

**COMPREHENSIVE VALIDATION PACKAGE**

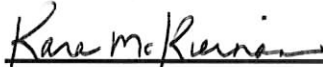
ATL Applications

INVENTORY SHEET

WORK ORDER # 0908629C

	Page Nos.	
	From	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	14
d. Misc. Shipping/Receiving Records (list individual records)		
<u>Sample Receipt Discrepancy Report</u>	-	-
5. Other Records (describe or list)		
a. <u>Manual Spectral Defense</u>	-	-
b. <u>Manual Integrations</u>	-	-
c. <u>Manual Calculations</u>	-	-
d. <u>Canister Dilution Factors</u>	-	-
e. <u>Laboratory Corrective Action Request</u>	-	-
f. <u>CAS Number Reference</u>	15	16
g. <u>Variance Table</u>	-	-
h. <u>Canister Certification</u>	-	-
i. <u>Data Review Check Sheet</u>	17	17

Completed by:



(Signature)

Kara McKiernan/ Document Control

(Print Name &amp; Title)

09/17/09

(Date)

**WORK ORDER #: 0908629C**

Work Order Summary

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

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
33A	101330	ATL Applications
34A	101331	ATL Applications
35A	101332	ATL Applications
35AA	101332 Lab Duplicate	ATL Applications
36A	101333	ATL Applications
37A	101334	ATL Applications
38A	101659	ATL Applications
38AA	101659 Lab Duplicate	ATL Applications
39A	101660	ATL Applications
40A	101661	ATL Applications
41A	101662	ATL Applications
42A	101663	ATL Applications
43A	101664	ATL Applications
44A	101409	ATL Applications
45A	101410	ATL Applications
46A	101411	ATL Applications
47A	101412	ATL Applications

Continued on next page

**WORK ORDER #: 0908629C**

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

**FAX:** 781-247-4305

**DATE RECEIVED:** 08/28/2009

**DATE COMPLETED:** 09/15/2009

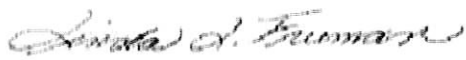
**P.O. #** 16512

**PROJECT #** 16512

**CONTACT:** Ausha Scott

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
48A	101413	ATL Applications
49A	Method Blank	ATL Applications
49B	Method Blank	ATL Applications
50A	CCV	ATL Applications

CERTIFIED BY:



Laboratory Director

DATE: 09/15/09

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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# 0908629C**

Sixteen Radiello 170 (H<sub>2</sub>S) samples were received on August 28, 2009. The procedure involves adsorption of H<sub>2</sub>S 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/m<sup>3</sup>.

Sampling rate of 69 mL/min for H<sub>2</sub>S 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

Field	Lab	Collection	Analysis	Dilution	Reporting Limit	Reporting Limit	Amount	Amount
Sample I.D.	Sample I.D.	Date	Date	Factor	(ug)	(ug/m3)	(ug)	(ug/m3)
101330	0908629C-33A	8/25/2009	9/10/2009	1.00	0.80	0.58	ND	ND
101331	0908629C-34A	8/25/2009	9/10/2009	1.00	0.80	0.58	ND	ND
101332	0908629C-35A	8/25/2009	9/10/2009	1.00	0.80	0.58	ND	ND
101332 Duplicate	0908629C-35AA	8/25/2009	9/10/2009	1.00	0.80	0.58	ND	ND
101333	0908629C-36A	8/25/2009	9/10/2009	1.00	0.80	0.58	ND	ND
101334	0908629C-37A	NA	9/10/2009	1.00	0.80	0.54	ND	ND
101659	0908629C-38A	8/27/2009	9/10/2009	1.00	0.80	0.54	1.4	0.92
101659 Duplicate	0908629C-38AA	8/27/2009	9/10/2009	1.00	0.80	0.54	1.4	0.92
101660	0908629C-39A	8/27/2009	9/10/2009	1.00	0.80	0.54	1.4	0.98
101661	0908629C-40A	8/27/2009	9/10/2009	1.00	0.80	0.54	ND	ND
101662	0908629C-41A	8/27/2009	9/10/2009	1.00	0.80	0.54	1.2	0.85
101663	0908629C-42A	8/27/2009	9/10/2009	1.00	0.80	0.54	1.2	0.79
101664	0908629C-43A	NA	9/10/2009	1.00	0.80	0.54	ND	ND
101409	0908629C-44A	8/26/2009	9/10/2009	1.00	0.80	0.58	1.1	0.78
101410	0908629C-45A	8/26/2009	9/10/2009	1.00	0.80	0.58	0.98	0.72
101411	0908629C-46A	8/26/2009	9/10/2009	1.00	0.80	0.58	ND	ND
101412	0908629C-47A	8/26/2009	9/10/2009	1.00	0.80	0.58	1.3	0.94
101413	0908629C-48A	8/26/2009	9/10/2009	1.00	0.80	0.58	0.82	0.60
Method Blank	0908629C-49A	NA	9/10/2009	1.00	0.80	0.54	ND	ND
Method Blank	0908629C-49B	NA	9/10/2009	1.00	0.80	0.54	ND	ND
CCV	0908629C-50A	NA	9/10/2009	1.00	0.80	0.54	%Rec 107	

