@AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

COMPREHENSIVE VALIDATION PACKAGE

ATL Applications

INVENTORY SHEET

WORK ORDER # 0909122C

	Page Nos. From	Page Nos. To
1. Work Order Cover Page & Laboratory Narrative & Table	1	3
2. Sample Results and Raw Data (Organized By Sample)	4	7
a. ATL Sample Results Form		
b. Target Compound Raw Data		
-Internal Standard Area and Retention Time Summary (If Applicable)		
-Surrogate Recovery Summary (If Applicable)		
-Chromatogram(s) and Ion Profiles (If Applicable)		
3. QC Results and Raw Data		
a. Method Blank (Results + Raw Data)	-	-
b. Surrogate Recovery Summary Form (If Applicable)	-	-
c. Internal Standard Summary Form (If Applicable)	-	-
d. Duplicate Results Summary Sheet	-	-
e. Matrix Spike/Matrix Spike Duplicate (Results + Raw Data)	-	-
f. Initial Calibration Data (Summary Sheet + Raw Data)		
g. MDL Study (If Applicable)	-	-
h. Continuing Calibration Verification Data		
i. Second Source LCS (Summary + Raw Data)	-	-
j. Extraction Logs	-	-
k. Instrument Run Logs/Software Verification	8	10
l. GC/MS Tune (Results + Raw Data)	-	-
4. Shipping/Receiving Documents:		
a. Login Receipt Summary Sheet	11	12
b. Chain-of-Custody Records	13	13
c. Sample Log-In Sheet	14	15
d. Misc. Shipping/Receiving Records (list individual records)		
Sample Receipt Discrepancy Report	-	-
5. Other Records (describe or list)		
a. Manual Spectral Defense	-	-
b. Manual Intergrations	-	-
c. Manual Calculations	-	-
d. Canister Dilution Factors	-	-
e. Laboratory Corrective Action Request	-	-
f. CAS Number Reference	16	17
g. Variance Table	-	-
h. Canister Certification	-	-
i. Data Review Check Sheet	18	18

Completed by:

Kara McKiernan	Kara McKiernan/ Document Control	09/21/09
(Signature)	(Print Name & Title)	(Date)

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 0909122C

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:	09/04/2009	**CONTACT:**	Ausha Scott
DATE COMPLETED:	09/18/2009		

FRACTION #	NAME	TEST
33A	102117	ATL Applications
33AA	102117 Lab Duplicate	ATL Applications
34A	102118	ATL Applications
35A	102119	ATL Applications
36A	102120	ATL Applications
37A	102147	ATL Applications
38A	102148	ATL Applications
39A	102149	ATL Applications
39AA	102149 Lab Duplicate	ATL Applications
40A	102150	ATL Applications
41A	102151	ATL Applications
42A	102152	ATL Applications
43A	102153	ATL Applications
44A	103137	ATL Applications
45A	103138	ATL Applications
46A	103139	ATL Applications
47A	103140	ATL Applications

Continued on next page

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 0909122C

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:	09/04/2009	**CONTACT:**	Ausha Scott
DATE COMPLETED:	09/18/2009		

FRACTION #	NAME	TEST
48A	103141	ATL Applications
49A	103142	ATL Applications
50A	Method Blank	ATL Applications
50B	Method Blank	ATL Applications
50C	Method Blank	ATL Applications
51A	CCV	ATL Applications

CERTIFIED BY: _____ DATE: 09/18/09

Laboratory Director

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

Air Toxics LTD.
Laboratory Services Since 1989

LABORATORY NARRATIVE
Ozone by Radiello 172
Environmental Health & Engineering, Inc.
Workorder# 0909122C

Seventeen Radiello 172 (Ozone) samples were received on September 04, 2009. The procedure involves reaction of 4-pyridylaldehyde with 3-methyl-2-benzothiazolinone hydrazone to yield the corresponding azide. The absorbance is then measured at 430 nm using a spectrophotometer. Results are reported in uG and uG/m3.

