

Daily Analysis Runlog For Sequence/QC Batch ID # LB59189

Review By

Review On

SubDirectory

LB59189

Test :

Mercury

STD. NAME	STD REF.#
ICAL Standard	MP10386,MP10387,MP10388,MP10389,MP10390,MP10391,MP10392
ICV Standard	MP10393
CCV Standard	MP10396
ICSA Standard	
CRI Standard	MP10398
LCS Standard	MP10386
Chk Standard	MP10399,ICB-MP10394,CCB-MP10397,SNCL2-MP10415

Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	Std01Rep1	Std01Rep1	CAL	02/03/12 12:53		OK
2	Std02Rep1	Std02Rep1	CAL	02/03/12 12:55		OK
3	Std03Rep1	Std03Rep1	CAL	02/03/12 12:57		OK
4	Std04Rep1	Std04Rep1	CAL	02/03/12 12:59		OK
5	Std05Rep1	Std05Rep1	CAL	02/03/12 13:01		OK
6	Std06Rep1	Std06Rep1	CAL	02/03/12 13:03		OK
7	ICV1	ICV01	ICV	02/03/12 13:06		OK
8	ICB1	ICB01	ICB	02/03/12 13:08		OK
9	CCV1	CCV01	CCV	02/03/12 13:10		OK
10	CCB1	CCB01	CCB	02/03/12 13:12		OK
11	CRDL1	CRI01	CRDL	02/03/12 13:14		OK
12	HIGHSTD	HIGHSTD	SAM	02/03/12 13:16		OK
13	CHKSTD	CHKSTD	SAM	02/03/12 13:18		OK
14	PB60975BL	PB60975BL	MB	02/03/12 13:20		OK
15	PB60975BS	PB60975BS	LCS	02/03/12 13:22		OK
16	D1352-05	Z3-D18-SO-0-2	SAM	02/03/12 13:24		OK
17	D1352-06	Z3-D18-SO-5-7	SAM	02/03/12 13:26		OK
18	D1352-07	Z3-D18-SO-14-15	SAM	02/03/12 13:28		OK
19	D1352-08	Z3-DUP3	SAM	02/03/12 13:30		OK
20	D1357-01	SP1-SP5COMP	SAM	02/03/12 13:32		OK
21	CCV2	CCV02	CCV	02/03/12 13:34		OK

Daily Analysis Runlog For Sequence/QC Batch ID # LB59189

Review By		Review On				
SubDirectory		LB59189		Test : Mercury		
STD. NAME		STD REF.#				
ICAL Standard		MP10386,MP10387,MP10388,MP10389,MP10390,MP10391,MP10392				
ICV Standard		MP10393				
CCV Standard		MP10396				
ICSA Standard						
CRI Standard		MP10398				
LCS Standard		MP10386				
Chk Standard		MP10399,ICB-MP10394,CCB-MP10397,SNCL2-MP10415				
22	CCB2	CCB02	CCB	02/03/12 13:36		OK
23	D1357-01D	SP1-SP5COMPD	DUP	02/03/12 13:38		OK
24	D1357-01L	SP1-SP5COMPL	SD	02/03/12 13:40		OK
25	D1357-01S	SP1-SP5COMPS	MS	02/03/12 13:42		OK
26	D1357-01SD	SP1-SP5COMPSD	MSD	02/03/12 13:44		OK
27	D1360-01	ST.MARYRIPRAP-1	SAM	02/03/12 13:46		OK
28	D1381-03	1201319469	SAM	02/03/12 13:48		OK
29	CCV3	CCV03	CCV	02/03/12 13:50		OK
30	CCB3	CCB03	CCB	02/03/12 13:52		OK

Mercury
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INORGANIC ANALYSIS DATA PACKAGE

