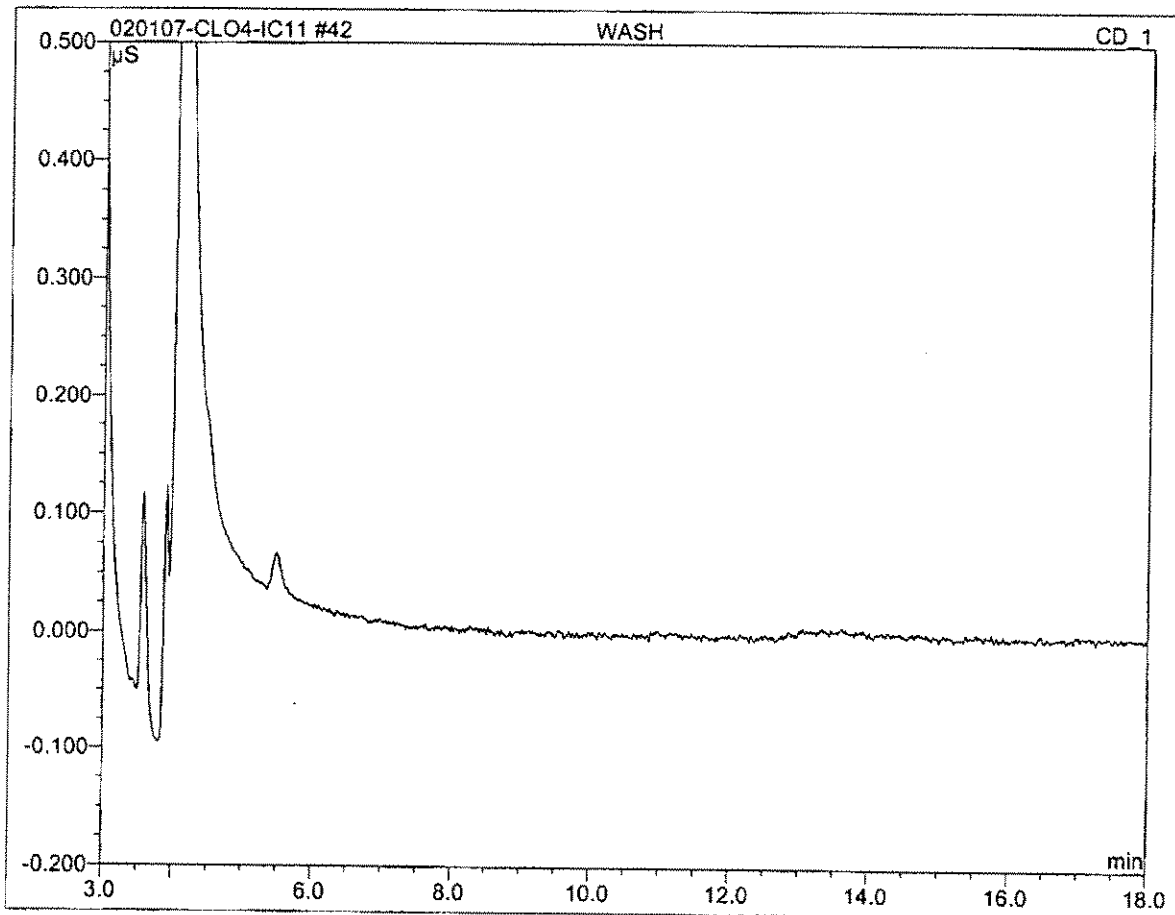
No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	14.81	CLO4	0.453	0.170	100.00	103.378	BMB
Total:			0.453	0.170	100.00	103.378	

41 WASH			
Sample Name:	WASH	Channel:	CD_1
Sample Type:	unknown	Control Program:	Perchlorate-IC11
Recording Time:	02/01/2007 21:33	Quantif. Method:	IC#4-CLO4-LOW
Analyst:	Raja	Dilution Factor:	1.0000