Sampling rate of 24.6 mL/min 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 20160 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 # 62 for RAD 172 (Ozone)

Spectrophotometer

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)
102117	0909122C-33A	9/3/2009	9/4/2009	1.00	0.64	1.3	12	24
102117 Duplicate	0909122C-33AA	9/3/2009	9/4/2009	1.00	0.64	1.3	12	24
102118	0909122C-34A	9/3/2009	9/4/2009	1.00	0.64	1.3	ND	ND
102119	0909122C-35A	9/3/2009	9/4/2009	1.00	0.64	1.3	ND	ND
102120	0909122C-36A	NA	9/4/2009	1.00	0.64	1.3	ND	ND
102147	0909122C-37A	9/3/2009	9/4/2009	1.00	0.64	1.3	ND	ND
102148	0909122C-38A	9/3/2009	9/4/2009	1.00	0.6	1.3	ND	ND
102149	0909122C-39A	9/3/2009	9/4/2009	1.00	0.64	1.3	10	21
102149 Duplicate	0909122C-39AA	9/3/2009	9/4/2009	1.00	0.64	1.3	10	21
102150	0909122C-40A	9/3/2009	9/4/2009	1.00	0.64	1.3	ND	ND
102151	0909122C-41A	9/3/2009	9/4/2009	1.00	0.64	1.3	ND	ND
102152	0909122C-42A	NA	9/4/2009	1.00	0.64	1.3	ND	ND
102153	0909122C-43A	NA	9/4/2009	1.00	0.64	1.3	ND	ND
103137	0909122C-44A	9/3/2009	9/4/2009	1.00	0.64	1.3	ND	ND
103138	0909122C-45A	9/3/2009	9/4/2009	1.00	0.64	1.3	ND	ND
103139	0909122C-46A	9/3/2009	9/4/2009	1.00	0.64	1.3	11	23
103140	0909122C-47A	9/3/2009	9/4/2009	1.00	0.64	1.3	ND	ND
103141	0909122C-48A	9/3/2009	9/4/2009	1.00	0.64	1.3	ND	ND
103142	0909122C-49A	NA	9/4/2009	1.00	0.64	1.3	ND	ND
Method Blank	0909122C-50A	NA	9/4/2009	1.00	0.64	1.3	ND	ND
Method Blank	0909122C-50B	NA	9/4/2009	1.00	0.64	1.3	ND	ND
Method Blank	0909122C-50C	NA	9/4/2009	1.00	0.64	1.3	ND	ND
								%Rec
CCV	0909122C-51A	NA	9/4/2009	1.00	0.64	1.3		101

COMMENTS: 1. NA=Not Applicable
2. ND=Not Detected
3. Exposure time of 20160 minutes was assumed for the QC samples.
4. Background subtraction not performed.

0005

Ozone Radiello Calculation Worksheet

Workorder #:	0909122C	
Sampling Rate (mL/min))	24.6	Typically 24.6 for Ozone
Sampling T (deg C)	25	Typically 25
Volume (mL)	5	Typically 5 for Ozone
Date of Analysis:	9/4/2009	

(Abs-Y-int)xDF / Slope

Conc (ug) x 1000000 / Q x Duration

Low PointxDF

Corrected Q 24.6 Ozone taking into account Temp

LabSampleID	Client	Date of Collection	Abs	Duration (min)	DF	Ozone Conc (ug)	Conc (ug/m3)	RL(ug)
33A	102117	9/3/2009	1.411	20160	1.00	12.15977158	24.519	0.638
33AA	102117 Duplicate	9/3/2009	1.413	20160	1.00	12.17731254	24.554	0.638
34A	102118	9/3/2009	0.047	20160	1.00	0.196839054	0.397	0.638
35A	102119	9/3/2009	0.053	20160	1.00	0.249461924	0.503	0.638
36A	102120	NA	0.033	20160	1.00	0.074052356	0.149	0.638
37A	102147	9/3/2009	0.049	20160	1.00	0.214380011	0.432	0.638
38A	102148	9/3/2009	0.044	20160	1.00	0.170527619	0.344	0.638
39A	102149	9/3/2009	1.223	20160	1.00	10.51092164	21.194	0.638
39AA	102149 Duplicate	9/3/2009	1.226	20160	1.00	10.53723308	21.247	0.638
40A	102150	9/3/2009	0.048	20160	1.00	0.205609532	0.415	0.638
41A	102151	9/3/2009	0.050	20160	1.00	0.223150489	0.450	0.638
42A	102152	NA	0.034	20160	1.00	0.082822835	0.167	0.638
43A	102153	NA	0.042	20160	1.00	0.152986662	0.308	0.638
44A	103137	9/3/2009	0.048	20160	1.00	0.205609532	0.415	0.638
45A	103138	9/3/2009	0.048	20160	1.00	0.205609532	0.415	0.638
46A	103139	9/3/2009	1.333	20160	1.00	11.47567427	23.139	0.638
47A	103140	9/3/2009	0.045	20160	1.00	0.179298097	0.362	0.638
48A	103141	9/3/2009	0.047	20160	1.00	0.196839054	0.397	0.638
49A	103142	NA	0.042	20160	1.00	0.152986662	0.308	0.638
					1.00	-0.215373431	#DIV/0!	0.638
					1.00	-0.215373431	#DIV/0!	0.638
					1.00	-0.215373431	#DIV/0!	0.638
50A	Method Blank	NA	0.028	20160	1.00	0.030199964	0.061	0.638
50B	Method Blank	NA	0.026	20160	1.00	0.012659008	0.026	0.638
50C	Method Blank	NA	0.024	20160	1.00	-0.004881949	-0.010	0.638
51A	CCV	NA	0.759	20160	1.00	6.441419669	12.988	0.638

QC Duration	CCV Spike Amt
20160	6.384

Verified by HH and AW on 9/4/09

RL (ug) x 1000000
Q x Duration

Calibration Data

Date of Calibration
9/4/2009 Linear Regression

4-PA
ug/ml*0.224*0.5mL

RL (ug/m3)	Result (ug)	Result (ug/m3)	%Rec	4-PA ug/mL	ug Ozone	absorbance		
1.287	12.15977158	24.51883223		0	0	0	Slope	0.114018866
1.287	12.17731254	24.55420163		5.7	0.6384	0.092	Y-int	0.024556634
1.287	ND	ND		11.4	1.2768	0.166	R2	0.999738139
1.287	ND	ND		22.8	2.5536	0.317		
1.287	ND	ND		57	6.384	0.768		
1.287	ND	ND		114	12.768	1.473		
1.287	ND	ND						
1.287	10.51092164	21.194109		hand entry				
1.287	10.53723308	21.2471631						
1.287	ND	ND						
1.287	ND	ND						
1.287	ND	ND						
1.287	ND	ND						
1.287	ND	ND						
1.287	ND	ND						
1.287	11.47567427	23.13942579						
1.287	ND	ND						
1.287	ND	ND						
1.287	ND	ND						
#DIV/0!	ND	#DIV/0!						
#DIV/0!	ND	#DIV/0!						
#DIV/0!	ND	#DIV/0!						
1.287	ND	ND						
1.287	ND	ND						
1.287	ND	ND	%Rec					
1.287	6.441419669	12.98840913	101					

QC Results and Raw Data

Spectrophotometer Logbook

@Air Toxics Ltd.

Log Book #: 1873

Work Order: 0909122C

Method: Rad 172

Wavelength: 430 nm

Date: 9/4/09

Prep. Notes:

Analyst: A. Tayama

Standard ID	Concentration	ABS
1858-30-5.7	5.7 ug/mL	0.092
-11.4	11.4	0.166
-22.8	22.8	0.317
-57	57	0.768
-114	114	1.473

r = 0.9997
m = 0.1140
b = 0.02455

Fraction	Dilution	ABS	Sample ID	Sample Volume
33A	1.00	1.411	102117	5.0 mL
33AA		1.413	117	
34A		0.047	118	
35A		0.053	119	
36A		0.033	120	
37A		0.049	147	
39A		0.044	148	
39A		1.223	149	
39AA		1.226	149	
40A		0.048	150	
41A		0.050	151	
42A		0.034	152	
43A		0.042	153	
44A		0.048	103137	
45A		0.048	138	
46A		1.333	139	
47A		0.045	140	
48A		0.047	141	
49A		0.042	142	
BLK		0.028	NA	
BLK		0.026		
BLK		0.024		
CCV/LCS		0.759		

Notes: Blank Cartridges: Lot # 09146
CCV/LCS @ 57 ug/mL

Signed: _____ Date: 9/10/09

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

Standard ID: 1858-30
Project: Rad 172 Calibration Solution
Analyst: A. Toyama
Preparation Date: 9/4/09
Expiration Date: 9/4/09

Solvent: DI H_2O
Solvent Lot #: NA

Procedure/Comments: Dissolve 20 mg of 4-Pyridine-carboxaldehyde, 97% (14760-1103, Located F224) in 200 mL DI H_2O. From this solution prepare dilutions at 1:2, 1:5, 1:10 and 1:20. Stock solution = 114 ug/mL

1:2) 250 ml Pyridine solution with 250 ml of DI H_2O = 57 ug/mL

1:5) 100 ml of Pyridine solution with 400 ml of DI H_2O = 22.8 ug/mL

1:10) 100 ml of Pyridine solution with 900 ml of DI H_2O = 11.4 ug/mL

1:20) 250 ml of Pyridine 1:10 solution with 250 ml DI H_2O = 5.7 ug/mL
(then remove 250 ml of 1:10 solution to yield final volume of 500 ml)

Then add 4.5 mL of MBTH solution to each level to yield a final volume of 5 mL, stir and let stand for 1 hour (cover with parafilm). Then read absorbance at 430 nm.

1 mg of 4-pyridylaldehyde = 0.224 mg of ozone

9/4/09
AT

AT 9/4/09 Kate Yates 9/4/09

Page 30 Signed Date Reviewed Date 0010 Rev. 8/97

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 #:	0909122C
# of pages (Including Cover):	4

9/21/2009

Thank you for selecting Air Toxics Ltd. We have received your samples and have found no 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.

Environmental Health & Engineering, Inc.

CHAIN OF CUSTODY FORM

0909122

DATE: 3 SEP 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		OTHER:Time/Date/Vol.
33A	102117	AIR/PASSIVE	OZONE ANALYSIS	8/20/09	9/3/09
34A	102118				
35A	102119				
36A	102120				Ø
37A	102147			8/20/09	9/3/09
38A	102148				
39A	102149				
40A	102150				
41A	102151				
42A	102152				Ø
43A	102153				Ø
44A	103137			8/20/09	9/3/09
45A	103138				
46A	103139				
47A	103140				
48A	103141				
49A	103142				Ø

Special Instructions:

☒ Standard turn around time ☐ Rush by ______ date/time ☐ Other ______

☐ Fax results 781-247-4305

☐ **RETURN SAMPLES** ☒ Electronic transfer - datacoordinator@eheinc.com

☒ Additional report recipient mfragala@eheinc.com

CUSTODY SEAL INTACT? Y N NONE TEMP 4°C

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

Relinquished by: [signature] of Environmental Health & Engineering, Inc. Date: 9/3/09

Received by: [signature] of (company name) [signature] Date: 9/4/09

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: ______

Page 3 of 3

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 0909122C

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: 09/16/09 11:59 pm
Date Completed: 9/18/09
Date Received: 9/4/09
PO#: 16512
Project#: 16512

Total $: $ 935.00
Logged By: MG

Fraction	Sample #	Analysis	Collected	Amount$
33A	102117	ATL Applications	9/3/2009	$50.00
33AA	102117 Lab Duplicate	ATL Applications	9/3/2009	$0.00
34A	102118	ATL Applications	9/3/2009	$50.00
35A	102119	ATL Applications	9/3/2009	$50.00
36A	102120	ATL Applications	NA	$50.00
37A	102147	ATL Applications	9/3/2009	$50.00
38A	102148	ATL Applications	9/3/2009	$50.00
39A	102149	ATL Applications	9/3/2009	$50.00
39AA	102149 Lab Duplicate	ATL Applications	9/3/2009	$0.00
40A	102150	ATL Applications	9/3/2009	$50.00
41A	102151	ATL Applications	9/3/2009	$50.00
42A	102152	ATL Applications	NA	$50.00
43A	102153	ATL Applications	NA	$50.00
44A	103137	ATL Applications	9/3/2009	$50.00
45A	103138	ATL Applications	9/3/2009	$50.00
46A	103139	ATL Applications	9/3/2009	$50.00
47A	103140	ATL Applications	9/3/2009	$50.00
48A	103141	ATL Applications	9/3/2009	$50.00
49A	103142	ATL Applications	NA	$50.00
50A	Method Blank	ATL Applications	NA	$0.00

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 #62 Ozone-Radiello 172

SAMPLE RECEIPT SUMMARY Continued

Client

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

Sales Rep: TL

Phone

800-825-5343

Fax

781-247-4305

Date Promised: 09/16/09 11:59 pm
Date Completed: 9/18/09
Date Received: 9/4/09
PO#: 16512
Project#: 16512

Total $: $ 935.00
Logged By: MG

Fraction	Sample #	Analysis	Collected	Amount$
50B	Method Blank	ATL Applications	NA	$0.00
50C	Method Blank	ATL Applications	NA	$0.00
51A	CCV	ATL Applications	NA	$0.00

Misc. Charges eCVP (17) @ $5.00 each. $85.00

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 #62 Ozone-Radiello 172

Other Records

Air Toxics LTD.
Laboratory Services Since 1989

Method : ATL Application #62 Ozone-Radiello 172

CAS Number	Compound	Rpt. Limit (ug)
10028-15-6	Ozone	1.0

@Air Toxics Ltd.

DATA REVIEW CHECKLIST

Work Order #: 0909122C

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	☐	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	☐	☐	☐	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
		☐		☐		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	☐	☐	☐	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. 33A, 39A

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 9/16/09	9/18/09	
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.