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.

# Hydrogen Sulfide Radiello Calculation Worksheet

Workorder #: **0908629C**

Sampling Rate (mg/pph/min) 0.096 Typically 0.096 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

(Abs-X-Fmt)/DF  
Slope

Conc(ug/ml) x Vol (ml)

Conc (ug sulfide) \* MW H2S  
MW Sulfide

Q includes conversion from  
Sulfide to H2S

Conc (ug) x 1000  
Q x Duration

ppb x mw  
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
33A	101330	8/25/2009	0.078	18720	1.00	0.056251137	0.590636936	0.627692176	0.329	0.458
34A	101331	8/25/2009	0.061	18720	1.00	0.038769537	0.407080133	0.432619429	0.227	0.316
35A	101332	8/25/2009	0.079	18720	1.00	0.057279466	0.601434395	0.639167043	0.335	0.467
35AA	101332 Duplicate	8/25/2009	0.080	18720	1.00	0.058307796	0.612231854	0.65064191	0.341	0.475
36A	101333	8/25/2009	0.086	18720	1.00	0.064477772	0.677016609	0.719491115	0.377	0.525
37A	101334	NA	0.025	20160	1.00	0.001749677	0.018371609	0.019524202	0.009	0.013
38A	101659	8/27/2009	0.142	20160	1.00	0.12206422	1.281674313	1.36208369	0.662	0.923
38AA	101659 Duplicate	8/27/2009	0.141	20160	1.00	0.121035891	1.270876854	1.350608823	0.657	0.915
39A	101660	8/27/2009	0.149	20160	1.00	0.129262536	1.357256526	1.442407762	0.701	0.978
40A	101661	8/27/2009	0.086	20160	1.00	0.064477772	0.677016609	0.719491115	0.350	0.488
41A	101662	8/27/2009	0.133	20160	1.00	0.112809255	1.184497182	1.258803883	0.612	0.853
42A	101663	8/27/2009	0.125	20160	1.00	0.10458262	1.09811751	1.167010944	0.567	0.791
43A	101684	NA	0.016	20160	1.00	-0.007505288	-0.078805522	-0.083749604	-0.041	-0.057
44A	101409	8/26/2009	0.116	18720	1.00	0.095327655	1.000940379	1.063737137	0.557	0.776
45A	101410	8/26/2009	0.109	18720	1.00	0.088129349	0.925358166	0.983413065	0.515	0.718
46A	101411	8/26/2009	0.046	18720	1.00	0.023344595	0.245118248	0.260496418	0.136	0.190
47A	101412	8/26/2009	0.136	18720	1.00	0.115894244	1.216889559	1.299324486	0.677	0.944
48A	101413	8/26/2009	0.095	18720	1.00	0.073732737	0.77419374	0.822764922	0.431	0.601
					1.00	-0.023958559	-0.251564866	-0.267347483	#DNV/0!	#DNV/0!
					1.00	-0.023958559	-0.251564866	-0.267347483	#DNV/0!	#DNV/0!
					1.00	-0.023958559	-0.251564866	-0.267347483	#DNV/0!	#DNV/0!
49A	Method Blank	NA	0.021	20160	1.00	-0.002363641	-0.024818227	-0.026375267	-0.013	-0.018
49B	Method Blank	NA	0.022	20160	1.00	-0.001335311	-0.014020768	-0.01493004	-0.007	-0.010
50A	CCV	NA	0.621	20160	1.00	0.614634017	6.453657179	6.858545182	3.335	4.648