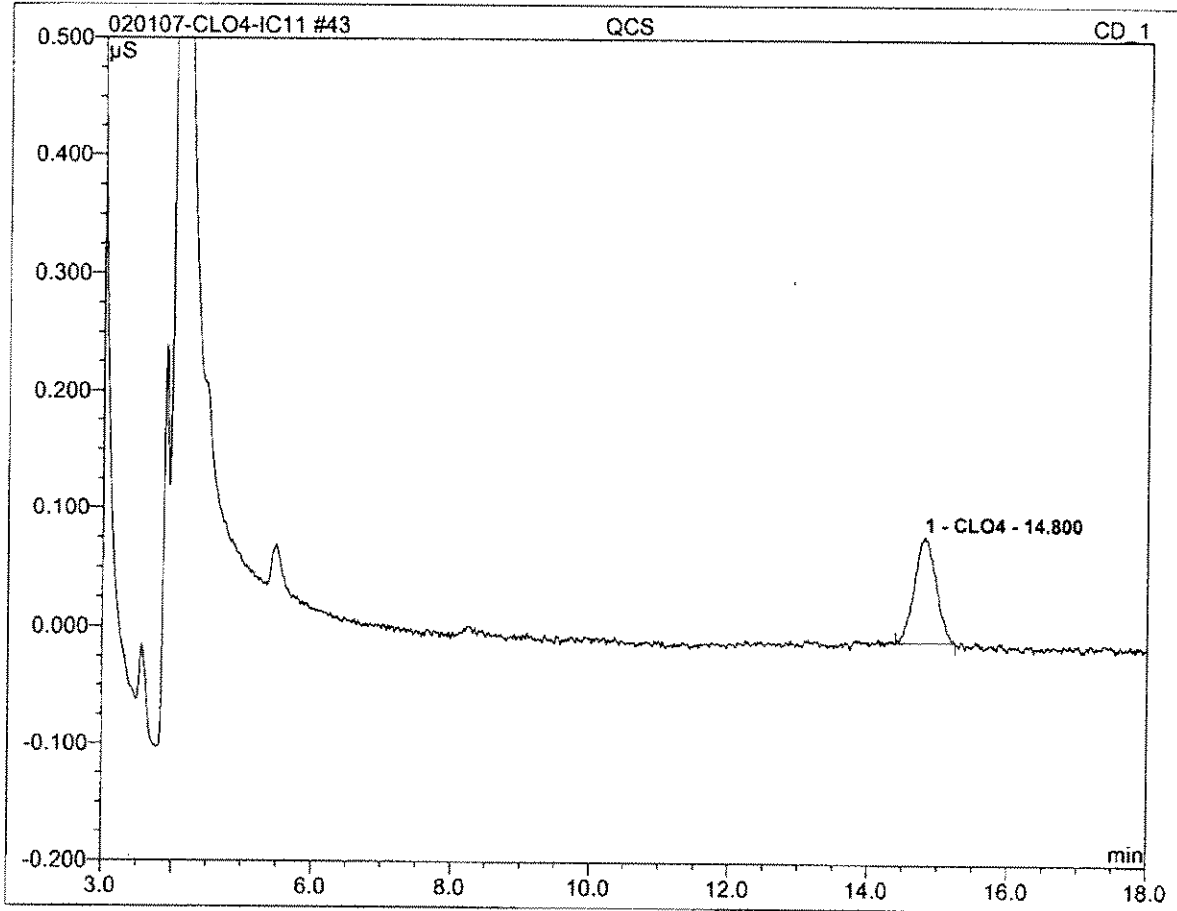
No.	Ret.Time min	Peak Name	Height μS	Area $\mu\text{S}\cdot\text{min}$	Rel.Area %	Amount	Type
Total:			0.000	0.000	0.00	0.000	

42 WASH			
Sample Name:	WASH	Channel:	CD_1
Sample Type:	unknown	Control Program:	Perchlorate-IC11
Recording Time:	02/01/2007 21:54	Quantif. Method:	IC#4-CLO4-LOW
Analyst:	Raja	Dilution Factor:	1.0000



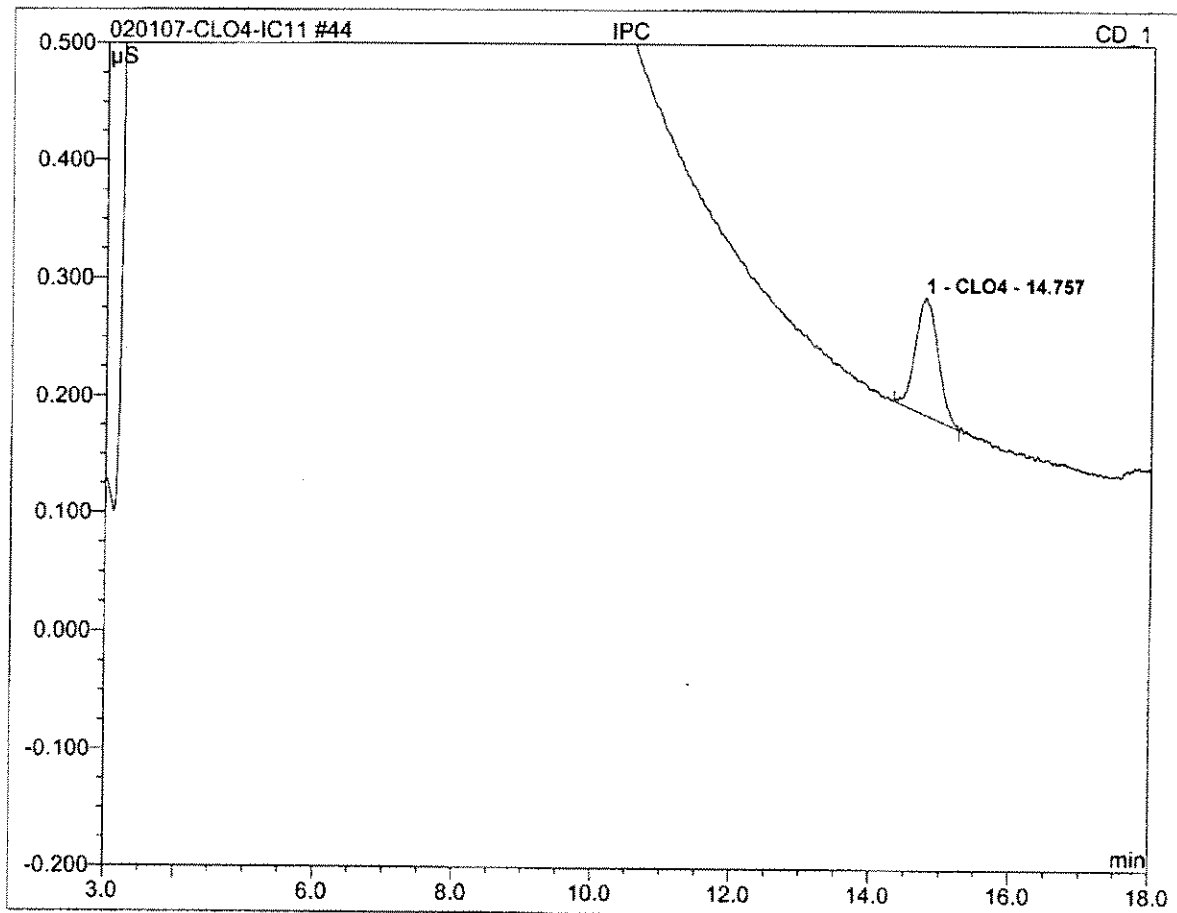
No.	Ret. Time min	Peak Name	Height µS	Area µS*min	Rel. Area %	Amount	Type
Total:			0.000	0.000	0.00	0.000	

43 QCS			
Sample Name:	QCS	Channel:	CD_1
Sample Type:	unknown	Control Program:	Perchlorate-IC11
Recording Time:	02/01/2007 22:16	Quantif. Method:	IC#4-CLO4-LOW
Analyst:	Raja	Dilution Factor:	1.0000