Client: _____

SDG No.: LB59189 Method Type: 7471 SOW No.: 7471

Contract: _____ Lab Code: CHEM Case No.: LB59189 SAS No.: LB59189

Lab Sample ID	Client Sample ID	QC Description
CHKSTD	CHKSTD	
D1352-05	Z3-D18-SO-0-2	
D1352-06	Z3-D18-SO-5-7	
D1352-07	Z3-D18-SO-14-15	
D1352-08	Z3-DUP3	
D1357-01	SP1-SP5COMP	
D1357-01D	SP1-SP5COMPD	Sample Duplicate
D1357-01S	SP1-SP5COMPS	Matrix Spike
D1357-01SD	SP1-SP5COMPSD	Matrix Spike Duplicate
D1360-01	ST.MARYRIPRAP-1	
D1381-03	1201319469	
HIGHSTD	HIGHSTD	

Were ICP interelement corrections applied?	Yes/No	No	_____
Were ICP background corrections applied?	Yes/No	No	_____
If yes - were raw data generated before applications of background corrections?	Yes/No	No	_____

Comments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____	Name: <u>KETAN</u>
Date: _____	Title: <u>Analyst</u>



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:		Date Collected:	02/01/12
Project:	2-2-12	Date Received:	02/02/12
Client Sample ID:	1201319469	SDG No.:	LB59189
Lab Sample ID:	D1381-03	Matrix:	SOLID
		% Solids:	100.00

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7439-97-6	Mercury	0.020	U D	mg/Kg	0.020	10	02/02/12	02/03/12	EPA SW-846 7471

Comments:

U = Not Detected
DL = Method Detection Limit or Instrument Detection Limit

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Spiked sample recovery not within control limits



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Report of Analysis

Client:

Date Collected:

Project:

Date Received:

Client Sample ID: CHKSTD

SDG No.: LB59189

Lab Sample ID: CHKSTD

Matrix: WATER

% Solids: 0.00

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7439-97-6	Mercury	7.300		ug/L	0.092	1		02/03/12	EPA SW-846 7471

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Report of Analysis

Client:		Date Collected:	02/01/12
Project:	FE-63- NYC-DDC, Br	Date Received:	02/01/12
Client Sample ID:	SP1-SP5COMP	SDG No.:	LB59189
Lab Sample ID:	D1357-01	Matrix:	SOIL
		% Solids:	89.40

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7439-97-6	Mercury	0.032		mg/Kg	0.002	1	02/02/12	02/03/12	EPA SW-846 7471

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Report of Analysis

Client:		Date Collected:	01/26/12
Project:	St Marys Rip Raf	Date Received:	02/01/12
Client Sample ID:	ST.MARYRIPRAP-1	SDG No.:	LB59189
Lab Sample ID:	D1360-01	Matrix:	SOIL
		% Solids:	93.90

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7439-97-6	Mercury	0.005	J	mg/Kg	0.002	1	02/02/12	02/03/12	EPA SW-846 7471

Comments:

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B = Analyte Found In Associated Method Blank
N = Spiked sample recovery not within control limits



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Report of Analysis

Client:		Date Collected:	01/31/12
Project:	Frankford	Date Received:	01/31/12
Client Sample ID:	Z3-D18-SO-0-2	SDG No.:	LB59189
Lab Sample ID:	D1352-05	Matrix:	SOIL
		% Solids:	85.80

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7439-97-6	Mercury	0.391		mg/Kg	0.002	1	02/02/12	02/03/12	EPA SW-846 7471

Comments:

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J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Spiked sample recovery not within control limits



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Report of Analysis

Client:		Date Collected:	01/31/12
Project:	Frankford	Date Received:	01/31/12
Client Sample ID:	Z3-D18-SO-14-15	SDG No.:	LB59189
Lab Sample ID:	D1352-07	Matrix:	SOIL
		% Solids:	90.20

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7439-97-6	Mercury	0.002	U	mg/Kg	0.002	1	02/02/12	02/03/12	EPA SW-846 7471

Comments:

