



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1

Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: ATAC RESOURCES LTD.

C/O ARCHER, CATHRO & ASSOCIATES (1981)

LIMITED

1016-510 W HASTINGS ST

VANCOUVER BC V6B 1L8

Page: 1

Finalized Date: 27-SEP-2008

Account: RCM

## CERTIFICATE VA08126562

Project: HARTLESS JOE

P.O. No.: HJ-08-01, HJ-08-02

This report is for 71 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 8-SEP-2008.

The following have access to data associated with this certificate:

AL ARCHER  
BILL WENGZYNOWSKI

DOUG EATON

JOAN MARIACHER

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: ATAC RESOURCES LTD.

ATTN: AL ARCHER

C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

1016-510 W HASTINGS ST

VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



# ALS Chemex

## EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1

Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: ATAC RESOURCES LTD.  
C/O ARCHER, CATHRO & ASSOCIATES (1981)  
LIMITED  
1016-510 W HASTINGS ST  
VANCOUVER BC V6B 1L8

Project: HARTLESS JOE

Page: 2 - A  
Total # Pages: 3 (A - C)  
Finalized Date: 27-SEP-2008  
Account: RCM

### CERTIFICATE OF ANALYSIS VA08126562

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
G004351		3.74	0.01	<0.2	0.30	5	<10	60	<0.5	<2	>25.0	<0.5	2	6	9	0.65
G004352		4.22	<0.01	<0.2	1.41	5	<10	260	<0.5	<2	3.78	<0.5	9	22	11	2.01
G004353		3.26	<0.01	<0.2	1.42	3	<10	220	<0.5	<2	3.66	<0.5	9	23	19	2.03
G004354		5.72	0.01	<0.2	1.65	6	<10	120	<0.5	<2	11.15	<0.5	8	15	38	2.18
G004355		1.98	0.01	<0.2	3.40	18	<10	90	<0.5	<2	5.76	<0.5	21	205	68	5.11
G004356		1.24	0.01	<0.2	0.34	4	<10	80	<0.5	<2	1.53	<0.5	1	6	10	0.45
G004357		4.04	0.01	<0.2	0.51	4	<10	110	<0.5	<2	1.27	<0.5	2	11	8	0.69
G004358		5.18	<0.01	0.2	0.35	3	<10	120	<0.5	<2	1.40	<0.5	1	2	11	0.59
G004359		5.06	<0.01	<0.2	0.33	3	<10	140	<0.5	<2	1.47	<0.5	1	3	5	0.62
G004360		5.70	<0.01	<0.2	0.28	<2	<10	120	<0.5	<2	1.19	<0.5	<1	3	7	0.39
G004361		2.34	<0.01	0.3	0.36	5	<10	90	<0.5	<2	1.31	<0.5	1	5	10	0.45