No.	Ret. Time min	Peak Name	Height µS	Area µS*min	Rel. Area %	Amount	Type
1	14.80	CLO4	0.090	0.032	100.00	19.381	BMB
Total:			0.090	0.032	100.00	19.381	

44 IPC			
Sample Name:	IPC	Channel:	CD_1
Sample Type:	unknown	Control Program:	Perchlorate-IC11
Recording Time:	02/01/2007 22:37	Quantif. Method:	IC#4-CLO4-LOW
Analyst:	Raja	Dilution Factor:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	14.76	CLO4	0.100	0.038	100.00	22.838	BMB
Total:			0.100	0.038	100.00	22.838	

**Standard
Preparation
Worksheet
&
Certificate of
Analysis**

Reagent Preparation Documentation

Reagent: DBP LCS Stock Solution
Date Received/Prepped: 082706/100106/110106/111606/122006/1010807/102007
Date Expired: 092706/110106/120106/121606/1012007/102007/103007
Manufacturer: _____
Storage Condition: _____

MW #: Raja060827-1
By: Raja
Matrix: aq
Amount: 100ml
Lot #: _____

Component	Comment	Standard	Concentration
Chlorite 1000ppm Exp: -03-24-07	1000 mL → Add 50 mL of FDA (LMR060129-12) the	R 201401	10ppm
Chlorate 1000ppm Exp: -05-31-09	1000 mL dilute to 100 ml with D.I. water	R 201400	10ppm
Bromide Exp: -10-27-07	500 mL	R 201369	5ppm
Comment: _____			

Reagent: DBP LCS Solution
Date Received/Prepped: 082706/100106/110106/111606/122006/1010807/102007
Date Expired: 092706/110106/120106/121606/1012007/102007/103007
Manufacturer: _____
Storage Condition: _____

MW #: Raja060827-2
By: Raja
Matrix: aq
Amount: 100ml
Lot #: _____

Component	Comment	Standard	Concentration
DBP LCS Stock soln	2ml → Dilute with D.I. water to 100 ml	Raja060827-1	ClO ₂ :-200ppb
EDA Solution	50 mL	LMR060129-12	ClO ₃ :-200ppb Br:-100ppb
Comment: _____			

Reagent: Perchlorate Calibration Stock Solution
Date Received/Prepped: 091306/101106/113006/1012101/102007/102207
Date Expired: 121306/1011107/1023007/1042107/105007/105207
Manufacturer: _____
Storage Condition: _____

MW #: Raja060913-1
By: Raja
Matrix: aq
Amount: 100ml
Lot #: _____

Component	Comment	Standard	Concentration
Perchlorate 1000ppm Exp: -012809	100 mL → Dilute with D.I. water to 100ml	R201449	1000ppb
Comment: _____			

MS / MSD
 Comment: 030407/1042107/1051607/1061207/1060407/1072707/1081107/091207/

Reagent Preparation Documentation

Reagent: C104 Calibration Standard #1
Date Received/Prepped: 091306/101106/113006/102107/102207/022801
Date Expired: 121306/091107/1023007/1042107/102207/1052807
Manufacturer: _____
Storage Condition: _____

MW #: Raja060913-2
By: Raja
Matrix: ag
Amount: 100ml
Lot #: _____

Component	Comment	Standard	Concentration
C104 Cal. Stock sol'n	200 ML → Dilute to 100ml with D.I. water	Raja060913-1	2.0 ppb

Comment: 030407/042707/051607/061207/060407/072707/081607/091207/

Reagent: C104 Calibration Standard #2
Date Received/Prepped: 091306/101106/113006/102107/102207/022801
Date Expired: 121306/091107/1023007/1042107/102207/1052807
Manufacturer: _____
Storage Condition: _____

MW #: Raja060913-3
By: Raja
Matrix: ag
Amount: 100ml
Lot #: _____

Component	Comment	Standard	Concentration
C104 Cal. Stock sol'n	400 ML → raise to 100ml with D.I. water	Raja060913-1	4.0 ppb