QC Duration  
20160

CCV Spike Amt  
0.572

Low PointCDF

RL(ug/ml)Vol (ml)

RL (ug sulfide) \* MW H2S  
MW Sulfide

RL (ug) x 1000  
Q x Duration

ppbv mw  
24.45

Calibration Date  
9/10/2009 Linear Regression

Q includes conversion from  
Sulfide to H2S

T Corrected, no Blank correction

RL(ug/ml) of sulfide	RL (ug) of sulfide	RL (ug) of H2S	RL (ppbv) of H2S	RL (ug/m3)	Result (ug) H2S	Result (ug/m3) H2S	%Rec	ug/ml of sulfide	absorbance	Slope
0.072	0.752	0.798966249	0.418	0.583	ND	ND		0	0	0.972451017
0.072	0.752	0.798966249	0.418	0.583	ND	ND		0.0716	0.074	0.023298525
0.072	0.752	0.798966249	0.418	0.583	ND	ND		0.143	0.151	0.997046605
0.072	0.752	0.798966249	0.418	0.583	ND	ND		0.286	0.316	
0.072	0.752	0.798966249	0.388	0.541	ND	ND		0.572	0.613	
0.072	0.752	0.798966249	0.388	0.541	1.36208369	0.973128434		1.145	1.119	
0.072	0.752	0.798966249	0.388	0.541	1.350608823	0.915351543				
0.072	0.752	0.798966249	0.388	0.541	1.442407762	0.977566671				
0.072	0.752	0.798966249	0.388	0.541	ND	ND				
0.072	0.752	0.798966249	0.388	0.541	1.258809883	0.853136415				
0.072	0.752	0.798966249	0.388	0.541	1.167010944	0.790921287				
0.072	0.752	0.798966249	0.418	0.583	ND	ND				
0.072	0.752	0.798966249	0.418	0.583	1.063737137	0.776385366				
0.072	0.752	0.798966249	0.418	0.583	0.983413065	0.717759572				
0.072	0.752	0.798966249	0.418	0.583	ND	ND				
0.072	0.752	0.798966249	0.418	0.583	1.293234486	0.943887633				
0.072	0.752	0.798966249	0.418	0.583	0.822764922	0.600507985				
0.072	0.752	0.798966249	#DNV/0!	#DNV/0!	ND	ND				
0.072	0.752	0.798966249	#DNV/0!	#DNV/0!	ND	ND				
0.072	0.752	0.798966249	#DNV/0!	#DNV/0!	ND	ND				
0.072	0.752	0.798966249	#DNV/0!	#DNV/0!	ND	ND				
0.072	0.752	0.798966249	0.388	0.541	ND	ND				
0.072	0.752	0.798966249	0.388	0.541	6.858545182	4.648259223	%Rec			
0.072	0.752	0.798966249	0.388	0.541	ND	ND	107			

Slope  
Y-int  
R2  
0.972451017  
0.023298525  
0.997046605



## **QC Results and Raw Data**

# Spectrophotometer Logbook

@Air Toxics Ltd.

Log Book #: 1873

Work Order: 0908629C

Method: Rad 170

Date: 9/10/09

Wavelength: 665 nm

Analyst: M. Skidmore

Prep. Notes:

Standard ID	Concentration	ABS
1898-36 E	0.0716 µg/mL	0.074
D	0.143 µg/mL	0.151
C	0.286 µg/mL	0.316
B	0.572 µg/mL	0.613
A	1.145 µg/mL	1.119

$r = \frac{0.9968}{0.99704}$   
 $m = \frac{0.9744}{0.97245}$   
 $b = \frac{0.02157}{0.02329}$   
 4/15/09

Fraction	Dilution	ABS	Sample ID	Sample Volume
33A	1.00	0.078	101330	10.5 mL
34A		0.061	101331	
35A		0.079	101332	
36A		0.086	101333	
37A		0.025	101334	
38A		0.142	101659	
39A		0.149	101660	
40A		0.086	101661	
41A		0.133	101662	
42A		0.125	101663	
43A		0.016	101664	
44A		0.116	101409	
45A <sup>MJS</sup> <sub>9/10/09</sub>		0.109	101410	
46A		0.046	101411	
47A		0.136	101412	
48A		0.095	101413	
BIK		0.021	N/A	
BIK		0.022		
CCV/LCS		0.621		
35AA		0.080	101332	
38AA	✓	0.141	101659	✓

MJS  
9/11/09

Notes: CCV/LCS @ 0.572 µg/mL  
Spiked cartridge: 0.145 (1.0 mL of 1000 µg/mL)

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<sub>2</sub>O  
Solvent Lot #: N/A

Procedure/Comments:

Solution A: 2 mL 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 2.5 mL DI water = 0.572 µg/mL.