G004362		2.30	<0.01	0.3	3.66	27	<10	60	<0.5	<2	6.77	<0.5	21	212	76	5.44
G004363		2.40	<0.01	<0.2	2.09	37	<10	70	<0.5	<2	6.87	0.9	18	135	60	4.20
G004364		1.70	<0.01	<0.2	0.27	4	<10	850	<0.5	<2	2.13	<0.5	1	4	14	1.09
G004365		1.32	<0.01	0.2	0.32	5	<10	90	<0.5	<2	2.14	<0.5	2	2	6	1.01
G004367		1.38	0.01	<0.2	0.31	6	<10	440	<0.5	<2	2.13	<0.5	2	2	9	1.26
G004368		2.30	<0.01	0.2	1.01	47	<10	200	<0.5	<2	5.96	2.0	16	15	83	4.79
G004369		2.48	<0.01	0.2	3.57	14	<10	30	<0.5	<2	3.74	<0.5	23	17	31	6.91
G004370		0.50	<0.01	<0.2	0.30	4	<10	70	<0.5	<2	1.66	<0.5	3	4	1	0.97
G004371		1.22	<0.01	<0.2	0.67	5	<10	60	<0.5	<2	2.04	<0.5	4	15	6	1.25
G004372		1.18	<0.01	0.2	4.35	30	<10	30	<0.5	<2	3.98	<0.5	26	222	94	6.44
G004373		2.64	<0.01	<0.2	4.35	22	<10	190	0.5	<2	6.51	<0.5	35	154	42	8.06
G004374		2.02	<0.01	0.2	0.62	5	<10	90	<0.5	<2	1.94	<0.5	4	14	10	1.35
G004375		4.96	<0.01	<0.2	0.40	3	<10	100	<0.5	<2	1.45	<0.5	2	5	10	0.75
G004376		5.42	<0.01	0.2	0.38	3	<10	110	<0.5	<2	1.86	<0.5	2	3	17	0.93
G004377		2.58	<0.01	<0.2	0.58	<2	<10	110	<0.5	<2	1.74	<0.5	2	3	2	0.86
G004378		2.42	0.01	<0.2	0.59	<2	<10	120	<0.5	<2	1.87	<0.5	2	3	1	0.86
G004379		5.46	<0.01	<0.2	0.37	3	<10	110	<0.5	<2	1.70	<0.5	2	3	<1	0.81
G004380		4.98	<0.01	<0.2	0.41	3	<10	110	<0.5	<2	1.79	<0.5	2	2	3	0.83
G004381		5.04	<0.01	<0.2	1.08	9	<10	110	<0.5	<2	2.74	<0.5	8	33	28	2.15
G004382		0.98	0.01	0.2	4.35	6	<10	30	<0.5	<2	5.94	<0.5	37	171	54	7.65
G004383		2.14	0.01	<0.2	0.43	5	<10	110	<0.5	<2	2.48	<0.5	3	5	10	0.91
G004384		3.46	<0.01	<0.2	0.52	2	<10	90	<0.5	<2	1.82	<0.5	3	5	3	0.83
G004385		2.84	0.01	<0.2	0.74	2	<10	90	<0.5	<2	2.42	<0.5	5	17	3	1.34
G004386		1.62	0.01	0.9	0.75	40	<10	10	<0.5	<2	3.11	<0.5	6	39	362	4.96
G004387		5.84	0.08	0.6	1.30	54	<10	30	<0.5	<2	4.00	<0.5	10	53	118	8.69
G004388		1.80	<0.01	<0.2	4.54	8	<10	30	<0.5	<2	7.32	<0.5	34	250	48	6.99
G004389		0.82	<0.01	<0.2	0.06	2	<10	50	<0.5	<2	20.3	<0.5	2	8	3	0.44
G004390		5.38	0.01	<0.2	4.29	2	<10	10	<0.5	<2	7.74	<0.5	31	295	33	5.70
G004391		4.62	<0.01	<0.2	4.57	3	<10	20	<0.5	<2	7.05	<0.5	33	259	38	5.69



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1

Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: ATAC RESOURCES LTD.

C/O ARCHER, CATHRO &amp; ASSOCIATES (1981)

LIMITED

1016-510 W HASTINGS ST

VANCOUVER BC V6B 1L8

Project: HARTLESS JOE

Page: 2 - B

Total # Pages: 3 (A - C)

Finalized Date: 27-SEP-2008

Account: RCM

**CERTIFICATE OF ANALYSIS VA08126562**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm 10	ppm 1	% 0.01	ppm 10	% 0.01	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	% 0.01	ppm 2	ppm 1	ppm 1
G004351		<10	<1	0.04	<10	0.82	184	1	0.03	4	440	2	0.6	<2	2	1270
G004352		10	<1	0.14	20	1.17	397	1	0.08	15	1010	33	0.41	<2	3	300
G004353		10	<1	0.12	20	1.18	390	1	0.08	14	1010	15	0.41	<2	3	229
G004354		10	<1	0.15	10	1.51	283	<1	0.04	13	680	7	0.96	<2	3	998
G004355		10	<1	0.12	<10	2.82	950	1	0.05	64	270	3	0.13	<2	22	191
G004356		<10	<1	0.19	10	0.07	172	<1	0.06	1	80	10	0.03	<2	1	85
G004357		<10	<1	0.22	10	0.15	193	<1	0.07	4	150	12	0.03	<2	1	81
G004358		<10	<1	0.20	20	0.03	172	<1	0.07	<1	200	10	0.03	<2	1	84
G004359		<10	<1	0.21	20	0.07	187	<1	0.07	<1	190	10	0.04	<2	1	106
G004360		<10	<1	0.19	10	0.04	162	<1	0.06	<1	130	11	0.04	<2	<1	89
G004361		<10	<1	0.21	10	0.08	157	<1	0.06	2	80	17	0.05	<2	1	73
G004362		10	<1	0.08	<10	3.27	891	1	0.05	76	280	3	0.25	<2	22	251
G004363		10	<1	0.10	<10	2.14	782	1	0.05	63	350	3	0.43	<2	16	310
G004364		<10	<1	0.13	10	0.44	254	<1	0.05	2	220	6	0.05	<2	1	81
G004365		<10	<1	0.16	10	0.10	234	<1	0.05	2	230	8	0.04	<2	1	53
G004367		<10	<1	0.17	10	0.55	289	<1	0.05	2	260	7	0.06	<2	1	79
G004368		<10	<1	0.15	<10	1.85	844	6	0.04	26	830	10	0.36	2	13	206
G004369		10	1	0.02	<10	2.62	1195	<1	0.06	5	550	2	0.10	<2	26	148
G004370		<10	<1	0.17	10	0.28	287	<1	0.05	3	210	7	0.05	<2	1	81
G004371		<10	<1	0.14	10	0.46	266	1	0.06	5	210	10	0.05	<2	3	88
G004372		10	<1	0.06	<10	3.62	892	<1	0.06	53	170	2	0.12	<2	26	147
G004373		20	<1	0.09	<10	3.48	1155	3	0.05	95	960	3	0.07	<2	24	239
G004374		<10	<1	0.19	10	0.41	284	<1	0.07	7	240	46	0.03	<2	2	88
G004375		<10	<1	0.21	10	0.13	188	<1	0.07	2	240	17	0.05	<2	1	82
G004376		<10	<1	0.21	20	0.22	222	<1	0.07	2	280	13	0.05	<2	1	93
G004377		<10	<1	0.16	20	0.22	201	<1	0.07	2	320	7	0.04	<2	1	97
G004378		<10	<1	0.19	20	0.22	218	<1	0.07	2	340	8	0.07	<2	1	100
G004379		<10	<1	0.18	20	0.16	230	<1	0.07	2	330	11	0.08	<2	1	81
G004380		<10	<1	0.19	20	0.13	215	<1	0.07	1	330	9	0.05	<2	1	78
G004381		<10	<1	0.18	20	0.62	407	1	0.05	21	560	8	0.05	<2	4	105
G004382		20	<1	0.03	10	3.20	1280	<1	0.03	103	1310	2	0.04	<2	24	190
G004383		<10	<1	0.19	20	0.14	245	<1	0.05	3	400	13	0.03	<2	1	105
G004384		<10	<1	0.18	20	0.17	192	<1	0.05	4	420	8	0.01	<2	1	76
G004385		<10	<1	0.16	20	0.34	258	1	0.05	10	460	7	0.02	<2	2	99
G004386		<10	<1	0.01	<10	0.51	454	8	0.02	21	290	7	3.70	<2	4	92
G004387		<10	<1	0.02	<10	0.83	776	11	0.02	34	490	3	5.38	<2	7	99
G004388		10	<1	0.04	<10	3.51	1435	<1	0.03	113	540	<2	0.05	<2	23	135
G004389		<10	<1	0.02	<10	12.15	209	<1	0.01	1	270	<2	<0.01	<2	<1	59
G004390		10	<1	0.03	<10	4.07	1405	<1	0.03	104	480	<2	0.14	<2	14	116
G004391		10	<1	0.04	<10	4.71	1190	<1	0.03	106	440	<2	0.10	<2	13	114



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1

Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: ATAC RESOURCES LTD.

C/O ARCHER, CATHRO & ASSOCIATES (1981)

LIMITED

1016-510 W HASTINGS ST

VANCOUVER BC V6B 1L8

Project: HARTLESS JOE

Page: 2 - C

Total # Pages: 3 (A - C)

Finalized Date: 27-SEP-2008

Account: RCM

## CERTIFICATE OF ANALYSIS VA08126562

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
G004351		<20	<0.01	<10	<10	6	<10	24
G004352		<20	<0.01	<10	<10	25	<10	60
G004353		<20	0.01	<10	<10	27	<10	43
G004354		<20	<0.01	<10	<10	21	<10	65
G004355		<20	0.01	<10	<10	176	<10	125
G004356		<20	<0.01	<10	<10	4	<10	12
G004357		<20	<0.01	<10	<10	10	<10	21
G004358		<20	<0.01	<10	<10	1	<10	15
G004359		<20	<0.01	<10	<10	1	<10	15
G004360		<20	<0.01	<10	<10	<1	<10	11
G004361		<20	<0.01	<10	<10	4	<10	12
G004362		<20	0.01	<10	<10	179	<10	108
G004363		<20	<0.01	<10	<10	133	<10	108
G004364		<20	<0.01	<10	<10	4	<10	15
G004365		<20	<0.01	<10	<10	2	<10	19
G004367		<20	<0.01	<10	<10	3	<10	23
G004368		<20	<0.01	<10	<10	95	<10	151
G004369		<20	0.01	<10	<10	271	<10	67
G004370		<20	<0.01	<10	<10	7	<10	27
G004371		<20	<0.01	<10	<10	26	<10	36
G004372		<20	0.02	<10	<10	240	<10	83
G004373		<20	0.02	<10	<10	268	<10	110
G004374		<20	<0.01	<10	<10	20	<10	36
G004375		<20	<0.01	<10	<10	5	<10	30
G004376		<20	<0.01	<10	<10	4	<10	30
G004377		<20	<0.01	<10	<10	5	<10	23
G004378		<20	<0.01	<10	<10	4	<10	26
G004379		<20	<0.01	<10	<10	2	<10	27
G004380		<20	<0.01	<10	<10	2	<10	23
G004381		<20	<0.01	<10	<10	48	<10	51
G004382		<20	0.04	<10	<10	238	<10	104
G004383		<20	<0.01	<10	<10	6	<10	29
G004384		<20	<0.01	<10	<10	7	<10	23
G004385		<20	<0.01	<10	<10	25	<10	28
G004386		<20	<0.01	<10	<10	48	<10	27
G004387		<20	0.04	<10	<10	88	<10	44
G004388		<20	0.12	<10	<10	210	<10	68
G004389		<20	<0.01	<10	<10	7	<10	18
G004390		<20	0.32	<10	<10	179	<10	64
G004391		<20	0.26	<10	<10	167	<10	71



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1

Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: ATAC RESOURCES LTD.

C/O ARCHER, CATHRO & ASSOCIATES (1981)

LIMITED

1016-510 W HASTINGS ST

VANCOUVER BC V6B 1L8

Project: HARTLESS JOE

Page: 3 - A

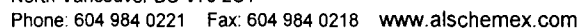
Total # Pages: 3 (A - C)

Finalized Date: 27-SEP-2008

Account: RCM

## CERTIFICATE OF ANALYSIS VA08126562

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA26	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.01	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
G004392		1.02	0.01	<0.2	0.73	<2	<10	90	<0.5	<2	2.48	<0.5	4	22	33	1.07
G004393		4.80	<0.01	<0.2	0.68	<2	<10	120	<0.5	<2	2.02	<0.5	3	14	9	0.96
G004394		2.22	<0.01	<0.2	0.54	<2	<10	100	<0.5	<2	1.95	<0.5	2	5	3	0.76
G004395		2.84	<0.01	<0.2	4.37	4	<10	10	<0.5	<2	6.00	<0.5	31	244	25	5.67
G004396		1.38	0.01	<0.2	4.21	3	<10	10	<0.5	<2	6.65	<0.5	29	234	28	5.33
G004397		1.94	<0.01	0.2	4.44	2	<10	10	<0.5	<2	7.07	<0.5	33	237	36	5.66
G004398		1.50	<0.01	<0.2	0.71	2	<10	30	<0.5	<2	3.68	<0.5	4	32	19	1.14
G004399		2.90	0.01	<0.2	1.09	8	<10	90	<0.5	<2	2.63	<0.5	5	9	14	1.67
H237511		1.68	<0.01	0.3	3.18	8	<10	90	<0.5	<2	4.80	<0.5	25	15	124	6.53
H237512		4.70	<0.01	0.2	1.34	4	<10	140	0.5	<2	2.08	<0.5	9	21	46	3.23
H237513		3.56	0.01	0.2	1.31	<2	<10	80	0.5	<2	1.72	<0.5	9	24	57	2.90
H237514		4.88	<0.01	0.2	1.15	<2	<10	170	0.6	<2	2.34	<0.5	10	22	69	2.89
H237515		4.06	<0.01	<0.2	1.53	<2	<10	80	0.5	<2	1.84	<0.5	10	31	72	2.96
H237516		4.70	<0.01	0.2	1.54	<2	<10	90	0.5	<2	1.83	<0.5	10	32	91	2.87
H237517		5.32	<0.01	<0.2	1.49	<2	<10	60	0.5	<2	2.00	<0.5	10	31	114	2.88
H237518		5.44	<0.01	<0.2	1.45	<2	<10	80	<0.5	<2	1.86	<0.5	10	33	27	2.76
H237519		0.68	<0.01	<0.2	2.10	<2	<10	110	0.5	<2	2.99	<0.5	13	62	9	3.68
H237520		3.18	<0.01	0.2	2.92	4	<10	220	0.5	<2	3.55	<0.5	23	109	22	5.26
H237521		1.50	0.01	<0.2	1.52	2	<10	80	0.5	<2	3.41	<0.5	11	28	6	3.15
H237522		2.10	0.01	<0.2	1.65	<2	<10	60	0.5	<2	2.36	<0.5	13	42	5	3.33
H237523		3.38	<0.01	0.2	2.94	<2	<10	90	<0.5	<2	3.65	<0.5	26	144	47	5.82
H237524		2.42	<0.01	<0.2	4.28	<2	<10	240	0.6	<2	3.75	<0.5	26	147	37	8.02
H237525		2.10	0.01	<0.2	1.49	<2	<10	210	<0.5	<2	1.95	<0.5	10	39	12	3.03
H237526		0.44	0.01	0.3	3.07	12	<10	50	0.5	<2	5.56	<0.5	36	168	56	6.91
H237527		5.18	<0.01	0.2	3.88	6	<10	140	0.5	<2	3.56	<0.5	34	149	108	7.23
H237528		2.46	0.01	<0.2	3.58	7	<10	170	0.5	<2	5.33	<0.5	37	168	69	7.07
H237529		1.20	<0.01	<0.2	1.43	2	<10	40	<0.5	<2	2.73	<0.5	11	28	38	3.11
H237530		2.32	<0.01	<0.2	1.51	2	<10	60	<0.5	<2	2.48	<0.5	10	31	16	3.08
H237531		1.02	<0.01	<0.2	0.06	<2	<10	30	<0.5	<2	20.5	<0.5	1	1	<1	0.43
H237532		1.34	<0.01	<0.2	0.80	9	<10	130	<0.5	2	3.08	<0.5	8	23	22	2.35
H237533		0.96	<0.01	<0.2	5.74	11	<10	60	0.5	<2	6.43	<0.5	36	174	30	10.20



Project: HARTLESS JOE

Account: RCM

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
G004392		<10	<1	0.18	10	0.38	298	2	0.05	9	340	11	0.14	<2	1	82
G004393		<10	<1	0.21	20	0.30	220	1	0.06	5	330	11	0.15	<2	1	73
G004394		<10	<1	0.16	20	0.20	179	<1	0.06	2	310	9	0.05	<2	1	65
G004395		10	1	0.05	<10	4.38	1070	<1	0.03	99	460	<2	0.10	<2	17	130
G004396		10	<1	0.01	<10	4.26	997	<1	0.02	93	410	2	0.07	2	16	139
G004397		10	<1	0.01	<10	4.56	1385	<1	0.02	105	480	<2	0.11	<2	19	112
G004398		<10	<1	0.03	10	0.57	278	1	0.06	12	280	3	0.11	<2	2	94
G004399		<10	<1	0.17	20	0.54	276	<1	0.04	5	510	7	0.19	<2	1	166
H237511		10	<1	0.09	<10	2.11	1075	<1	0.04	8	650	<2	0.12	<2	23	202
H237512		10	<1	0.15	20	0.77	340	2	0.05	24	930	9	0.05	<2	4	73
H237513		10	<1	0.13	30	0.75	314	1	0.05	24	940	7	0.02	<2	4	62
H237514		10	<1	0.13	30	0.71	405	2	0.05	23	920	8	0.05	<2	4	70
H237515		10	<1	0.11	30	1.12	430	1	0.06	24	960	6	0.07	<2	4	59
H237516		10	<1	0.09	20	1.12	444	1	0.06	24	940	8	0.07	2	4	56
H237517		10	<1	0.09	20	1.09	420	2	0.06	24	940	9	0.13	<2	5	55
H237518		10	<1	0.08	20	1.09	348	2	0.07	25	920	8	0.06	<2	6	47
H237519		10	<1	0.07	10	1.54	380	2	0.07	38	850	5	0.05	<2	7	60
H237520		10	<1	0.07	<10	1.87	617	<1	0.14	70	1040	3	0.11	2	10	91
H237521		10	<1	0.09	20	0.94	563	1	0.05	25	900	5	0.02	<2	5	93
H237522		10	<1	0.07	20	1.25	437	2	0.07	30	920	6	0.04	<2	6	64
H237523		10	<1	0.05	<10	2.09	563	<1	0.12	79	1410	2	0.12	3	12	81
H237524		20	<1	0.05	<10	3.37	832	<1	0.09	74	1020	3	0.14	<2	15	95
H237525		10	<1	0.07	20	1.13	338	2	0.07	28	900	7	0.10	<2	5	47
H237526		20	<1	0.04	<10	2.36	807	1	0.06	104	1580	4	0.85	<2	22	155
H237527		20	<1	0.04	<10	3.06	715	<1	0.09	82	1140	2	0.25	<2	17	102
H237528		10	<1	0.05	10	2.85	999	<1	0.04	101	1360	2	0.28	<2	22	182
H237529		10	<1	0.11	30	0.90	433	2	0.02	27	970	8	<0.01	2	5	77
H237530		<10	<1	0.11	30	1.08	455	2	0.03	26	950	8	<0.01	<2	4	81
H237531		<10	<1	0.02	<10	12.60	196	1	<0.01	<1	280	2	<0.01	<2	<1	56
H237532		<10	<1	0.21	20	0.81	513	3	<0.01	20	620	8	<0.01	<2	4	67
H237533		20	1	0.07	10	4.25	1230	2	<0.01	89	1070	2	<0.01	<2	25	246



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1

Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: ATAC RESOURCES LTD.

C/O ARCHER, CATHRO & ASSOCIATES (1981)

LIMITED

1016-510 W HASTINGS ST

VANCOUVER BC V6B 1L8

Project: HARTLESS JOE

Page: 3 - C

Total # Pages: 3 (A - C)

Finalized Date: 27-SEP-2008

Account: RCM

## CERTIFICATE OF ANALYSIS VA08126562

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
G004392		<20	0.01	<10	<10	14	<10	24
G004393		<20	0.01	<10	<10	9	<10	21
G004394		<20	<0.01	<10	<10	7	<10	20
G004395		<20	0.19	<10	<10	171	<10	68
G004396		<20	0.34	<10	<10	171	<10	66
G004397		<20	0.26	<10	<10	168	<10	69
G004398		<20	0.01	<10	<10	25	<10	18
G004399		<20	<0.01	<10	<10	10	<10	35
H237511		<20	0.04	<10	<10	199	<10	85
H237512		<20	<0.01	<10	<10	35	<10	45
H237513		<20	<0.01	<10	<10	33	<10	42
H237514		<20	<0.01	<10	<10	31	<10	40
H237515		<20	0.02	<10	<10	37	<10	43
H237516		<20	0.08	<10	<10	43	<10	44
H237517		<20	0.10	<10	<10	46	<10	42
H237518		<20	0.18	<10	<10	55	<10	40
H237519		<20	0.29	<10	<10	96	<10	58
H237520		<20	0.48	<10	<10	163	<10	86
H237521		<20	0.03	<10	<10	43	<10	38
H237522		<20	0.09	<10	<10	64	<10	41
H237523		<20	0.46	<10	<10	193	<10	85
H237524		<20	0.46	<10	<10	221	<10	92
H237525		<20	0.19	<10	<10	66	<10	41
H237526		<20	0.22	<10	<10	272	<10	72
H237527		<20	0.54	<10	<10	234	<10	66
H237528		<20	0.16	<10	<10	258	<10	70
H237529		<20	0.01	<10	<10	42	<10	41
H237530		<20	0.01	<10	<10	44	<10	41
H237531		<20	<0.01	<10	<10	2	<10	12
H237532		<20	<0.01	<10	<10	38	<10	33
H237533		<20	0.02	<10	<10	296	<10	127