Comment: 030407/042707/051607/061207/060407/072707/081607/091207/

Reagent: C104 Calibration Standard #3
Date Received/Prepped: 091306/101106/113006/102107/102207/022801
Date Expired: 121306/091107/1023007/1042107/102207/1052807
Manufacturer: _____
Storage Condition: _____

MW #: Raja060913-4
By: Raja
Matrix: ag
Amount: 100ml
Lot #: _____

Component	Comment	Standard	Concentration
C104 Cal. stock sol'n	1 ml → Dilute to 100ml with D.I. water	Raja060913-1	10.0 ppb

Comment: 030407/042707/051607/061207/060407/072707/081607/091207/

Reagent Preparation Documentation

Reagent: ClO₄ Calibration Standard #4
Date Received/Prepped: 091306/101106 / 113006/1012107 / 022807/030407
Date Expired: 121306/011107 / 023007/042107 / 052807/060407
Manufacturer: _____
Storage Condition: _____

MW #: Raja060913-5
By: Raja
Matrix: ag
Amount: 100ml
Lot #: _____

Component	Comment	Standard	Concentration
ClO ₄ cal. stock sol'n	2.5 ml → Dilute to 100ml with D.I. water	Raja060913-1	25.0 ppb

Comment: 042707/051607/061207/
072707/081607/091207/

Reagent: ClO₄ Calibration Standard #5
Date Received/Prepped: 091306/101106 / 113006 / 1012107 / 022807 / 030407
Date Expired: 121306/011107 / 023007/042107 / 052807/060407
Manufacturer: _____
Storage Condition: _____

MW #: Raja060913-6
By: Raja
Matrix: ag
Amount: 100ml
Lot #: _____

Component	Comment	Standard	Concentration
ClO ₄ cal. stock sol'n	5.0 ml → Dilute to 100ml with D.I. water	Raja060913-1	50.0 ppb

Comment: 042707/051607/
072707/081607/

Reagent: ClO₄ Calibration Standard #6
Date Received/Prepped: 091306/101106 / 113006/092107 / 022807 / 030407
Date Expired: 121306/011107 / 023007/042107 / 052807 / 060407
Manufacturer: _____
Storage Condition: _____

MW #: Raja060913-7
By: Raja
Matrix: ag
Amount: 100ml
Lot #: _____

Component	Comment	Standard	Concentration
ClO ₄ cal. stock sol'n	10.0 ml → Dilute to 100ml with D.I. water	Raja060913-1	100 ppb

Comment: 042707/051607/061207/
072707/081607/091207/

CERTIFIED WEIGHT REPORT:

Part Number: 57001 Lot # 072806
 Lot Number: 072806 Solvent(s): ASTM Type 1 Water
 Description: Perchlorate

R201449

Expiration Date: 072809
 Nominal Concentration (µg/mL): 1000

Weights shown below were combined and diluted to (mL): 1000.55 5E-05 Balance Uncertainty
 0.084 Flask Uncertainty

Formulated By:	Lawrence Barry	072806
Reviewed By:	Pedro L. Rentas	072806

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Assay		Target Weight(g)	Actual Weight(g)	*Actual Conc (µg/mL)	Expanded Uncertainty (+/-)	MSDS Information		
					Purity (%)	Purity (%)					(Solvent Safety Info. On Attached pg.)	CAS#	
1. Sodium Perchlorate (ClO4)	IN119 AR06730TQ	1000.0	99.0	0.10	81.2	1.2319	1.23216	1000.2	0.00203	07601-89-0	N/A	N/A	3152a
											LD50		

Method: E300P.M. Column: ASAHIPACK ODP50 (150mm X 4.0mm ID X 5.0µm df). Inj. Volume= 10µL. Flow Rate= 1.5mL/min.. Column Temp.= 40°C. Isocratic Analysis using Anion Mobile Phase. Detector: PDA (DAD1, Sig=360,20 REF=266, 10). Analyst: Pedro Rentas.

Peak No.	Name	PDA RT (min.)
1	Sodium Perchlorate	21.78