U = Not Detected
DL = Method Detection Limit or Instrument Detection Limit

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Spiked sample recovery not within control limits



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Report of Analysis

Client:		Date Collected:	01/31/12
Project:	Frankford	Date Received:	01/31/12
Client Sample ID:	Z3-D18-SO-5-7	SDG No.:	LB59189
Lab Sample ID:	D1352-06	Matrix:	SOIL
		% Solids:	83.70

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7439-97-6	Mercury	0.057		mg/Kg	0.002	1	02/02/12	02/03/12	EPA SW-846 7471

Comments:

U = Not Detected
DL = Method Detection Limit or Instrument Detection Limit

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Spiked sample recovery not within control limits



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Report of Analysis

Client:		Date Collected:	01/31/12
Project:	Frankford	Date Received:	01/31/12
Client Sample ID:	Z3-DUP3	SDG No.:	LB59189
Lab Sample ID:	D1352-08	Matrix:	SOIL
		% Solids:	86.90

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7439-97-6	Mercury	0.035		mg/Kg	0.002	1	02/02/12	02/03/12	EPA SW-846 7471

Comments:

U = Not Detected
DL = Method Detection Limit or Instrument Detection Limit

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Spiked sample recovery not within control limits

Mercury
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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: _____**SDG No.:** LB59189**Contract:** _____ **Lab Code:** CHEM**Case No.:** LB59189 **SAS No.:** LB59189**Initial Calibration Source:** EPA**Continuing Calibration Source:** PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01									
Mercury		4.23	4.0	105.8	90.0 - 110.0	CV	02/03/12	13:06	LB59189
CCV01									
Mercury		5.24	5.0	104.8	90.0 - 110.0	CV	02/03/12	13:10	LB59189
CCV02									
Mercury		5.27	5.0	105.4	90.0 - 110.0	CV	02/03/12	13:34	LB59189
CCV03									
Mercury		5.28	5.0	105.6	90.0 - 110.0	CV	02/03/12	13:50	LB59189

Mercury
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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: _____

SDG No.: LB59189

Contract: _____

Lab Code: CHEM

Case No.: LB59189

SAS No.: LB59189

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run
ICB01	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	02/03/12	13:08	LB59189
CCB01	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	02/03/12	13:12	LB59189
CCB02	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	02/03/12	13:36	LB59189
CCB03	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	02/03/12	13:52	LB59189

LB59189

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	MDL mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB60975BL		SOIL		Batch Number:	PB60975			Prep Date:	02/02/12	
	Mercury	-0.006	<0.010	U	0.002	0.010	CV	02/03/12	13:20	LB59189

Mercury
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MATRIX SPIKE SUMMARY

Client: _____ Level: LOW SDG No.: LB59189

Contract: _____ Lab Code: CHEM Case No.: LB59189 SAS No.: LB59189

Matrix: SOIL Sample ID: D1357-01 Client ID: SP1-SP5COMPS

Percent Solids for Sample: 89.40 Spiked ID: D1357-01S Percent Solids for Spike Sample: 89.40

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	34 - 153	0.2684		0.0317		0.22	107.6		CV

Mercury
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MATRIX SPIKE DUPLICATE SUMMARY

Client: _____ Level: LOW SDG No.: LB59189

Contract: _____ Lab Code: CHEM Case No.: LB59189 SAS No.: LB59189

Matrix: SOIL Sample ID: D1357-01 Client ID: SP1-SP5COMPSD

Percent Solids for Sample: 89.40 Spiked ID: D1357-01SD Percent Solids for Spike Sample: 89.40

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	34 - 153	0.2614		0.0317		0.22	104.4		CV

Client:

SDG No.:

Contract:

Lab Code:

Case No.:

SAS No.:

Matrix:

Level:

Client ID:

Sample ID:

Spiked ID:

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M
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Mercury
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DUPLICATE SAMPLE SUMMARY