Solution C: 1.25 mL of Solution A with 3.75 mL 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 5.625 mL DI water = 0.076 µg/mL

MSS  
9/10/09

Page 36  9/10/09  
Signed Date

 9/10/09  
Reviewed Date

## **Shipping/ Receiving Documents**

**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 #: 0908629C  
# of pages (Including Cover): 4

9/17/2009

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.

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.
33A 101330	AIR PASSIVE	H <sub>2</sub> S ANALYSIS	8/12/09	8/25/09
34A 101331				
35A 101332				
36A 101333				
37A 101334				φ
38A 101659			8/13/09	8/27/09
39A 101660				
40A 101661				
41A 101662				
42A 101663				
43A 101664				φ
44A 101409			8/13/09	8/26/09
45A 101410				
46A 101411				
47A 101412				
48A 101413				

**Special Instructions:**

- Standard turn around time
- Fax results 781-247-4305
- RETURN SAMPLES
- Additional report recipient mfragala@eh&e.com
- Rush by \_\_\_\_\_ date/time
- Electronic transfer - datacoordinator@eh&e.com

Other 2704 2333 1902  
**CUSTOMER SEAL INTACT?**  
 WETTING TEMP 62

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

Relinquished by: [Signature] of Environmental Health & Engineering, Inc. Date: 8/27/09  
 Received by: [Signature] 0850 of (company name) ATI 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: \_\_\_\_\_

**SAMPLE RECEIPT SUMMARY**

**WORKORDER 0908629C**

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

**Phone**  
 800-825-5343  
  
**Fax**  
 781-247-4305

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

**Sales Rep:** TL

**Total \$:** \$ 880.00  
**Logged By:** MG

<u>Fraction</u>	<u>Sample #</u>	<u>Analysis</u>	<u>Collected</u>	<u>Amount\$</u>
33A	101330	ATL Applications	8/25/2009	\$50.00
34A	101331	ATL Applications	8/25/2009	\$50.00
35A	101332	ATL Applications	8/25/2009	\$50.00
36A	101333	ATL Applications	8/25/2009	\$50.00
37A	101334	ATL Applications	NA	\$50.00
38A	101659	ATL Applications	8/27/2009	\$50.00
39A	101660	ATL Applications	8/27/2009	\$50.00
40A	101661	ATL Applications	8/27/2009	\$50.00
41A	101662	ATL Applications	8/27/2009	\$50.00
42A	101663	ATL Applications	8/27/2009	\$50.00
43A	101664	ATL Applications	NA	\$50.00
44A	101409	ATL Applications	8/26/2009	\$50.00
45A	101410	ATL Applications	8/26/2009	\$50.00
46A	101411	ATL Applications	8/26/2009	\$50.00
47A	101412	ATL Applications	8/26/2009	\$50.00
48A	101413	ATL Applications	8/26/2009	\$50.00
Misc. Charges eCVP (16) @ \$5.00 each.				\$80.00

**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

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

## **Other Records**





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Method : ATL Application #59 H2S-Radiello 170

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

DATA REVIEW CHECKLIST

Work Order #:

09108629C

A1 A2 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)
Sample Discrepancy Report (SDR) is completed
Corrective Action issued - #
Unusual circumstances have been documented in the notes section below

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)
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
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

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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)
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.)
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
Date MDL(s) performed per instrument(s)
Samples pressurized w/ appropriate gas (N2 or He)
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.)
MDL date(s) present for all instruments utilized
Client LUMEN report reviewed for accuracy and completeness

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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 on 38A + 35A

M/Q:

A1/A2 (Analytical Review/Date) R/T (Reporting Review/Date) M (Management Review/Date) Q (QA Review/Date)
A1: R: 2/9/15/09 2/9/15/09
A2: T: