@AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

COMPREHENSIVE VALIDATION PACKAGE

ATL Applications

INVENTORY SHEET

WORK ORDER # 0908629A

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Completed by:

Kara McKiernan	Kara McKiernan/ Document Control	09/17/09
(Signature)	(Print Name & Title)	(Date)

WORK ORDER #: 0908629A

Work Order Summary

CLIENT:	Mr. Taeko Minegishi Environmental Health & Engineering, Inc. 117 Fourth Avenue Needham, MA 02494	**BILL TO:**	Accounts Payable Environmental Health & Engineering, Inc. 117 Fourth Avenue Needham, MA 02494
PHONE:	800-825-5343	**P.O. #**	16512
FAX:	781-247-4305	**PROJECT #**	16512
DATE RECEIVED:	08/28/2009	**CONTACT:**	Ausha Scott
DATE COMPLETED:	09/15/2009		

FRACTION #	NAME	TEST
01A	100482	ATL Applications
01AA	100482 Lab Duplicate	ATL Applications
02A	100483	ATL Applications
03A	100484	ATL Applications
04A	100485	ATL Applications
05A	100486	ATL Applications
06A	100487	ATL Applications
07A	100405	ATL Applications
08A	100406	ATL Applications
09A	100407	ATL Applications
09AA	100407 Lab Duplicate	ATL Applications
10A	100408	ATL Applications
11A	100409	ATL Applications
12A	100410	ATL Applications
13A	101176	ATL Applications
14A	101177	ATL Applications
15A	101178	ATL Applications

Continued on next page

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 0908629A

Work Order Summary

CLIENT:	Mr. Taeko Minegishi Environmental Health & Engineering, Inc. 117 Fourth Avenue Needham, MA 02494	**BILL TO:**	Accounts Payable Environmental Health & Engineering, Inc. 117 Fourth Avenue Needham, MA 02494
PHONE:	800-825-5343	**P.O. #**	16512
FAX:	781-247-4305	**PROJECT #**	16512
DATE RECEIVED:	08/28/2009	**CONTACT:**	Ausha Scott
DATE COMPLETED:	09/15/2009		

FRACTION #	NAME	TEST
16A	101179	ATL Applications
17A	Method Blank	ATL Applications
17B	Method Blank	ATL Applications
18A	CCV	ATL Applications

CERTIFIED BY: Linda S. Truman

Laboratory Director

DATE: 09/15/09

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Hydrogen Sulfide by Radiello 170
Environmental Health & Engineering, Inc.
Workorder# 0908629A

Sixteen Radiello 170 (H2S) samples were received on August 28, 2009. The procedure involves adsorption of H2S by zinc acetate to form zinc sulfide. The sulfide is then recovered by extraction with water and addition of ferric chloride in a strongly acidic solution to produce methylene blue. Methylene blue absorbance is then measured at 665 nm using a spectrophotometer. Results are reported in uG and uG/m3.

Sampling rate of 69 mL/min for H2S was provided by the manufacturer.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Results were calculated based on 25 deg C without temperature correction. The actual exposure time was used to calculate sample concentrations and reporting limits.

An exposure time of 21600 minutes was used for the QC samples.

All media used for the sampling were supplied by the client. Blank subtraction was not performed on the sample results since the media used for Method Blanks may be from a different lot than the media used for the samples.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Sample Results and Raw Data

AIR TOXICS LTD.

ATL Application # 59 for RAD 170 (Hydrogen Sulfide)

Spectrophotometer

0005

Field Sample I.D.	Lab Sample I.D.	Collection Date	Analysis Date	Dilution Factor	Reporting Limit (ug)	Reporting Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
100482	0908629A-01A	8/24/2009	9/10/2009	1.00	0.80	0.58	1.2	0.86
100482 Duplicate	0908629A-01AA	8/24/2009	9/10/2009	1.00	0.80	0.58	1.4	0.99
100483	0908629A-02A	NA	9/10/2009	1.00	0.80	0.50	ND	ND
100484	0908629A-03A	8/24/2009	9/10/2009	1.00	0.80	0.58	0.81	0.59
100485	0908629A-04A	8/24/2009	9/10/2009	1.00	0.80	0.58	1.6	1.1
100486	0908629A-05A	8/24/2009	9/10/2009	1.00	0.80	0.58	ND	ND
100487	0908629A-06A	8/24/2009	9/10/2009	1.00	0.80	0.58	0.98	0.72
100405	0908629A-07A	8/24/2009	9/10/2009	1.00	0.80	0.54	ND	ND
100406	0908629A-08A	8/24/2009	9/10/2009	1.00	0.80	0.54	ND	ND
100407	0908629A-09A	8/24/2009	9/10/2009	1.00	0.80	0.54	3.0	2.0
100407 Duplicate	0908629A-09AA	8/24/2009	9/10/2009	1.00	0.80	0.54	3.0	2.0
100408	0908629A-10A	8/24/2009	9/10/2009	1.00	0.80	0.54	ND	ND
100409	0908629A-11A	8/24/2009	9/10/2009	1.00	0.80	0.54	ND	ND
100410	0908629A-12A	NA	9/10/2009	1.00	0.80	0.50	ND	ND
101176	0908629A-13A	8/25/2009	9/10/2009	1.00	0.80	0.50	1.3	0.82
101177	0908629A-14A	8/25/2009	9/10/2009	1.00	0.80	0.50	0.88	0.56
101178	0908629A-15A	8/25/2009	9/10/2009	1.00	0.80	0.50	ND	ND
101179	0908629A-16A	8/25/2009	9/10/2009	1.00	0.80	0.50	1.2	0.79
Method Blank	0908629A-17A	NA	9/10/2009	1.00	0.80	0.50	ND	ND
Method Blank	0908629A-17B	NA	9/10/2009	1.00	0.80	0.50	ND	ND
							%Rec	
CCV	0908629A-18A	NA	9/10/2009	1.00	0.80	0.50	107	

COMMENTS: 1. NA=Not Applicable
2. ND=Not Detected
3. Exposure time of 21600 minutes was assumed for the QC samples.
4. Background subtraction not performed.

Hydrogen Sulfide Radiello Calculation Worksheet

Workorder #:	0908629A	
Sampling Rate (ng/ppb.min)	0.096	Typically0.096 for H2S
Sampling T (deg C)	25	Typically 25
Volume (mL)	10.5	Typically 10.5 for H2S
Date of Analysis:	9/10/2009	
Corrected Q	0.096	Takes into account temp

Q includes conversion from Sulfide to H2S

						(Abs-Y-int)xDF	Conc(ug/mL)xVol (mL)	conc (ug sulfide) *MW H2S	Conc (ug) x 1000	ppbx mw
						Slope		MW Sulfide	Q x Duration	24.45
									T Corrected, no Blank correction	
LabSampleID	Client	Date of Collection	Abs	Duration (min)	DF	Conc (ug/mL) of sulfide	Conc (ug) of sulfide	Conc (ug) of H2S	Conc (ppb) of H2S	Conc (ug/m3) of H2S
01A	100482	8/24/2009	0.126	18720	1.00	0.105610949	1.108914969	1.178485811	0.617	0.860
01AA	100482 Duplicate	8/24/2009	0.142	18720	1.00	0.12206422	1.281674313	1.36208369	0.713	0.994
02A	100483	NA	0.029	21600	1.00	0.005862995	0.061561445	0.065423672	0.030	0.041
03A	100484	8/24/2009	0.094	18720	1.00	0.072704408	0.763396281	0.811290054	0.425	0.592
04A	100485	8/24/2009	0.159	18720	1.00	0.139545821	1.465231116	1.557156436	0.815	1.137
05A	100486	8/24/2009	0.091	18720	1.00	0.069619419	0.731003904	0.776865452	0.407	0.567
06A	100487	8/24/2009	0.109	18720	1.00	0.088129349	0.925358166	0.983413065	0.515	0.718
07A	100405	8/24/2009	0.079	20160	1.00	0.057279466	0.601434395	0.639167043	0.311	0.433
08A	100406	8/24/2009	0.089	20160	1.00	0.067562761	0.709408986	0.753915717	0.367	0.511
09A	100407	8/24/2009	0.284	20160	1.00	0.268086999	2.814913493	2.991514863	1.454	2.027
09AA	100407 Duplicate	8/24/2009	0.286	20160	1.00	0.270143658	2.836508411	3.014464598	1.466	2.043
10A	100408	8/24/2009	0.083	20160	1.00	0.061392784	0.644624232	0.685066513	0.333	0.464
11A	100409	8/24/2009	0.075	20160	1.00	0.053166149	0.558244559	0.593267573	0.288	0.402
12A	100410	NA	0.027	21600	1.00	0.003806336	0.039966527	0.042473937	0.019	0.027
13A	101176	8/25/2009	0.136	21600	1.00	0.115894244	1.216889559	1.293234486	0.587	0.818
14A	101177	8/25/2009	0.100	21600	1.00	0.078874384	0.828181035	0.880139259	0.399	0.557
15A	101178	8/25/2009	0.076	21600	1.00	0.054194478	0.569042018	0.604742441	0.274	0.383
16A	101179	8/25/2009	0.132	21600	1.00	0.111780926	1.173699723	1.247335016	0.566	0.789
					1.00	-0.023958559	-0.251564866	-0.267347483	#DIV/0!	#DIV/0!
					1.00	-0.023958559	-0.251564866	-0.267347483	#DIV/0!	#DIV/0!
					1.00	-0.023958559	-0.251564866	-0.267347483	#DIV/0!	#DIV/0!
					1.00	-0.023958559	-0.251564866	-0.267347483	#DIV/0!	#DIV/0!
17A	Method Blank	NA	0.021	21600	1.00	-0.002363641	-0.024818227	-0.026375267	-0.012	-0.017
17B	Method Blank	NA	0.022	21600	1.00	-0.001335311	-0.014020768	-0.0149004	-0.007	-0.009
18A	CCV	NA	0.621	21600	1.00	0.614634017	6.453657179	6.858545182	3.112	4.338

QC Duration	CCV Spike Amt
21600	0.572

Verified: HH and AW on 9/4/09

Low PointxDF	RL(ug/mL)xVol (mL)	RL (ug sulfide) *MW H2S / MW Sulfide	Q includes conversion from Sulfide to H2S RL (ug) x 1000 / Q x Duration	ppbx mw 24.45				Calibration Data	Calibration Date 9/10/2009 Linear Regression		
					T Corrected, no Blank correction						
RL(ug/ml) of sulfide	RL (ug) of sulfide	RL (ug) of H2S	RL (ppb) of H2S	RL (ug/m3)	Result (ug) H2S	Result (ug/m3) H2S	%Rec	ug/ml of sulfide	absorbance		
0.072	0.752	0.798966249	0.42	0.583	1.178485811	0.8601365		0	0	Slope	0.972451017
0.072	0.752	0.798966249	0.42	0.583	1.36208369	0.994138314		0.0716	0.074	Y-int	0.023298525
0.072	0.752	0.798966249	0.36	0.505	ND	ND		0.143	0.151	R2	0.997046605
0.072	0.752	0.798966249	0.42	0.583	0.811290054	0.592132871		0.286	0.316		
0.072	0.752	0.798966249	0.42	0.583	1.557156436	1.136515241		0.572	0.613		
0.072	0.752	0.798966249	0.42	0.583	ND	ND		1.145	1.119		
0.072	0.752	0.798966249	0.42	0.583	0.983413065	0.717759572					
0.072	0.752	0.798966249	0.39	0.541	ND	ND					
0.072	0.752	0.798966249	0.39	0.541	ND	ND					
0.072	0.752	0.798966249	0.39	0.541	2.991514863	2.027446956					
0.072	0.752	0.798966249	0.39	0.541	3.014464598	2.043000738					
0.072	0.752	0.798966249	0.39	0.541	ND	ND					
0.072	0.752	0.798966249	0.39	0.541	ND	ND					
0.072	0.752	0.798966249	0.36	0.505	ND	ND					
0.072	0.752	0.798966249	0.36	0.505	1.293234486	0.818035949					
0.072	0.752	0.798966249	0.36	0.505	0.880139259	0.556732411					
0.072	0.752	0.798966249	0.36	0.505	ND	ND					
0.072	0.752	0.798966249	0.36	0.505	1.247335016	0.789002223					
0.072	0.752	0.798966249	#DIV/0!	#DIV/0!	ND	#DIV/0!					
0.072	0.752	0.798966249	#DIV/0!	#DIV/0!	ND	#DIV/0!					
0.072	0.752	0.798966249	#DIV/0!	#DIV/0!	ND	#DIV/0!					
0.072	0.752	0.798966249	#DIV/0!	#DIV/0!	ND	#DIV/0!					
0.072	0.752	0.798966249	0.36	0.505	ND	ND					
0.072	0.752	0.798966249	0.36	0.505	ND	ND	%Rec				
0.072	0.752	0.798966249	0.36	0.505	6.858545182	4.338375274	107				

QC Results and Raw Data

Spectrophotometer Logbook

@Air Toxics Ltd.

Log Book #: 1873

Work Order: 0908629A

Method: Rad 170

Wavelength: 665 nm

Date: 9/10/09

Analyst: M. Skidmore

Prep. Notes:

Standard ID	Concentration	ABS
1858-36 E	0.0716 ug/mL	0.074
D	0.143 ug/mL	0.151
C	0.286 ug/mL	0.316
B	0.572 ug/mL	0.613
A	1.145 ug/mL	1.119

r = ~~0.9968~~ 0.9970
m = ~~0.9744~~ 0.97245
b = ~~0.0215~~ 0.02329
MJS 9/15/09

Fraction	Dilution	ABS	Sample ID	Sample Volume
01A	1.00	0.126	100482	10.5 mL
02A		0.029	100483	
03A		0.094	100484	
04A		0.159	100485	
05A		0.091	100486	
06A		0.109	100487	
07A		0.079	100405	
08A		0.089	100406	
09A		0.284	100407	
10A		0.083	100408	
11A		0.075	100409	
12A		0.027	100410	
13A		0.136	101176	
14A		0.100	101177	
15A		0.076	101178	
16A		0.132	101179	
BIK		0.021	N/A	
BIK		0.022	↓	
CCV/LCS		0.621	N/A	
01AA		0.142	100482	
09AA	↓	0.286	100407	↓

MJS 9/11/09

Notes: CCV/LCS @ 0.572 ug/mL
Spiked Sample: 0.145 (1.0 mL of 1000 ppm) (Cartridge)

Signed: [signature] Date: 9/11/09

Spectrophotometer Standard Preparation Log **@Air Toxics Ltd.** **Log Book #: 1858**

Standard ID: 1858-36
Project: Calibration Solution Rad 170
Analyst: M. Skidmore
Preparation Date: 9/10/09
Expiration Date: 9/10/09

Solvent: D.I. H_2O
Solvent Lot #: N/A

Procedure/Comments:

Solution A: 2mL of Code Rad 171 (1476-984, exp 8/6/2010 ERIB) with 98 mL DI water = 1.145 µg/mL

Solution B: 2.5 mL of Solution A with 2.5mL DI water = 0.572 µg/mL.

Solution C: 1.25 mL of Solution A with 3.75mL DI Water = 0.286 µg/mL

Solution D: 0.625 mL of Solution A with 4.375 mL DI water = 0.143 µg/mL

Solution E: 0.375 mL of Solution A with 5.625mL DI water = 0.076 µg/mL

MJS
9/10/09

Signed 9/10/09 Date Reviewed 9/10/09 Date

Shipping/ Receiving Documents

Air Toxics LTD.
Laboratory Services Since 1989

180 Blue Ravine Road, Suite B
Folsom, CA 95630

Phone (916) 985-1000 FAX (916) 985-1020
Hours 8:00 A.M. to 6:00 P.M. Pacific

COMPANY:	Environmental Health & Engineering, Inc.
ATTENTION:	Mr. Taeko Minegishi
FAX #:	781-247-4305
FROM:	Sample Receiving
Workorder #:	0908629A
# of pages (Including Cover):	4

9/17/2009

Thank you for selecting Air Toxics Ltd. We have received your samples and have found discrepancies. In order to expedite analysis and reporting, please review the attached information for accuracy. Corrections can be faxed to **Ausha Scott at 916-985-1020.**
ATL will proceed with the analysis as specified on the Chain of Custody and Sample Login page.

In accordance with your company's contract, this account is required to have a PO that is fully executed by both parties which also covers the cost of the workorder before any data can be released. Please ensure that you have given all appropriate information to our Project Manager so that there will be no delay in reporting of the data you are requesting.

Your prompt response is appreciated.

Environmental Health & Engineering, Inc.

CHAIN OF CUSTODY FORM

0908629

DATE: 27 AUG 09

FROM: Environmental Health and Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494-2725

TO: AIR TOXICS

Please send invoices to ATTN: Accounts Payable
Please send reports to ATTN: Data Coordinator

In all correspondence regarding this matter, please refer to EH&E Project # 16512

The cost of this analysis will be covered by EH&E Purchase Order # 16512

For EH & E Data Coordinator - URGENT DATA ☑

	SAMPLE ID	SAMPLE TYPE	ANALYTICAL METHOD/NUMBER	START	OTHER: Time/Date/Vol.	STOP
01A	100482	AIR/PASSIVE	H_2S ANALYSIS	8/11/09	8/24/09	
02A	100483				Ø	
03A	100484				8/24/09	
04A	100485					
05A	100486					
06A	100487					
07A	100405			8/10/09	8/24/09	
08A	100406					
09A	100407					
10A	100408					
11A	100409					
12A	100410				Ø	
13A	101176			8/10/09	8/25/09	
14A	101177					
15A	101178					
16A	101179					

Special Instructions:

☑ Standard turn around time ☐ Rush by _____ date/time ☐ Other _____

☐ Fax results 781-247-4305

☐ **RETURN SAMPLES**

☑ Electronic transfer - datacoordinator@ehsinc.com

☑ Additional report recipient mfraysda@chemlicom

Fax 8704 2331402

CUSTODY SEAL INTACT? Y N NONE TEMP 6 °C

Each signatory please return one copy of this form to the above address

Relinquished by: _____ of Environmental Health & Engineering, Inc. Date: 8/27/09

Received by: _____ 0850 of (company name) ATC Date: 8/28/09

Relinquished by: _____ of (company name) _____ Date: _____

Received by: _____ of (company name) _____ Date: _____

Relinquished by: _____ of (company name) _____ Date: _____

Received by: _____ of (company name) _____ Date: _____

Lab Data
Received by: _____ of Environmental Health & Engineering, Inc. Date: _____

WHITE-EH&E FILE COPY YELLOW-LAB COPY PINK-PROJECT MANAGER COPY GOLD-DATA COORDINATOR COPY

Air Toxics LTD.
Laboratory Services Since 1989

SAMPLE RECEIPT SUMMARY

WORKORDER 0908629A

Client

Mr. Taeko Minegishi
Environmental Health & Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494

Phone

800-825-5343

Fax

781-247-4305

Sales Rep: TL

Date Promised: 09/09/09 11:59 pm
Date Completed:
Date Received: 8/28/09
PO#: 16512
Project#: 16512

Total $: $ 816.00
Logged By: MG

Fraction	Sample #	Analysis	Collected	Amount$
01A	100482	ATL Applications	8/24/2009	$50.00
02A	100483	ATL Applications	NA	$50.00
03A	100484	ATL Applications	8/24/2009	$50.00
04A	100485	ATL Applications	8/24/2009	$50.00
05A	100486	ATL Applications	8/24/2009	$50.00
06A	100487	ATL Applications	8/24/2009	$50.00
07A	100405	ATL Applications	8/24/2009	$50.00
08A	100406	ATL Applications	8/24/2009	$50.00
09A	100407	ATL Applications	8/24/2009	$50.00
10A	100408	ATL Applications	8/24/2009	$50.00
11A	100409	ATL Applications	8/24/2009	$50.00
12A	100410	ATL Applications	NA	$50.00
13A	101176	ATL Applications	8/15/2009	$50.00
14A	101177	ATL Applications	8/25/2009	$50.00
15A	101178	ATL Applications	8/25/2009	$50.00
16A	101179	ATL Applications	8/25/2009	$50.00

Misc. Charges eCVP (1) @ $16.00 each. $16.00

Note: Samples received after 3 P.M. PST are considered to be received on the following work day.
Atlas Project Name/Profile#: CPSC Indoor Air Monitoring/13297

BILL TO: Accounts Payable
Environmental Health & Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494

Analysis Code: Other GC

TERMS:

Reporting Method: ATL Application #59 H2S-Radiello 170

Other Records

Air Toxics LTD.
Laboratory Services Since 1989

Method : ATL Application #59 H2S-Radiello 170

CAS Number	Compound	Rpt. Limit (ug)
7783-06-4	Hydrogen Sulfide	1.2

@Air Toxics Ltd.

DATA REVIEW CHECKLIST

Work Order #: 0908628A

A_1	A_2	R	T	M	Q	
☐	☐	☑	☐	☑	☐	Analysis/Reporting vs. Project Profile/SOP requirements checked (i.e. 100% Dups, J-Flag to MDL, etc)
		☑	☐	☑	☐	The final report has the correct reporting list, special units, and header info.
		☐	☐	☑	☐	Lab Narrative is correct (proper method & description/Receiving & Analytical notes correct)
		NA	☐	☑	☐	Sample Discrepancy Report (SDR) is completed
☐	☐	☐	☐	☐	☐	Corrective Action issued - # _____
☐	☐	☐	☐	☑	☐	Unusual circumstances have been documented in the notes section below

LUMEN *validation report present and initialed* ***CIRCLE (YES / NO)***

☐	☐	☑	☐	☐	☐	Lab Blank, CCV, LCS and DUP met QC criteria
☐	☐	☑	☐	☐	☐	Hold time is met for all samples
		NA	☐	NA	☐	Appropriate data qualifier flags are applied
		☐	☐	☑	☐	Manual integrations for samples and QC are properly documented
☐	☐	☐	☐		☐	Samples analyzed within the project or method specific clock
		☑	☐			Retention times have been verified
☐	☐	☑	☐		☐	Appropriate ICAL(s) included
		☐	☐	☑	☐	At least one result per sample is verified against the target quant sheets/raw data
☐	☐	☑	☐		☐	Dilution factor correctly calculated (sample load volume, syringe and bag dilutions, can pressurization(s))
☐	☐	☑	☐			Correct amount of sample analyzed (i.e. sample not over-diluted)
		NA	☐			Spectra verified - documentation of spectral defense included (Section 5A of eCVP pkg)
		☐	☐			TICs resemble reference spectra
		☑	☐			TICs between duplicate samples are consistent
☐	☐	☑	☐	☑	☐	Checked samples for trends (i.e. Influent vs. Effluent, Field Dups, Field/Trip Blank, etc.)
☐	☐	NA	☐			Data for multiple analyses of sample(s) has been evaluated for comparability of results
		☑	NA	☐		Special units for all samples in the final report are correctly calculated
		☑	☐	☑		Manually entered results checked (i.e. TPH/NMOC)
☐	☐	☑				Chain of Custody verified for any special comments (i.e. different compounds/RLs, action levels)
		☑				Chain of Custody scanned correctly
				☐		Verify sample id's vs. chain of custody
		NA				Date MDL(s) performed per instrument(s) _____
☐	☐	☐				Samples pressurized w/ appropriate gas (N_2 or He) ☑ Other (i.e. Tedlar bag, cartridge, sorbent)
☐	☐	☐				Final pressure consistent with canister size (6L vs. 1L)
☐	☐	☐				Verify receipt pressures
☐	☐	☑				Verify canister ID #'s
		☑		☑		Final invoice amount correct (adjusted for TAT, Penalties, Re-issue Charges etc.)
			NA	☐		MDL date(s) present for all instruments utilized
		NA	☐	NA	☐	Client LUMEN report reviewed for accuracy and completeness

Notes: *(to include: noting samples with QA/QC problems, Blanks with positive hits, narratives, etc.)*

A/R: dup 01A + 09A

M/Q:

A_1/A_2 (Analytical Review/Date)	R/T (Reporting Review/Date)	M (Management Review/Date)	Q (QA Review/Date)
A_1:	R: LY 9/15/09	RR 9/15/09	
A_2:	T:		

Note (1): Please check all the appropriate boxes. Indicate "NA" for any statement that does not apply. Rev. 02/20/09

Note (2): Management reviewer and reporting reviewer must be separate individuals.