Client:	_____	Level:	LOW	SDG No.:	LB59189
Contract:	_____	Lab Code:	CHEM	Case No.:	LB59189
Matrix:	SOIL	Sample ID:	D1357-01	SAS No.:	LB59189
Percent Solids for Sample:		89.40		Duplicate ID:	D1357-01D
Percent Solids for Duplicate:		89.40			

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	0.0112	0.0317		0.0346		8.7		CV

Mercury
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DUPLICATE SAMPLE SUMMARY

Client:	_____	Level:	LOW	SDG No.:	LB59189
Contract:	_____	Lab Code:	CHEM	Case No.:	LB59189
Matrix:	SOIL	Sample ID:	D1357-01S	SAS No.:	LB59189
Percent Solids for Sample:		89.40		Duplicate ID:	D1357-01SD
Percent Solids for Duplicate:		89.40			

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg		0.2684		0.2614		2.6		CV

Mercury

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LABORATORY CONTROL SAMPLE SUMMARY

Client: _____					SDG No.: LB59189 _____			
Contract: _____			Lab Code: CHEM _____		Case No.: LB59189 _____		SAS No.: LB59189 _____	
Aqueous LCS Source: _____					Solid LCS Source: PLASMA-PURE			
Sample ID	Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB60975BS								
	Mercury	mg/Kg	0.200	0.204		102.0	73.0 - 121.0	CV

Mercury

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ICP SERIAL DILUTIONS

SAMPLE NO.

SP1-SP5COMPL

Lab Name: Chemtech Consulting Group

Contract: _____

Lab Code: CHEM **Case No.:** LB59189

SAS No.: LB59189 **SDG No.:** LB59189

Matrix (soil/water): WATER

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ- ence	Q	M
		C		C			
Mercury		0.57		0.46 U	100.0		CV

Mercury
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METHOD DETECTION LIMITS

Client:	_____	SDG No.:	LB59189
Contract:	_____	Lab Code:	CHEM
		Case No.:	LB59189
		SAS No.:	LB59189

Analyte	Wave- length (nm)	MDL ug/L	CRQL ug/L	Date: 01/15/09
Mercury	253.70	0.0915	0.2000	

Analyte	Wave- length (nm)	MDL mg/Kg	CRQL mg/Kg	Date: 01/15/09
Mercury	253.70	0.0020	0.010	

Mercury
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SAMPLE PREPARATION SUMMARY

Client: _____

SDG No.: LB59189

Contract: _____

Lab Code: CHEM

Method: CV

Case No.: LB59189

SAS No.: LB59189

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	PB60975						
D1352-05	Z3-D18-SO-0-2	SAM	SOIL	2/2/12	0.66	30.0	85.80
D1352-06	Z3-D18-SO-5-7	SAM	SOIL	2/2/12	0.66	30.0	83.70
D1352-07	Z3-D18-SO-14-15	SAM	SOIL	2/2/12	0.65	30.0	90.20
D1352-08	Z3-DUP3	SAM	SOIL	2/2/12	0.67	30.0	86.90
D1357-01	SP1-SP5COMP	SAM	SOIL	2/2/12	0.60	30.0	89.40
D1357-01D	SP1-SP5COMPD	DUP	SOIL	2/2/12	0.60	30.0	89.40
D1357-01S	SP1-SP5COMPS	MS	SOIL	2/2/12	0.60	30.0	89.40
D1357-01SD	SP1-SP5COMPSD	MSD	SOIL	2/2/12	0.60	30.0	89.40
D1360-01	ST.MARYRIPRAP-1	SAM	SOIL	2/2/12	0.65	30.0	93.90
D1381-03	1201319469	SAM	SOLID	2/2/12	0.60	30.0	100.00
PB60975BL	PB60975BL	MB	SOIL	2/2/12	0.60	30.0	100.00
PB60975BS	PB60975BS	LCS	SOIL	2/2/12	0.60	30.0	100.00