



**BROOKSRAND**  
TRACE METALS ANALYSIS & PRODUCTS

June 18, 2007

Entrix, Inc  
Brian Frantz  
590 Ygnacio Valley Road  
Walnut Creek, CA 94596

RE: Brooks Rand Project: ENX002; Report #: 07BR0681 & 07BR0701

Dear Mr. Frantz,


Eighteen containers, including two field blanks, were received by Brooks Rand Labs (BRL) on May 19, 2007, and twelve containers were received on May 23, 2007. The requested analyses listed on the chain of custody (COC) forms were for total mercury (THg), and trace metals including arsenic (As), cadmium (Cd), chromium (Cr), copper (Cu), iron (Fe), nickel (Ni), magnesium (Mg) and lead (Pb). The samples were received, stored, prepared, and analyzed according to BRL standard operating procedures (SOPs) and EPA Methods 1631 and 1638. All samples were stored in a cabinet in a locked storage room until further processing. The water samples were field filtered by the client through pre-cleaned 0.45- $\mu$ m filtration units. Please refer to the Quality Assurance (QA) Summaries for QA results.

The Cu and Hg concentrations in the "Field Blank 1" (07BR0681-09) sample were above the method detection limit (MDL) and below the practical quantitation limit (PQL). Although these results were above the MDL, they are unquantifiable and are not representative of contamination in the associated samples.

Results less than or equal to the MDL have been qualified "U" for non-detect and have been reported at the MDL. Results above the MDL and less than or equal to the practical quantitation limit (PQL) have been qualified "B" and should be considered estimates. All QA criteria were met. No additional qualification of the data was required.

If you have any questions regarding this report, please feel free to contact us at any time.

Sincerely,

  
Amanda Fawley  
Project Manager  
amanda@brooksrands.com

  
Amy Duddle  
Project Coordinator  
amy@brooksrands.com

**Reported by****Brooks Rand LLC****Contact:** Amanda Fawley

3958 6th Avenue NW

Seattle, WA 98107

Tel: 206-632-6206 Fax: 206-632-6017

**Summary of Results for****Entrix, Inc.****Contact:** Brian Frantz

590 Ygnacio Valley Road

Walnut Creek CA 94596

Tel: 925-988-1217

**Lab Project #** ENX002**Lab Tracking #** 07BR0681**Lab Services Agreement** ENX002

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**Sample/Sampling/Receiving Info**

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**Entrix, Inc.****BRL**

Sample Identification	Sampling Date	Matrix	Submatrix	Sample Number	Receiving Date
DC-3 RM 0.0	5/17/2007	Water		07BR0681 - 01	5/19/2007
MFAR-3 RM 39.5	5/17/2007	Water		07BR0681 - 02	5/19/2007
MFAR-4 RM 39.0	5/17/2007	Water		07BR0681 - 03	5/19/2007
MFAR-6 RM 36.5	5/16/2007	Water		07BR0681 - 04	5/19/2007
MFAR-5 RM 35.5	5/16/2007	Water		07BR0681 - 05	5/19/2007
IR-1 RM 36.0	5/16/2007	Water		07BR0681 - 06	5/19/2007
NFAR-1 RM 20.5	5/16/2007	Water		07BR0681 - 07	5/19/2007
MFAR-11 RM 0.0	5/16/2007	Water		07BR0681 - 08	5/19/2007
Field Blank 1	5/16/2007	Water	Blank	07BR0681 - 09	5/19/2007
DC-3 RM 0.0	5/17/2007	Water		07BR0681 - 10	5/19/2007
MFAR-3 RM 39.5	5/17/2007	Water		07BR0681 - 11	5/19/2007
MFAR-4 RM 39.0	5/17/2007	Water		07BR0681 - 12	5/19/2007
MFAR-6 RM 36.5	5/16/2007	Water		07BR0681 - 13	5/19/2007
MFAR-5 RM 35.5	5/16/2007	Water		07BR0681 - 14	5/19/2007
IR-1 RM 36.0	5/16/2007	Water		07BR0681 - 15	5/19/2007
NFAR-1 RM 20.5	5/16/2007	Water		07BR0681 - 16	5/19/2007
MFAR-11 RM 0.0	5/16/2007	Water		07BR0681 - 17	5/19/2007
Field Blank 1	5/16/2007	Water	Blank	07BR0681 - 18	5/19/2007

Thursday, June 14, 2007

  
Project Manager

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Sample Identification	BRL Number	Total or Dissolved	Preparation date	Analysis date	Batch #	Result	Units	Qualifier (Q)
DC-3 RM 0.0	07BR0681 - 10	D	5/29/2007	6/4/2007	07-0534	0.060	µg/L	U
MFAR-3 RM 39.5	07BR0681 - 11	D	5/29/2007	6/4/2007	07-0534	0.120	µg/L	B
MFAR-4 RM 39.0	07BR0681 - 12	D	5/29/2007	6/4/2007	07-0534	0.090	µg/L	B
MFAR-6 RM 36.5	07BR0681 - 13	D	5/29/2007	6/4/2007	07-0534	0.170	µg/L	B
MFAR-5 RM 35.5	07BR0681 - 14	D	5/29/2007	6/4/2007	07-0534	0.100	µg/L	B
IR-1 RM 36.0	07BR0681 - 15	D	5/29/2007	6/4/2007	07-0534	0.090	µg/L	B
NFAR-1 RM 20.5	07BR0681 - 16	D	5/29/2007	6/4/2007	07-0534	0.450	µg/L	
MFAR-11 RM 0.0	07BR0681 - 17	D	5/29/2007	6/4/2007	07-0534	0.240	µg/L	
Field Blank 1	07BR0681 - 18	D	5/29/2007	6/4/2007	07-0534	0.060	µg/L	U

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**Cd**

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Sample Identification	BRL Number	Total or Dissolved	Preparation date	Analysis date	Batch #	Result	Units	Qualifier (Q)
DC-3 RM 0.0	07BR0681 - 10	D	5/29/2007	6/4/2007	07-0534	0.004	µg/L	U
MFAR-3 RM 39.5	07BR0681 - 11	D	5/29/2007	6/4/2007	07-0534	0.004	µg/L	U
MFAR-4 RM 39.0	07BR0681 - 12	D	5/29/2007	6/4/2007	07-0534	0.004	µg/L	U
MFAR-6 RM 36.5	07BR0681 - 13	D	5/29/2007	6/4/2007	07-0534	0.004	µg/L	U
MFAR-5 RM 35.5	07BR0681 - 14	D	5/29/2007	6/4/2007	07-0534	0.004	µg/L	U
IR-1 RM 36.0	07BR0681 - 15	D	5/29/2007	6/4/2007	07-0534	0.004	µg/L	U
NFAR-1 RM 20.5	07BR0681 - 16	D	5/29/2007	6/4/2007	07-0534	0.004	µg/L	U
MFAR-11 RM 0.0	07BR0681 - 17	D	5/29/2007	6/4/2007	07-0534	0.004	µg/L	U
Field Blank 1	07BR0681 - 18	D	5/29/2007	6/4/2007	07-0534	0.004	µg/L	U

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**Cr**

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Sample Identification	BRL Number	Total or Dissolved	Preparation date	Analysis date	Batch #	Result	Units	Qualifier (Q)
DC-3 RM 0.0	07BR0681 - 10	D	5/29/2007	6/4/2007	07-0534	0.030	µg/L	U
MFAR-3 RM 39.5	07BR0681 - 11	D	5/29/2007	6/4/2007	07-0534	0.030	µg/L	U
MFAR-4 RM 39.0	07BR0681 - 12	D	5/29/2007	6/4/2007	07-0534	0.030	µg/L	U
MFAR-6 RM 36.5	07BR0681 - 13	D	5/29/2007	6/4/2007	07-0534	0.030	µg/L	U
MFAR-5 RM 35.5	07BR0681 - 14	D	5/29/2007	6/4/2007	07-0534	0.030	µg/L	U
IR-1 RM 36.0	07BR0681 - 15	D	5/29/2007	6/4/2007	07-0534	0.030	µg/L	U
NFAR-1 RM 20.5	07BR0681 - 16	D	5/29/2007	6/4/2007	07-0534	0.030	µg/L	U
MFAR-11 RM 0.0	07BR0681 - 17	D	5/29/2007	6/4/2007	07-0534	0.030	µg/L	U
Field Blank 1	07BR0681 - 18	D	5/29/2007	6/4/2007	07-0534	0.030	µg/L	U

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**Cu**

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Sample Identification	BRL Number	Total or Dissolved	Preparation date	Analysis date	Batch #	Result	Units	Qualifier (Q)
DC-3 RM 0.0	07BR0681 - 10	D	5/29/2007	6/4/2007	07-0534	0.130	µg/L	B
MFAR-3 RM 39.5	07BR0681 - 11	D	5/29/2007	6/4/2007	07-0534	0.140	µg/L	B
MFAR-4 RM 39.0	07BR0681 - 12	D	5/29/2007	6/4/2007	07-0534	0.160	µg/L	B
MFAR-6 RM 36.5	07BR0681 - 13	D	5/29/2007	6/4/2007	07-0534	0.240	µg/L	
MFAR-5 RM 35.5	07BR0681 - 14	D	5/29/2007	6/4/2007	07-0534	0.180	µg/L	B
IR-1 RM 36.0	07BR0681 - 15	D	5/29/2007	6/4/2007	07-0534	0.590	µg/L	
NFAR-1 RM 20.5	07BR0681 - 16	D	5/29/2007	6/4/2007	07-0534	0.430	µg/L	
MFAR-11 RM 0.0	07BR0681 - 17	D	5/29/2007	6/4/2007	07-0534	0.300	µg/L	
Field Blank 1	07BR0681 - 18	D	5/29/2007	6/4/2007	07-0534	0.060	µg/L	B

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**Fe**

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Sample Identification	BRL Number	Total or Dissolved	Preparation date	Analysis date	Batch #	Result	Units	Qualifier (Q)
DC-3 RM 0.0	07BR0681 - 10	D	5/29/2007	6/12/2007	07-0534b	2.800	µg/L	B
MFAR-3 RM 39.5	07BR0681 - 11	D	5/29/2007	6/12/2007	07-0534b	13.100	µg/L	
MFAR-4 RM 39.0	07BR0681 - 12	D	5/29/2007	6/12/2007	07-0534b	8.400	µg/L	
MFAR-6 RM 36.5	07BR0681 - 13	D	5/29/2007	6/12/2007	07-0534b	7.400	µg/L	
MFAR-5 RM 35.5	07BR0681 - 14	D	5/29/2007	6/12/2007	07-0534b	6.600	µg/L	
IR-1 RM 36.0	07BR0681 - 15	D	5/29/2007	6/12/2007	07-0534b	5.300	µg/L	
NFAR-1 RM 20.5	07BR0681 - 16	D	5/29/2007	6/12/2007	07-0534b	14.600	µg/L	
MFAR-11 RM 0.0	07BR0681 - 17	D	5/29/2007	6/12/2007	07-0534b	7.400	µg/L	
Field Blank 1	07BR0681 - 18	D	5/29/2007	6/12/2007	07-0534b	1.400	µg/L	U

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**Hg**

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Sample Identification	BRL Number	Total or Dissolved	Preparation date	Analysis date	Batch #	Result	Units	Qualifier (Q)
DC-3 RM 0.0	07BR0681 - 01	T	5/25/2007	5/29/2007	07-0552	0.400	ng/L	B
MFAR-3 RM 39.5	07BR0681 - 02	T	5/25/2007	5/29/2007	07-0552	0.350	ng/L	B
MFAR-4 RM 39.0	07BR0681 - 03	T	5/25/2007	5/29/2007	07-0552	0.400	ng/L	B
MFAR-6 RM 36.5	07BR0681 - 04	T	5/25/2007	5/29/2007	07-0552	0.560	ng/L	
MFAR-5 RM 35.5	07BR0681 - 05	T	5/25/2007	5/29/2007	07-0552	0.530	ng/L	
IR-1 RM 36.0	07BR0681 - 06	T	5/25/2007	5/29/2007	07-0552	0.380	ng/L	B
NFAR-1 RM 20.5	07BR0681 - 07	T	5/25/2007	5/29/2007	07-0552	1.480	ng/L	
MFAR-11 RM 0.0	07BR0681 - 08	T	5/25/2007	5/29/2007	07-0552	0.610	ng/L	
Field Blank 1	07BR0681 - 09	T	5/31/2007	6/1/2007	07-0553	0.300	ng/L	B

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Summary of Results for

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Contact: Brian Frantz

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Tel: 925-988-1217

Lab Project # ENX002

Lab Tracking # 07BR0681

Lab Services Agreement ENX002

## Mg

Sample Identification	BRL Number	Total or Dissolved	Preparation date	Analysis date	Batch #	Result	Units	Qualifier (Q)
DC-3 RM 0.0	07BR0681 - 10	D	5/29/2007	6/4/2007	07-0534	881.000	µg/L	
MFAR-3 RM 39.5	07BR0681 - 11	D	5/29/2007	6/4/2007	07-0534	880.000	µg/L	
MFAR-4 RM 39.0	07BR0681 - 12	D	5/29/2007	6/4/2007	07-0534	914.000	µg/L	
MFAR-6 RM 36.5	07BR0681 - 13	D	5/29/2007	6/4/2007	07-0534	742.000	µg/L	
MFAR-5 RM 35.5	07BR0681 - 14	D	5/29/2007	6/4/2007	07-0534	955.000	µg/L	
IR-1 RM 36.0	07BR0681 - 15	D	5/29/2007	6/4/2007	07-0534	928.000	µg/L	
NFAR-1 RM 20.5	07BR0681 - 16	D	5/29/2007	6/4/2007	07-0534	1,570.000	µg/L	
MFAR-11 RM 0.0	07BR0681 - 17	D	5/29/2007	6/4/2007	07-0534	1,370.000	µg/L	
Field Blank 1	07BR0681 - 18	D	5/29/2007	6/4/2007	07-0534	0.600	µg/L	U

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**Lab Project #** ENX002**Lab Tracking #** 07BR0681**Lab Services Agreement** ENX002

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**Ni**

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Sample Identification	BRL Number	Total or Dissolved	Preparation date	Analysis date	Batch #	Result	Units	Qualifier (Q)
DC-3 RM 0.0	07BR0681 - 10	D	5/29/2007	6/4/2007	07-0534	0.160	µg/L	B
MFAR-3 RM 39.5	07BR0681 - 11	D	5/29/2007	6/4/2007	07-0534	0.070	µg/L	B
MFAR-4 RM 39.0	07BR0681 - 12	D	5/29/2007	6/4/2007	07-0534	0.110	µg/L	B
MFAR-6 RM 36.5	07BR0681 - 13	D	5/29/2007	6/4/2007	07-0534	0.090	µg/L	B
MFAR-5 RM 35.5	07BR0681 - 14	D	5/29/2007	6/4/2007	07-0534	0.100	µg/L	B
IR-1 RM 36.0	07BR0681 - 15	D	5/29/2007	6/4/2007	07-0534	0.120	µg/L	B
NFAR-1 RM 20.5	07BR0681 - 16	D	5/29/2007	6/4/2007	07-0534	0.380	µg/L	
MFAR-11 RM 0.0	07BR0681 - 17	D	5/29/2007	6/4/2007	07-0534	0.250	µg/L	
Field Blank 1	07BR0681 - 18	D	5/29/2007	6/4/2007	07-0534	0.040	µg/L	U

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**Lab Project #** ENX002**Lab Tracking #** 07BR0681**Lab Services Agreement** ENX002

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**Pb**

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Sample Identification	BRL Number	Total or Dissolved	Preparation date	Analysis date	Batch #	Result	Units	Qualifier (Q)
DC-3 RM 0.0	07BR0681 - 10	D	5/29/2007	6/4/2007	07-0534	0.010	µg/L	U
MFAR-3 RM 39.5	07BR0681 - 11	D	5/29/2007	6/4/2007	07-0534	0.010	µg/L	U
MFAR-4 RM 39.0	07BR0681 - 12	D	5/29/2007	6/4/2007	07-0534	0.010	µg/L	U
MFAR-6 RM 36.5	07BR0681 - 13	D	5/29/2007	6/4/2007	07-0534	0.010	µg/L	U
MFAR-5 RM 35.5	07BR0681 - 14	D	5/29/2007	6/4/2007	07-0534	0.010	µg/L	U
IR-1 RM 36.0	07BR0681 - 15	D	5/29/2007	6/4/2007	07-0534	0.010	µg/L	U
NFAR-1 RM 20.5	07BR0681 - 16	D	5/29/2007	6/4/2007	07-0534	0.010	µg/L	U
MFAR-11 RM 0.0	07BR0681 - 17	D	5/29/2007	6/4/2007	07-0534	0.010	µg/L	U
Field Blank 1	07BR0681 - 18	D	5/29/2007	6/4/2007	07-0534	0.010	µg/L	U

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**Summary of Results for**

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590 Ygnacio Valley Road

Walnut Creek CA 94596

Tel: 925-988-1217

**Lab Project #** ENX002

**Lab Tracking #** 07BR0701

**Lab Services Agreement** ENX002

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**Sample/Sampling/Receiving Info**

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**Entrix, Inc.**

**BRL**

Sample Identification	Sampling Date	Matrix	Submatrix	Sample Number	Receiving Date
LCC-2-RM 0.0	5/21/2007	Water		07BR0701 - 01	5/23/2007
RR-5 RM 3.5	5/21/2007	Water		07BR0701 - 02	5/23/2007
RR-6 RM 3.0	5/21/2007	Water		07BR0701 - 03	5/23/2007
MFAR-9 RM 24.0	5/21/2007	Water		07BR0701 - 04	5/23/2007
MFAR-8 RM 24.5	5/21/2007	Water		07BR0701 - 05	5/23/2007
RR-7 RM 0.0	5/21/2007	Water		07BR0701 - 06	5/23/2007
LCC-2-RM 0.0	5/21/2007	Water		07BR0701 - 07	5/23/2007
RR-5 RM 3.5	5/21/2007	Water		07BR0701 - 08	5/23/2007
RR-6 RM 3.0	5/21/2007	Water		07BR0701 - 09	5/23/2007
MFAR-9 RM 24.0	5/21/2007	Water		07BR0701 - 10	5/23/2007
MFAR-8 RM 24.5	5/21/2007	Water		07BR0701 - 11	5/23/2007
RR-7 RM 0.0	5/21/2007	Water		07BR0701 - 12	5/23/2007

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**As**

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Sample Identification	BRL Number	Total or Dissolved	Preparation date	Analysis date	Batch #	Result	Units	Qualifier (Q)
LCC-2-RM 0.0	07BR0701 - 07	D	5/29/2007	6/4/2007	07-0534	0.160	µg/L	B
RR-5 RM 3.5	07BR0701 - 08	D	5/29/2007	6/4/2007	07-0534	0.160	µg/L	B
RR-6 RM 3.0	07BR0701 - 09	D	5/29/2007	6/4/2007	07-0534	0.140	µg/L	B
MFAR-9 RM 24.0	07BR0701 - 10	D	5/29/2007	6/4/2007	07-0534	0.170	µg/L	B
MFAR-8 RM 24.5	07BR0701 - 11	D	5/29/2007	6/4/2007	07-0534	0.170	µg/L	B
RR-7 RM 0.0	07BR0701 - 12	D	5/29/2007	6/4/2007	07-0534	0.160	µg/L	B

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**Cd**

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LCC-2-RM 0.0	07BR0701 - 07	D	5/29/2007	6/4/2007	07-0534	0.004	µg/L	U
RR-5 RM 3.5	07BR0701 - 08	D	5/29/2007	6/4/2007	07-0534	0.004	µg/L	U
RR-6 RM 3.0	07BR0701 - 09	D	5/29/2007	6/4/2007	07-0534	0.004	µg/L	U
MFAR-9 RM 24.0	07BR0701 - 10	D	5/29/2007	6/4/2007	07-0534	0.004	µg/L	U
MFAR-8 RM 24.5	07BR0701 - 11	D	5/29/2007	6/4/2007	07-0534	0.004	µg/L	U
RR-7 RM 0.0	07BR0701 - 12	D	5/29/2007	6/4/2007	07-0534	0.004	µg/L	U

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**Summary of Results for****Entrix, Inc.****Contact:** Brian Frantz

590 Ygnacio Valley Road

Walnut Creek CA 94596

Tel: 925-988-1217

**Lab Project #** ENX002**Lab Tracking #** 07BR0701**Lab Services Agreement** ENX002

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**Cr**

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Sample Identification	BRL Number	Total or Dissolved	Preparation date	Analysis date	Batch #	Result	Units	Qualifier (Q)
LCC-2-RM 0.0	07BR0701 - 07	D	5/29/2007	6/4/2007	07-0534	0.030	µg/L	U
RR-5 RM 3.5	07BR0701 - 08	D	5/29/2007	6/4/2007	07-0534	0.030	µg/L	U
RR-6 RM 3.0	07BR0701 - 09	D	5/29/2007	6/4/2007	07-0534	0.030	µg/L	U
MFAR-9 RM 24.0	07BR0701 - 10	D	5/29/2007	6/4/2007	07-0534	0.030	µg/L	U
MFAR-8 RM 24.5	07BR0701 - 11	D	5/29/2007	6/4/2007	07-0534	0.030	µg/L	U
RR-7 RM 0.0	07BR0701 - 12	D	5/29/2007	6/4/2007	07-0534	0.030	µg/L	U

Thursday, June 14, 2007

  
Project Manager

**Reported by**

**Brooks Rand LLC**

**Contact:** Amanda Fawley

3958 6th Avenue NW

Seattle, WA 98107

Tel: 206-632-6206 Fax: 206-632-6017

**Summary of Results for**

**Entrix, Inc.**

**Contact:** Brian Frantz

590 Ygnacio Valley Road

Walnut Creek CA 94596

Tel: 925-988-1217

**Lab Project #** ENX002

**Lab Tracking #** 07BR0701

**Lab Services Agreement** ENX002

**Cu**

Sample Identification	BRL Number	Total or Dissolved	Preparation date	Analysis date	Batch #	Result	Units	Qualifier (Q)
LCC-2-RM 0.0	07BR0701 - 07	D	5/29/2007	6/4/2007	07-0534	0.200	µg/L	( B
RR-5 RM 3.5	07BR0701 - 08	D	5/29/2007	6/4/2007	07-0534	0.360	µg/L	
RR-6 RM 3.0	07BR0701 - 09	D	5/29/2007	6/4/2007	07-0534	0.330	µg/L	
MFAR-9 RM 24.0	07BR0701 - 10	D	5/29/2007	6/4/2007	07-0534	0.340	µg/L	
MFAR-8 RM 24.5	07BR0701 - 11	D	5/29/2007	6/4/2007	07-0534	0.310	µg/L	
RR-7 RM 0.0	07BR0701 - 12	D	5/29/2007	6/4/2007	07-0534	0.350	µg/L	

Thursday, June 14, 2007

  
Project Manager



**Reported by****Brooks Rand LLC****Contact:** Amanda Fawley

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Seattle, WA 98107

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**Summary of Results for****Entrix, Inc.****Contact:** Brian Frantz

590 Ygnacio Valley Road

Walnut Creek CA 94596

Tel: 925-988-1217

**Lab Project #** ENX002**Lab Tracking #** 07BR0701**Lab Services Agreement** ENX002**Fe**

Sample Identification	BRL Number	Total or Dissolved	Preparation date	Analysis date	Batch #	Result	Units	Qualifier (Q)
LCC-2-RM 0.0	07BR0701 - 07	D	5/29/2007	6/12/2007	07-0534b	1.600	µg/L	B
RR-5 RM 3.5	07BR0701 - 08	D	5/29/2007	6/12/2007	07-0534b	1.400	µg/L	U
RR-6 RM 3.0	07BR0701 - 09	D	5/29/2007	6/12/2007	07-0534b	1.400	µg/L	U
MFAR-9 RM 24.0	07BR0701 - 10	D	5/29/2007	6/12/2007	07-0534b	22.100	µg/L	
MFAR-8 RM 24.5	07BR0701 - 11	D	5/29/2007	6/12/2007	07-0534b	71.600	µg/L	
RR-7 RM 0.0	07BR0701 - 12	D	5/29/2007	6/12/2007	07-0534b	1.400	µg/L	U

Thursday, June 14, 2007

  
Project Manager

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Tel: 206-632-6206 Fax: 206-632-6017

**Summary of Results for****Entrix, Inc.****Contact:** Brian Frantz

590 Ygnacio Valley Road

Walnut Creek CA 94596

Tel: 925-988-1217

**Lab Project #** ENX002**Lab Tracking #** 07BR0701**Lab Services Agreement** ENX002


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**Hg**

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Sample Identification	BRL Number	Total or Dissolved	Preparation date	Analysis date	Batch #	Result	Units	Qualifier (Q)
LCC-2-RM 0.0	07BR0701 - 01	T	5/31/2007	6/6/2007	07-0554	0.540	ng/L	
RR-5 RM 3.5	07BR0701 - 02	T	5/31/2007	6/6/2007	07-0554	0.230	ng/L	B
RR-6 RM 3.0	07BR0701 - 03	T	5/31/2007	6/6/2007	07-0554	0.240	ng/L	B
MFAR-9 RM 24.0	07BR0701 - 04	T	5/31/2007	6/6/2007	07-0554	0.360	ng/L	B
MFAR-8 RM 24.5	07BR0701 - 05	T	5/31/2007	6/6/2007	07-0554	0.370	ng/L	B
RR-7 RM 0.0	07BR0701 - 06	T	5/31/2007	6/6/2007	07-0554	0.200	ng/L	B

Thursday, June 14, 2007

  
Project Manager

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3958 6th Avenue NW

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**Summary of Results for****Entrix, Inc.****Contact:** Brian Frantz

590 Ygnacio Valley Road

Walnut Creek CA 94596

Tel: 925-988-1217

**Lab Project #** ENX002**Lab Tracking #** 07BR0701**Lab Services Agreement** ENX002

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**Mg**

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Sample Identification	BRL Number	Total or Dissolved	Preparation date	Analysis date	Batch #	Result	Units	Qualifier (Q)
LCC-2-RM 0.0	07BR0701 - 07	D	5/29/2007	6/4/2007	07-0534	1,110.000	µg/L	
RR-5 RM 3.5	07BR0701 - 08	D	5/29/2007	6/4/2007	07-0534	927.000	µg/L	
RR-6 RM 3.0	07BR0701 - 09	D	5/29/2007	6/4/2007	07-0534	1,000.000	µg/L	
MFAR-9 RM 24.0	07BR0701 - 10	D	5/29/2007	6/4/2007	07-0534	976.000	µg/L	
MFAR-8 RM 24.5	07BR0701 - 11	D	5/29/2007	6/4/2007	07-0534	989.000	µg/L	
RR-7 RM 0.0	07BR0701 - 12	D	5/29/2007	6/4/2007	07-0534	1,020.000	µg/L	

Thursday, June 14, 2007

  
Project Manager

**Reported by****Brooks Rand LLC****Contact:** Amanda Fawley

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Seattle, WA 98107

Tel: 206-632-6206 Fax: 206-632-6017

**Summary of Results for****Entrix, Inc.****Contact:** Brian Frantz

590 Ygnacio Valley Road

Walnut Creek CA 94596

Tel: 925-988-1217

**Lab Project #** ENX002**Lab Tracking #** 07BR0701**Lab Services Agreement** ENX002

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**Ni**

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Sample Identification	BRL Number	Total or Dissolved	Preparation date	Analysis date	Batch #	Result	Units	Qualifier (Q)
LCC-2-RM 0.0	07BR0701 - 07	D	5/29/2007	6/4/2007	07-0534	0.100	µg/L	B
RR-5 RM 3.5	07BR0701 - 08	D	5/29/2007	6/4/2007	07-0534	0.130	µg/L	B
RR-6 RM 3.0	07BR0701 - 09	D	5/29/2007	6/4/2007	07-0534	0.120	µg/L	B
MFAR-9 RM 24.0	07BR0701 - 10	D	5/29/2007	6/4/2007	07-0534	0.130	µg/L	B
MFAR-8 RM 24.5	07BR0701 - 11	D	5/29/2007	6/4/2007	07-0534	0.150	µg/L	B
RR-7 RM 0.0	07BR0701 - 12	D	5/29/2007	6/4/2007	07-0534	0.140	µg/L	B

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Thursday, June 14, 2007  
Project Manager

**Reported by****Brooks Rand LLC****Contact:** Amanda Fawley

3958 6th Avenue NW

Seattle, WA 98107

Tel: 206-632-6206 Fax: 206-632-6017

**Summary of Results for****Entrix, Inc.****Contact:** Brian Frantz

590 Ygnacio Valley Road

Walnut Creek CA 94596

Tel: 925-988-1217

**Lab Project #** ENX002**Lab Tracking #** 07BR0701**Lab Services Agreement** ENX002


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**Pb**

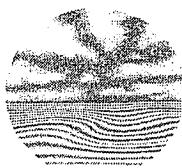
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Sample Identification	BRL Number	Total or Dissolved	Preparation date	Analysis date	Batch #	Result	Units	Qualifier (Q)
LCC-2-RM 0.0	07BR0701 - 07	D	5/29/2007	6/4/2007	07-0534	0.010	µg/L	U
RR-5 RM 3.5	07BR0701 - 08	D	5/29/2007	6/4/2007	07-0534	0.010	µg/L	U
RR-6 RM 3.0	07BR0701 - 09	D	5/29/2007	6/4/2007	07-0534	0.010	µg/L	U
MFAR-9 RM 24.0	07BR0701 - 10	D	5/29/2007	6/4/2007	07-0534	0.010	µg/L	U
MFAR-8 RM 24.5	07BR0701 - 11	D	5/29/2007	6/4/2007	07-0534	0.010	µg/L	U
RR-7 RM 0.0	07BR0701 - 12	D	5/29/2007	6/4/2007	07-0534	0.010	µg/L	U

Thursday, June 14, 2007

  
Project Manager

# QUALITY ASSURANCE SUMMARY



**BROOKSRAND**  
TRACE METALS ANALYSIS & PRODUCTS

3958 6th Avenue NW  
Seattle, WA 98107  
Voice: 206-632-6206  
Fax: 206-632-6017

Batch #: 07-0534

Method #: EPA 1638 Mod. (ICP-MS)

Analyte: Trace Metals

Matrix: Water

BIAS						
Certified Reference Materials (CRM)						
Analyte	NIST 1640			NIST 1643e		
	Certified Value µg/L	Measured Value µg/L	Recovery %	Certified Value µg/L	Measured Value µg/L	Recovery %
Mg	5819	6030	104%	8037	8553	106%
Ca	7045	6972	99%	32300	31327	97%
Cr	38.6	37.8	98%	20.4	21.6	106%
Ni	27.4	28.8	105%	62.41	66.43	106%
Cu	85.2	85.1	100%	22.76	22.66	100%
As	26.67	25.47	96%	60.45	55.84	92%
Cd	22.79	22.78	100%	6.568	6.784	103%
Pb	27.89	29.29	105%	19.63	19.86	101%

Criteria: Recovery = 75-125%

BIAS			
Certified Reference Materials (CRM)			
Analyte	ERA - Hardness		
	Certified Value µg/L	Measured Value µg/L	Recovery %
Mg	6550	6177	94%
Ca	32400	29533	91%

Criterion: ICV Recovery = 75-125%

BIAS								
Sample 07BR0681-10 Matrix Spike and Matrix Spike Duplicate Analysis (MS/MSD)								
Analyte	Sample Value µg/L	Matrix Spike			Matrix Spike Duplicate			Duplicate RPD
		Spiked Value µg/L	Measured Value µg/L	MS Recovery %	Spiked Value µg/L	Measured Value µg/L	MSD Recovery %	
Mg	880.6	2000	2880	100%	2000	2827	97%	2%
Cr	-0.17	1.00	0.73	90%	1.00	0.73	90%	0%
Ni	0.16	1.00	1.08	92%	1.00	1.08	92%	0%
Cu	0.13	1.00	1.15	101%	1.00	1.17	104%	2%
As	0.04	1.00	0.99	95%	1.00	0.99	94%	1%
Cd	0.001	0.500	0.506	101%	0.500	0.504	101%	0%
Pb	0.00	0.50	0.53	107%	0.50	0.53	106%	1%

Criteria: Recovery = 75-125%, RPD <25%

BIAS								
Sample 07BR0681-16 Matrix Spike and Matrix Spike Duplicate Analysis (MS/MSD)								
Analyte	Sample Value µg/L	Matrix Spike			Matrix Spike Duplicate			Duplicate RPD
		Spiked Value µg/L	Measured Value µg/L	MS Recovery %	Spiked Value µg/L	Measured Value µg/L	MSD Recovery %	
Mg	1573	2000	3571	100%	2000	3571	100%	0%
Cr	-0.11	1.00	0.81	92%	1.00	0.81	92%	1%
Ni	0.38	1.00	1.28	90%	1.00	1.28	91%	0%
Cu	0.43	1.00	1.43	100%	1.00	1.40	97%	2%
As	0.45	1.00	1.34	89%	1.00	1.32	87%	1%
Cd	0.004	0.500	0.500	99%	0.500	0.483	96%	3%
Pb	0.00	0.50	0.52	104%	0.50	0.51	102%	2%

Criteria: Recovery = 75-125%, RPD <25%

  
 Quality Assurance Officer  
  
 Project Manager

# QUALITY ASSURANCE SUMMARY

Batch #: 07-0534 (continued)

Method #: EPA 1638 Mod. (ICP-MS)

Analyte: Trace Metals

Matrix: Water

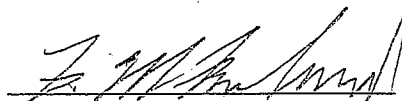
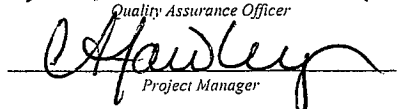
BIAS					Criteria: Recovery = 75-125%, RPD <25%			
Sample 07BR0701-08 Matrix Spike and Matrix Spike Duplicate Analysis (MS/MSD)								
Analyte	Sample Value	Matrix Spike			Matrix Spike Duplicate			Duplicate RPD
		Spiked	Measured	MS	Spiked	Measured	MSD	
Mg	926.8	2000	2972	102%	2000	2955	101%	1%
Cr	-0.19	1.00	0.73	92%	1.00	0.75	94%	3%
Ni	0.13	1.00	1.09	95%	1.00	1.09	95%	0%
Cu	0.36	1.00	1.34	98%	1.00	1.39	103%	4%
As	0.16	1.00	1.07	91%	1.00	1.07	91%	0%
Cd	0.001	0.500	0.506	101%	0.500	0.506	101%	0%
Pb	0.00	0.50	0.52	104%	0.50	0.51	103%	1%

BIAS					Criteria: Recovery = 75-125%, RPD <25%			
Sample 07BR0714-22 Matrix Spike and Matrix Spike Duplicate Analysis (MS/MSD)								
Analyte	Sample Value	Matrix Spike			Matrix Spike Duplicate			Duplicate RPD
		Spiked	Measured	MS	Spiked	Measured	MSD	
Mg	270.7	2000	2222	98%	2000	2202	97%	1%
Cr	-0.06	1.00	0.90	96%	1.00	0.89	95%	1%
Ni	0.30	1.00	1.29	100%	1.00	1.28	98%	1%
Cu	0.30	1.00	1.27	97%	1.00	1.32	101%	4%
As	0.06	1.00	0.96	90%	1.00	0.99	93%	3%
Cd	0.004	0.500	0.494	98%	0.500	0.496	98%	0%
Pb	0.00	0.50	0.51	102%	0.50	0.51	102%	0%

BIAS					Criteria: Recovery = 75-125%, RPD <25%			
Sample 07BR0741-08 Matrix Spike and Matrix Spike Duplicate Analysis (MS/MSD)								
Analyte	Sample Value	Matrix Spike			Matrix Spike Duplicate			Duplicate RPD
		Spiked	Measured	MS	Spiked	Measured	MSD	
Mg	621.1	2000	2269	82%	2000	2402	89%	6%
Cr	-0.06	1.00	0.91	97%	1.00	0.94	100%	3%
Ni	0.09	1.00	1.07	98%	1.00	1.13	104%	6%
Cu	0.38	1.00	1.43	105%	1.00	1.48	110%	3%
As	0.17	1.00	1.10	93%	1.00	1.18	101%	7%
Cd	0.002	0.500	0.482	96%	0.500	0.512	102%	6%
Pb	0.00	0.50	0.52	104%	0.50	0.55	109%	5%

BIAS					Criteria: Recovery = 75-125%, RPD <25%			
Sample 07BR0708-09 Matrix Spike and Matrix Spike Duplicate Analysis (MS/MSD)								
Analyte	Sample Value	Matrix Spike			Matrix Spike Duplicate			Duplicate RPD
		Spiked	Measured	MS	Spiked	Measured	MSD	
Cu	0.20	1.00	1.32	113%	1.00	1.44	125%	9%
Cd	0.002	1.000	1.014	101%	1.000	1.049	105%	3%
Pb	0.00	1.00	1.03	102%	1.00	1.08	107%	5%

BIAS					Criteria: Recovery = 75-125%, RPD <25%			
Sample 07BR0708-21 Matrix Spike and Matrix Spike Duplicate Analysis (MS/MSD)								
Analyte	Sample Value	Matrix Spike			Matrix Spike Duplicate			Duplicate RPD
		Spiked	Measured	MS	Spiked	Measured	MSD	
Mg	2273	5000	6483	84%	5000	6230	79%	4%
Ca	6492	10000	14868	84%	10000	14791	83%	1%

  
 Quality Assurance Officer  
  
 Project Manager

# QUALITY ASSURANCE SUMMARY

Batch #: 07-0534 (continued)

Method #: EPA 1638 Mod. (ICP-MS)

Analyte: Trace Metals

Matrix: Water

PRECISION Criteria: RPD<25% or results +/-PQL if <5x PQL Sample 07BR0681-10 Method Duplicate Analysis (MD)				
Analyte	Sample Value µg/L	Duplicate Value µg/L	Average Value µg/L	Duplicate RPD
Mg	880.6	932.2	906.4	6%
Cr	-0.17	-0.17	-0.17	*
Ni	0.16	0.15	0.15	*
Cu	0.13	0.15	0.14	*
As	0.04	0.05	0.05	*
Cd	0.001	0.002	0.002	*
Pb	0.00	0.00	0.00	*

\* Results less than five times the PQL and within the PQL of each other.

PRECISION Criteria: RPD<25% or results +/-PQL if <5x PQL Sample 07BR0681-16 Method Duplicate Analysis (MD)				
Analyte	Sample Value µg/L	Duplicate Value µg/L	Average Value µg/L	Duplicate RPD
Mg	1573	1546	1560	2%
Cr	-0.11	-0.12	-0.11	*
Ni	0.38	0.36	0.37	*
Cu	0.43	0.41	0.42	*
As	0.45	0.43	0.44	*
Cd	0.004	0.004	0.004	*
Pb	0.00	0.00	0.00	*

\* Results less than five times the PQL and within the PQL of each other.

PRECISION Criteria: RPD<25% or results +/-PQL if <5x PQL Sample 07BR0701-08 Method Duplicate Analysis (MD)				
Analyte	Sample Value µg/L	Duplicate Value µg/L	Average Value µg/L	Duplicate RPD
Mg	926.8	938.7	932.7	1%
Cr	-0.19	-0.20	-0.20	*
Ni	0.13	0.13	0.13	*
Cu	0.36	0.38	0.37	*
As	0.16	0.16	0.16	*
Cd	0.001	0.001	0.001	*
Pb	0.00	0.00	0.00	*

\* Results less than five times the PQL and within the PQL of each other.

PRECISION Criteria: RPD<25% or results +/-PQL if <5x PQL Sample 07BR0714-22 Method Duplicate Analysis (MD)				
Analyte	Sample Value µg/L	Duplicate Value µg/L	Average Value µg/L	Duplicate RPD
Mg	270.7	271.5	271.1	0%
Cr	-0.06	-0.05	-0.06	*
Ni	0.30	0.31	0.30	*
Cu	0.30	0.30	0.30	*
As	0.06	0.06	0.06	*
Cd	0.004	0.004	0.004	*
Pb	0.00	0.00	0.00	*

\* Results less than five times the PQL and within the PQL of each other.

  
 Quality Assurance Officer  
  
 Project Manager



# QUALITY ASSURANCE SUMMARY

Batch #: 07-0534 (continued)

Method #: EPA 1638 Mod. (ICP-MS)

Analyte: Trace Metals

Matrix: Water

**PRECISION** Criteria:  $RPD < 25\%$  or results  $\pm PQL$  if  $< 5 \times PQL$   
Sample 07BR0741-08 Method Duplicate Analysis (MD)

Analyte	Sample Value $\mu\text{g/L}$	Duplicate Value $\mu\text{g/L}$	Average Value $\mu\text{g/L}$	Duplicate RPD
Mg	621.1	604.2	612.7	3%
Cr	-0.06	-0.06	-0.06	*
Ni	0.09	0.09	0.09	*
Cu	0.38	0.35	0.36	*
As	0.17	0.16	0.17	*
Cd	0.002	0.001	0.002	*
Pb	0.00	0.00	0.00	*

\* Results less than five times the PQL and within the PQL of each other.

**PRECISION** Criteria:  $RPD < 25\%$  or results  $\pm PQL$  if  $< 5 \times PQL$   
Sample 07BR0708-09 Method Duplicate Analysis (MD)

Analyte	Sample Value $\mu\text{g/L}$	Duplicate Value $\mu\text{g/L}$	Average Value $\mu\text{g/L}$	Duplicate RPD
Cu	0.20	0.21	0.20	*
Cd	0.002	0.002	0.002	*
Pb	0.00	0.00	0.00	*

\* Results less than five times the PQL and within the PQL of each other.

**PRECISION** Criteria:  $RPD < 25\%$  or results  $\pm PQL$  if  $< 5 \times PQL$   
Sample 07BR0708-21 Method Duplicate Analysis (MD)

Analyte	Sample Value $\mu\text{g/L}$	Duplicate Value $\mu\text{g/L}$	Average Value $\mu\text{g/L}$	Duplicate RPD
Mg	2273	2257	2265	1%
Ca	6492	6402	6447	1%

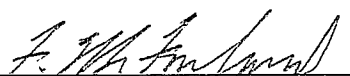
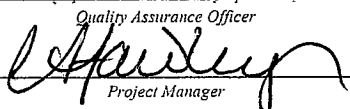
## Method Blanks (MB)

Criteria: Avg.  $< PQL$  and StDev  $< MDL$  or  $< 1/10\text{th}$  sample result

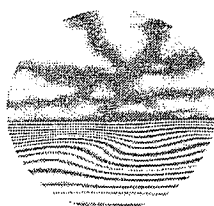
Analyte	MB1 $\mu\text{g/L}$	MB2 $\mu\text{g/L}$	MB3 $\mu\text{g/L}$	MB4 $\mu\text{g/L}$	Average $\mu\text{g/L}$	StDev $\mu\text{g/L}$
Mg	-0.2	-0.2	-0.2	-0.2	-0.2	0.0
Ca	-1.7	1.1	-2.7	-0.3	-0.9	1.7
Cr	-0.02	-0.01	-0.03	-0.01	-0.02	0.01
Ni	-0.01	0.00	-0.01	-0.01	-0.01	0.00
Cu	-0.14	-0.14	-0.14	-0.14	-0.14	0.00
As	0.011	0.02	0.010	0.001	0.01	0.01
Cd	-0.003	-0.002	-0.003	-0.003	-0.003	0.000
Pb	-0.06	-0.05	-0.05	-0.06	-0.05	0.01

## Method Detection Limits

Analyte	MDL $\mu\text{g/L}$	PQL $\mu\text{g/L}$
Mg	0.6	3.0
Ca	6.0	30.0
Cr	0.03	0.15
Ni	0.04	0.20
Cu	0.04	0.20
As	0.06	0.20
Cd	0.004	0.010
Pb	0.01	0.05

  
Quality Assurance Officer  
  
Project Manager

# QUALITY ASSURANCE SUMMARY



**BROOKSRAND**  
TRACE METALS ANALYSIS & PRODUCTS

3958 6th Avenue NW  
Seattle, WA 98107  
Voice: 206-632-6206  
Fax: 206-632-6017

Batch #: 07-0534b

Method #: EPA 1638 Mod. (ICP-MS)

Analyte: Trace Metals

Matrix: Water

BIAS <span style="float: right;">Criteria: Recovery = 75-125%</span>			
Certified Reference Materials (CRM)			
Analyte	NIST 1640		
	Certified Value µg/L	Measured Value µg/L	Recovery %
Fe	34.3	37.6	110%

BIAS <span style="float: right;">Criteria: Recovery = 75-125%, RPD &lt;25%</span>								
Matrix Spike and Matrix Spike Duplicate Analysis (MS/MSD) for Fe								
Sample ID	Sample Value µg/L	Matrix Spike			Matrix Spike Duplicate			Duplicate RPD
		Spiked Value µg/L	Measured Value µg/L	MS Recovery %	Spiked Value µg/L	Measured Value µg/L	MSD Recovery %	
07BR0681-10	2.8	20.0	22.0	96%	20.0	20.8	90%	6%
07BR0681-16	14.6	20.0	37.4	114%	20.0	35.4	104%	6%
07BR0701-08	-0.4	20.0	17.8	91%	20.0	18.5	95%	4%
07BR0714-22	1.4	20.0	20.9	97%	20.0	19.7	91%	6%
07BR0741-08	-5.0	20.0	15.8	104%	20.0	14.8	99%	6%

PRECISION <span style="float: right;">Criteria: RPD &lt;25% or results +/-PQL if &lt;5x PQL</span>				
Method Duplicate Analysis (MD) for Fe				
Sample ID	Sample Value µg/L	Duplicate Value µg/L	Average Value µg/L	Duplicate RPD
07BR0681-10	2.8	1.2	2.0	*
07BR0681-16	14.6	13.8	14.2	6%
07BR0701-08	-0.4	-0.9	-0.6	*
07BR0714-22	1.4	0.5	1.0	*
07BR0741-08	-5.0	-4.7	-4.8	*

\* Results less than five times the PQL and within the PQL of each other.

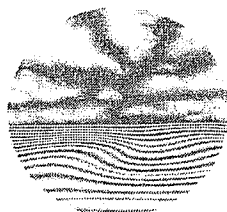
Method Blanks (MB) <span style="float: right;">Criteria: Avg. &lt; PQL and StDev &lt; MDL or &lt; 1/10th sample result</span>						
Analyte	MB1 µg/L	MB2 µg/L	MB3 µg/L	MB4 µg/L	Average µg/L	StDev µg/L
Fe	0.1	0.9	-1.1	-0.1	0.0	0.8

Method Detection Limits		
Analyte	MDL µg/L	PQL µg/L
Fe	1.4	5.0

  
Quality Assurance Officer

  
Project Manager

# QUALITY ASSURANCE SUMMARY



**BROOKSRAND**  
TRACE METALS ANALYSIS & PRODUCTS

3958 6th Avenue NW  
Seattle, WA 98107  
Voice: 206-632-6206  
Fax: 206-632-6017

Batch #: 07-0552

Method #: EPA 1631E

Analyte: Hg

Matrix: Water

BIAS Criterion: Recovery = 77-123%			
Continuing Calibration Verification (CCV)			
QCS ID	Certified Value ng/L	Measured Value ng/L	Recovery %
CCV1	5.00	4.50	90%
CCV2	5.00	4.50	90%
CCV3	5.00	5.10	102%
CCV4	5.00	4.74	95%
CCV5	5.00	5.25	105%

BIAS Criterion: Recovery = 85-115%			
Independent Calibration Verification (ICV)			
QCS ID	Certified Value ng/L	Measured Value ng/L	Recovery %
ICV*	16.01	15.22	95%

\* Preparation of the CRM NIST 1641d.

BIAS Criteria: Recovery = 71-125%, RPD ≤ 24%								
Matrix Spikes/Matrix Spike Duplicates (MS/MSD)								
Sample ID	Sample Value ng/L	Matrix Spike			Matrix Spike Duplicate			Duplicate RPD
		Spiked Value ng/L	Measured Value ng/L	MS Recovery %	Spiked Value ng/L	Measured Value ng/L	MSD Recovery %	
07BR0677-01	16.75	82.44	89.20	88%	82.33	80.70	78%	10%
07BR0679-01	2.78	15.42	19.57	109%	15.18	20.11	114%	3%

1.0% BrCl Method Blanks (MB) Criterion: MB < 0.5 ng/L						Detection Limits	
MB1 ng/L	MB2 ng/L	MB3 ng/L	MB4 ng/L	Average ng/L	StDev ng/L	MB MDL ng/L	MB POL ng/L
0.09	0.10	0.08	0.11	0.09	0.02	0.15	0.40

1% BrCl MB prepared in quadruplicate.

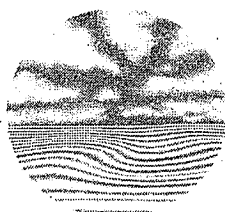
Average MB result multiplied by appropriate factor to produce correction factor for each sample preservation BrCl level.

Sample Specific Detection Limits		
Sample ID	MDL ng/L	POL ng/L
07BR0670-01	0.31	0.82
07BR0677-01	0.32	0.84
07BR0677-02	0.30	0.80

*Nicole C. Mead*  
Quality Assurance Officer

*Project Manager*  
Project Manager

# QUALITY ASSURANCE SUMMARY



**BROOKSRAND**  
TRACE METALS ANALYSIS & PRODUCTS

3958 6th Avenue NW  
Seattle, WA 98107  
Voice: 206-632-6206  
Fax: 206-632-6017

Batch #: 07-0553

Method #: EPA 1631E

Analyte: Hg

Matrix: Water

BIAS Criterion: Recovery = 77-123% Continuing Calibration Verification (CCV)			
QCS ID	Certified Value ng/L	Measured Value ng/L	Recovery %
CCV1	5.00	5.25	105%
CCV2	5.00	4.72	94%
CCV3	5.00	4.79	96%

BIAS Criterion: Recovery = 85-115% Independent Calibration Verification (ICV)			
QCS ID	Certified Value ng/L	Measured Value ng/L	Recovery %
ICV*	16.01	15.87	99%

\* Preparation of the CRM NIST 1641d.

BIAS Criteria: Recovery = 71-125%, RPD ≤ 24% Matrix Spikes/Matrix Spike Duplicates (MS/MSD)								
Sample ID	Sample Value ng/L	Matrix Spike			Matrix Spike Duplicate			Duplicate RPD
		Spiked Value ng/L	Measured Value ng/L	MS Recovery %	Spiked Value ng/L	Measured Value ng/L	MSD Recovery %	
07BR0678-01	6.07	20.01	23.52	87%	20.36	23.03	83%	2%
07BR0709-01	68.47	156.7	217.2	95%	164.9	228.5	97%	5%

1.0% BrCl Method Blanks (MB) Criterion: MB < 0.5 ng/L						Detection Limits	
MB1 ng/L	MB2 ng/L	MB3 ng/L	MB4 ng/L	Average ng/L	StDev ng/L	MB MDL ng/L	MB PQL ng/L
0.06	0.04	0.02	0.03	0.04	0.02	0.15	0.40

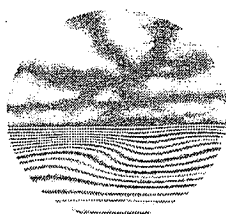
1% BrCl MB prepared in quadruplicate.

Average MB result multiplied by appropriate factor to produce correction factor for each sample preservation BrCl level.

Sample Specific Detection Limits		
Sample ID	MDL ng/L	PQL ng/L
07BR0678-01	0.31	0.82
07BR0709-01	0.62	1.66

*Nicole C. Mead*  
Quality Assurance Officer  
*[Signature]*  
Project Manager

# QUALITY ASSURANCE SUMMARY



**BROOKSRAND**  
TRACE METALS ANALYSIS & PRODUCTS

3958 6th Avenue NW

Seattle, WA 98107

Voice: 206-632-6206

Fax: 206-632-6017

Batch #: 07-0554

Method #: EPA 1631E

Analyte: Hg

Matrix: Water

BIAS <span style="float: right;">Criterion: Recovery = 77-123%</span>			
Continuing Calibration Verification (CCV)			
QCS ID	Certified Value ng/L	Measured Value ng/L	Recovery %
CCV1	5.00	4.14	83%
CCV2	5.00	5.34	107%
CCV3	5.00	4.35	87%

BIAS <span style="float: right;">Criterion: Recovery = 85-115%</span>			
Independent Calibration Verification (ICV)			
QCS ID	Certified Value ng/L	Measured Value ng/L	Recovery %
ICV*	16.01	14.99	94%

\* Preparation of the CRM NIST 1641d.

BIAS <span style="float: right;">Criteria: Recovery = 71-125%, RPD ≤ 24%</span>								
Matrix Spikes/Matrix Spike Duplicates (MS/MSD)								
Sample ID	Sample Value ng/L	Matrix Spike			Matrix Spike Duplicate			Duplicate RPD
		Spiked Value ng/L	Measured Value ng/L	MS Recovery %	Spiked Value ng/L	Measured Value ng/L	MSD Recovery %	
07BR0705-02	61.2	105.3	143.9	79%	105.3	154.6	89%	7%
07BR0708-08	1.92	5.10	6.65	93%	5.15	7.17	102%	8%

1.0% BrCl Method Blanks (MB) <span style="float: right;">Criterion: MB &lt; 0.5 ng/L</span>						Detection Limits	
MB1 ng/L	MB2 ng/L	MB3 ng/L	MB4 ng/L	Average ng/L	StDev ng/L	MB MDL ng/L	MB PQL ng/L
0.08	0.04	0.11	0.06	0.07	0.03	0.15	0.40

1% BrCl MB prepared in quadruplicate.

Average MB result multiplied by appropriate factor to produce correction factor for each sample preservation BrCl level.

Sample Specific Detection Limits		
Sample ID	MDL ng/L	PQL ng/L
07BR0705-02	3.2	8.4
07BR0705-03	3.2	8.4

  
Quality Assurance Officer

  
Project Manager



3958 6<sup>th</sup> Avenue NW  
Seattle, WA 98107  
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Phone: 206-632-6206  
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Email: brl@brooksrand.com

## Sample Receiving Log

Tracking # **07BR0681**

Customer: Entrix, Inc.

Contact: Brian Frantz

Project Ref. #: ENX002

BRL Project Manager: Amanda Fawley

Due Date: 6/16/2007

Receiving Date: 5/19/2007

Receiving Time: 10:00 AM

Logged-in by: Joseph Roberts

Log-in Date: 5/19/2007

Log-in Time: 11:37 AM

Airbill present? Yes

Airbill # 857329316944

Courier: FedEx

Custody seal present? Yes

Custody seal intact? Yes

COC Present? Yes

COC/Sample tag agree? Yes

COC Number: N/A

QA Level Standard

Sample Condition Intact

Shipping container intact? Yes

Shipping container type: Cooler

Shipping container temp: 2.6 °C

Shipping container coolant: Ice

Sample Turnaround Time:

Contract Turnaround Time: 28 days

Comments:

Lab ID:

**01**

Sample Tag #: DC-3 RM 0.0

Collection Date/Time: 5/17/2007, 11:00:00 AM

ContainerType and Lot #: FLPE bottle, 06-351

Size: 250-mL

Matrix/Sub-Matrix: Water,

Preservation: None

Acid Lot#: N/A

pH:

Filtered?: No

Sample Storage Location: Cabinet #4

Comments:

Analysis / Method: Hg

EPA 1631

**02**

Sample Tag #: MFAR-3 RM 39.5

Collection Date/Time: 5/17/2007, 12:30:00 PM

ContainerType and Lot #: FLPE bottle, 06-351

Size: 250-mL

Matrix/Sub-Matrix: Water,

Preservation: None

Acid Lot#: N/A

pH:

Filtered?: No

Sample Storage Location: Cabinet #4

Comments:

Analysis / Method: Hg

EPA 1631

**03**

Sample Tag #: MFAR-4 RM 39.0

Collection Date/Time: 5/17/2007, 12:00:00 PM

ContainerType and Lot #: FLPE bottle, 06-351

Size: 250-mL

Matrix/Sub-Matrix: Water,

Preservation: None

Acid Lot#: N/A

pH:

Filtered?: No

Sample Storage Location: Cabinet #4

Comments:

Analysis / Method: Hg

EPA 1631

Lab ID:

<b>04</b>		Matrix/Sub-Matrix: Water,
Sample Tag #:	MFAR-6 RM 36.5	Preservation: None
Collection Date/Time:	5/16/2007, 8:50:00 AM	Acid Lot#: N/A
ContainerType and Lot #:	FLPE bottle, 06-351	pH:
Size:	250-mL	Filtered?: No
Sample Storage Location:		Cabinet #4
<u>Comments:</u>		
Analysis / Method: Hg		EPA 1631
<hr/>		
<b>05</b>		Matrix/Sub-Matrix: Water,
Sample Tag #:	MFAR-5 RM 35.5	Preservation: None
Collection Date/Time:	5/16/2007, 9:25:00 AM	Acid Lot#: N/A
ContainerType and Lot #:	FLPE bottle, 06-351	pH:
Size:	250-mL	Filtered?: No
Sample Storage Location:		Cabinet #4
<u>Comments:</u>		
Analysis / Method: Hg		EPA 1631
<hr/>		
<b>06</b>		Matrix/Sub-Matrix: Water,
Sample Tag #:	IR-1 RM 36.0	Preservation: None
Collection Date/Time:	5/16/2007, 10:10:00 AM	Acid Lot#: N/A
ContainerType and Lot #:	FLPE bottle, 06-351	pH:
Size:	250-mL	Filtered?: No
Sample Storage Location:		Cabinet #4
<u>Comments:</u>		
Analysis / Method: Hg		EPA 1631
<hr/>		
<b>07</b>		Matrix/Sub-Matrix: Water,
Sample Tag #:	NFAR-1 RM 20.5	Preservation: None
Collection Date/Time:	5/16/2007, 2:30:00 PM	Acid Lot#: N/A
ContainerType and Lot #:	FLPE bottle, 06-351	pH:
Size:	250-mL	Filtered?: No
Sample Storage Location:		Cabinet #4
<u>Comments:</u>		
Analysis / Method: Hg		EPA 1631
<hr/>		
<b>08</b>		Matrix/Sub-Matrix: Water,
Sample Tag #:	MFAR-11 RM 0.0	Preservation: None
Collection Date/Time:	5/16/2007, 3:10:00 PM	Acid Lot#: N/A
ContainerType and Lot #:	FLPE bottle, 06-351	pH:
Size:	250-mL	Filtered?: No
Sample Storage Location:		Cabinet #4
<u>Comments:</u>		
Analysis / Method: Hg		EPA 1631
<hr/>		
<b>09</b>		Matrix/Sub-Matrix: Water, Blank
Sample Tag #:	Field Blank 1	Preservation: None
Collection Date/Time:	5/16/2007, 3:10:00 PM	Acid Lot#: N/A
ContainerType and Lot #:	FLPE bottle, 06-351	pH:
Size:	250-mL	Filtered?: No
Sample Storage Location:		Cabinet #4
<u>Comments:</u>		
Analysis / Method: Hg		EPA 1631
		Do Not Spike

Lab ID:

10

Sample Tag #: DC-3 RM 0.0  
Collection Date/Time: 5/17/2007, 11:00:00 AM  
ContainerType and Lot #: HDPE bottle, 07-097  
Size: 250-mL

Matrix/Sub-Matrix: Water,  
Preservation: None  
Acid Lot#: N/A  
pH:  
Filtered?: Yes  
Sample Storage Location: Cabinet #4

Comments:

Analysis / Method:	As	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Cd	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Cr	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Cu	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Fe	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Mg	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Ni	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Pb	EPA 1638 Mod. (ICP-MS)

11

Sample Tag #: MFAR-3 RM 39.5  
Collection Date/Time: 5/17/2007, 12:30:00 PM  
ContainerType and Lot #: HDPE bottle, 07-097  
Size: 250-mL

Matrix/Sub-Matrix: Water,  
Preservation: None  
Acid Lot#: N/A  
pH:  
Filtered?: Yes  
Sample Storage Location: Cabinet #4

Comments:

Analysis / Method:	As	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Cd	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Cr	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Cu	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Fe	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Mg	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Ni	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Pb	EPA 1638 Mod. (ICP-MS)

12

Sample Tag #: MFAR-4 RM 39.0  
Collection Date/Time: 5/17/2007, 12:00:00 PM  
ContainerType and Lot #: HDPE bottle, 07-097  
Size: 250-mL

Matrix/Sub-Matrix: Water,  
Preservation: None  
Acid Lot#: N/A  
pH:  
Filtered?: Yes  
Sample Storage Location: Cabinet #4

Comments:

Analysis / Method:	As	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Cd	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Cr	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Cu	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Fe	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Mg	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Ni	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Pb	EPA 1638 Mod. (ICP-MS)

13

Sample Tag #: MFAR-6 RM 36.5  
Collection Date/Time: 5/16/2007, 8:50:00 AM  
ContainerType and Lot #: HDPE bottle, 07-097  
Size: 250-mL

Matrix/Sub-Matrix: Water,  
Preservation: None  
Acid Lot#: N/A  
pH:  
Filtered?: Yes  
Sample Storage Location: Cabinet #4

Comments:

Analysis / Method:	As	EPA 1638 Mod. (ICP-MS)
--------------------	----	------------------------



Lab ID:

Analysis / Method:	Cd	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Cr	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Cu	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Fe	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Mg	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Ni	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Pb	EPA 1638 Mod. (ICP-MS)

---

14	Matrix/Sub-Matrix:	Water,	
Sample Tag #:	MFAR-5 RM 35.5	Preservation:	None
Collection Date/Time:	5/16/2007, 9:25:00 AM	Acid Lot#:	N/A
ContainerType and Lot #:	HDPE bottle, 07-097	pH:	Filtered?: Yes
Size:	250-mL	Sample Storage Location:	Cabinet #4

Comments:

Analysis / Method:	As	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Cd	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Cr	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Cu	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Fe	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Mg	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Ni	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Pb	EPA 1638 Mod. (ICP-MS)

---

15	Matrix/Sub-Matrix:	Water,	
Sample Tag #:	IR-1 RM 36.0	Preservation:	None
Collection Date/Time:	5/16/2007, 10:10:00 AM	Acid Lot#:	N/A
ContainerType and Lot #:	HDPE bottle, 07-097	pH:	Filtered?: Yes
Size:	250-mL	Sample Storage Location:	Cabinet #4

Comments:

Analysis / Method:	As	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Cd	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Cr	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Cu	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Fe	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Mg	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Ni	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Pb	EPA 1638 Mod. (ICP-MS)

---

16	Matrix/Sub-Matrix:	Water,	
Sample Tag #:	NFAR-1 RM 20.5	Preservation:	None
Collection Date/Time:	5/16/2007, 2:30:00 PM	Acid Lot#:	N/A
ContainerType and Lot #:	HDPE bottle, 07-097	pH:	Filtered?: Yes
Size:	250-mL	Sample Storage Location:	Cabinet #4

Comments:

Analysis / Method:	As	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Cd	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Cr	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Cu	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Fe	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Mg	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Ni	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Pb	EPA 1638 Mod. (ICP-MS)

Lab ID:

17

Sample Tag #: MFAR-11 RM 0.0  
Collection Date/Time: 5/16/2007, 3:10:00 PM  
Container Type and Lot #: HDPE bottle, 07-097  
Size: 250-mL

Matrix/Sub-Matrix: Water,

Preservation: None

Acid Lot#: N/A

pH:

Filtered?: Yes

Sample Storage Location: Cabinet #4

Comments:

Analysis / Method:	As	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Cd	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Cr	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Cu	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Fe	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Mg	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Ni	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Pb	EPA 1638 Mod. (ICP-MS)

18

Sample Tag #: Field Blank 1  
Collection Date/Time: 5/16/2007, 3:10:00 PM  
Container Type and Lot #: HDPE bottle, 07-097  
Size: 250-mL

Matrix/Sub-Matrix: Water, Blank

Preservation: None

Acid Lot#: N/A

pH:

Filtered?: Yes

Sample Storage Location: Cabinet #4

Comments:

Analysis / Method:	As	EPA 1638 Mod. (ICP-MS)	Do Not Spike
Analysis / Method:	Cd	EPA 1638 Mod. (ICP-MS)	Do Not Spike
Analysis / Method:	Cr	EPA 1638 Mod. (ICP-MS)	Do Not Spike
Analysis / Method:	Cu	EPA 1638 Mod. (ICP-MS)	Do Not Spike
Analysis / Method:	Fe	EPA 1638 Mod. (ICP-MS)	Do Not Spike
Analysis / Method:	Mg	EPA 1638 Mod. (ICP-MS)	Do Not Spike
Analysis / Method:	Ni	EPA 1638 Mod. (ICP-MS)	Do Not Spike
Analysis / Method:	Pb	EPA 1638 Mod. (ICP-MS)	Do Not Spike

Sample Custodian signature

Date

Reviewed By signature

Date

3958 6<sup>th</sup> Avenue NW

Phone: 206-632-6206

Seattle, WA 98107

Fax: 206-632-6017

www.brooksrand.com

Email: brl@brooksrand.com

## Sample Receiving Log

Tracking # 07BR0701

Customer: Entrix, Inc.

Contact: Brian Frantz

Project Ref. #: ENX002

BRL Project Manager: Amanda Fawley

QA Level Standard

Sample Condition Intact

Shipping container intact? Yes

Shipping container type: Cooler

Shipping container temp: 4.8 C

Shipping container coolant: Ice

Sample Turnaround Time:

Contract Turnaround Time: 28 days

Due Date: 6/20/2007

Receiving Date: 5/23/2007

Receiving Time: 8:45 AM

Logged-in by: Katie Jahanmir

Log-in Date: 5/23/2007

Log-in Time: 9:46 AM

Airbill present? Yes

Airbill # 857329316922

Courier: FedEx

Custody seal present? Yes

Custody seal intact? Yes

COC Present? Yes

COC/Sample tag agree? Yes

COC Number: N/A

Comments:

Lab ID:

01

Sample Tag #: LCC-2-RM 0.0

Collection Date/Time: 5/21/2007, 9:40:00 AM

ContainerType and Lot #: FLPE bottle, 06-351

Size: 250-mL

Matrix/Sub-Matrix: Water,

Preservation: none

Acid Lot#: n/a

pH:

Filtered?: No

Sample Storage Location: Cabinet #4

Comments:

Analysis / Method: Hg

EPA 1631

02

Sample Tag #: RR-5 RM 3.5

Collection Date/Time: 5/21/2007, 9:20:00 AM

ContainerType and Lot #: FLPE bottle, 06-351

Size: 250-mL

Matrix/Sub-Matrix: Water,

Preservation: none

Acid Lot#: n/a

pH:

Filtered?: No

Sample Storage Location: Cabinet #4

Comments:

Analysis / Method: Hg

EPA 1631

03

Sample Tag #: RR-6 RM 3.0

Collection Date/Time: 5/21/2007, 10:15:00 AM

ContainerType and Lot #: FLPE bottle, 06-351

Size: 250-mL

Matrix/Sub-Matrix: Water,

Preservation: none

Acid Lot#: n/a

pH:

Filtered?: No

Sample Storage Location: Cabinet #4

Comments:

Analysis / Method: Hg

EPA 1631

Lab ID:

04 Sample Tag #: MFAR-9 RM 24.0 Matrix/Sub-Matrix: Water,  
Collection Date/Time: 5/21/2007, 1:30:00 PM Preservation: none  
ContainerType and Lot #: FLPE bottle, 06-351 Acid Lot#: n/a  
Size: 250-mL pH: Filtered?: No  
Sample Storage Location: Cabinet #4

Comments:

Analysis / Method: Hg EPA 1631

05 Sample Tag #: MFAR-8 RM 24.5 Matrix/Sub-Matrix: Water,  
Collection Date/Time: 5/21/2007, 2:00:00 PM Preservation: none  
ContainerType and Lot #: FLPE bottle, 06-351 Acid Lot#: n/a  
Size: 250-mL pH: Filtered?: No  
Sample Storage Location: Cabinet #4

Comments:

Analysis / Method: Hg EPA 1631

06 Sample Tag #: RR-7 RM 0.0 Matrix/Sub-Matrix: Water,  
Collection Date/Time: 5/21/2007, 2:45:00 PM Preservation: none  
ContainerType and Lot #: FLPE bottle, 06-351 Acid Lot#: n/a  
Size: 250-mL pH: Filtered?: No  
Sample Storage Location: Cabinet #4

Comments:

Analysis / Method: Hg EPA 1631

07 Sample Tag #: LCC-2-RM 0.0 Matrix/Sub-Matrix: Water,  
Collection Date/Time: 5/21/2007, 9:40:00 AM Preservation: none  
ContainerType and Lot #: HDPE bottle, 07-097 Acid Lot#: n/a  
Size: 250-mL pH: Filtered?: Yes  
Sample Storage Location: Cabinet #4

Comments:

Analysis / Method: As EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Cd EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Cr EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Cu EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Fe EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Mg EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Ni EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Pb EPA 1638 Mod. (ICP-MS)

08 Sample Tag #: RR-5 RM 3.5 Matrix/Sub-Matrix: Water,  
Collection Date/Time: 5/21/2007, 9:20:00 AM Preservation: none  
ContainerType and Lot #: HDPE bottle, 07-097 Acid Lot#: n/a  
Size: 250-mL pH: Filtered?: Yes  
Sample Storage Location: Cabinet #4

Comments:

Analysis / Method: As EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Cd EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Cr EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Cu EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Fe EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Mg EPA 1638 Mod. (ICP-MS)

Lab ID:

Analysis / Method: Ni EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Pb EPA 1638 Mod. (ICP-MS)

09

Matrix/Sub-Matrix: Water,

Sample Tag #: RR-6 RM 3.0

Preservation: none

Collection Date/Time: 5/21/2007, 10:15:00 AM

Acid Lot#: n/a

ContainerType and Lot #: HDPE bottle, 07-097

pH:

Filtered?: Yes

Size: 250-mL

Sample Storage Location: Cabinet #4

Comments:

Analysis / Method: As EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Cd EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Cr EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Cu EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Fe EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Mg EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Ni EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Pb EPA 1638 Mod. (ICP-MS)

10

Matrix/Sub-Matrix: Water,

Sample Tag #: MFAR-9 RM 24.0

Preservation: none

Collection Date/Time: 5/21/2007, 1:30:00 PM

Acid Lot#: n/a

ContainerType and Lot #: HDPE bottle, 07-097

pH:

Filtered?: Yes

Size: 250-mL

Sample Storage Location: Cabinet #4

Comments:

Analysis / Method: As EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Cd EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Cr EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Cu EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Fe EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Mg EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Ni EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Pb EPA 1638 Mod. (ICP-MS)

11

Matrix/Sub-Matrix: Water,

Sample Tag #: MFAR-8 RM 24.5

Preservation: none

Collection Date/Time: 5/21/2007, 2:00:00 PM

Acid Lot#: n/a

ContainerType and Lot #: HDPE bottle, 07-097

pH:

Filtered?: Yes

Size: 250-mL

Sample Storage Location: Cabinet #4

Comments:

Analysis / Method: As EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Cd EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Cr EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Cu EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Fe EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Mg EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Ni EPA 1638 Mod. (ICP-MS)  
Analysis / Method: Pb EPA 1638 Mod. (ICP-MS)

Lab ID:

12

Sample Tag #: RR-7 RM 0.0

Collection Date/Time: 5/21/2007, 2:45:00 PM

Container Type and Lot #: HDPE bottle, 07-097

Size: 250-mL

Matrix/Sub-Matrix: Water,

Preservation: none

Acid Lot#: n/a

pH:

Filtered?: Yes

Sample Storage Location: Cabinet #4

Comments:

Analysis / Method:	As	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Cd	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Cr	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Cu	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Fe	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Mg	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Ni	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Pb	EPA 1638 Mod. (ICP-MS)

Updated Amy Dandle 5/25/07.  
Sample Custodian signature Date

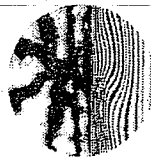
Amy Dandle 5/25/07.  
Reviewed By signature Date



# Chain Of Custody Record

Page 1 of 1  
White: LAB COPY  
Yellow: CUSTOMER COPY

Client: <b>ENTRIX</b>		COC receipt confirmation? (Y/N) If yes, by Fax / Email (circle one)		Ship to: <b>Brooks Rand LLC</b>																														
Contact: <b>BRIAN FRANTZ</b>		Fax #:		3958 6 <sup>th</sup> Avenue NW																														
Address: <b>590 YANAGI VALLEY RD STE 200 WALNUT CREEK, CA 94596</b>		Email:		Seattle, WA 98107																														
Phone #: <b>925-935-9920</b>		Sampler's name: <b>C. Dayde J Aldrin</b>		Phone: 206-632-6206																														
PO #:		Client project ID: <b>ENX002</b>		Fax: 206-632-6017																														
		BRL project ID: <b>ENX002</b>		Email: <a href="mailto:samples@brooksrand.com">samples@brooksrand.com</a>																														
		www.brooksrand.com																																
Collection		Miscellaneous		Field Preservation		Analyses required					Comments																							
Date	Time	Sampler (initials)	Matrix type	# of containers	Sample field filtered (Y/N)	Unpreserved / ice only	HCl/HNO <sub>3</sub> /BrCl (circle one)	Other (specify)	Total Hg, EPA 1631	Methyl Hg, EPA 1630	Metals ICP-MS (specify)	As / Se species (specify)	% Solids	Filtration	Other <sup>As Cd Cr Cu Fe Ni Hg Pb</sup>	Other (specify)	Other (specify)																	
<b>Sample ID</b>																		1	02-3 RM 0.0	5/17/07	8:10	CDJA	H <sub>2</sub> O	2		X						X		
																		2	MFAR-3 RM 39.5	5/17	12:20	CDJA	H <sub>2</sub> O	2		X						X		
																		3	MFAR-4 RM 39.0	5/17	12:00	CDJA	H <sub>2</sub> O	2		X						X		
																		4	MFAR-6 RM 36.5	5/16	8:50	CDJA	H <sub>2</sub> O	2		X						X		
																		5	MFAR-5 RM 35.5	5/16	9:25	CDJA	H <sub>2</sub> O	2		X						X		
																		6	IR-1 RM 36.0	5/16	10:10	CDJA	H <sub>2</sub> O	2		X						X		
																		7	MFAR-1 RM 20.5	5/16	14:30	CDJA	H <sub>2</sub> O	2		X						X		
																		8	MFAR-11 RM 0.0	5/16	15:10	CDJA	H <sub>2</sub> O	2		X						X		
																		9	Field Blank 1	5/16	15:10	CDJA	H <sub>2</sub> O	2		X						X		
																		10																
Relinquished by: <b>Quater Juge</b>		Date: <b>5/17/07</b>		Time: <b>18:00</b>		Received by: <b>John Juge</b>		Date: <b>5/19/07</b>		Time: <b>10:00</b>																								
Relinquished by:		Date:		Time:		Received at BRL by:		Date:		Time:																								
Shipping carrier:		# of coolers:		BRL Tracking # <b>07BR0681</b>																														



**BROOKSRAND**  
TRACE METALS ANALYSIS & PRODUCTS

## Chain Of Custody Record

Page 1 of 1  
White: LAB COPY  
Yellow: CUSTOMER COPY

Client: ENTRIX		COC receipt confirmation? (Y / (N))		Ship to: Brooks Rand LLC																													
Contact: CORAUE DAYDE		If yes, by Fax / Email (circle one)		3958 6 <sup>th</sup> Avenue NW																													
Address: 590 YGNACIO VALLEY RD		Fax #:		Seattle, WA 98107																													
WALNUT CREEK, CA 94596		Email:		Phone: 206-632-6206																													
Phone #: 925-988-1234		Sampler's name: C DAYDE J ALDRIN		Fax: 206-632-6017																													
PO #:		Client project ID: ENX007		Email: samples@brooksrand.com																													
		BRL project ID: ENX007		www.brooksrand.com																													
Collection		Miscellaneous		Field Preservation		Analyses required					Comments																						
Date	Time	Sampler (initials)	Matrix type	# of containers	Sample field filtered (Y/N)	Unpreserved / ice only	HCl/HNO <sub>3</sub> /BrCl (circle one)	Other (specify)	Total Hg, EPA 1631	Methyl Hg, EPA 1630	Metals ICP-MS (specify)	As / Se species (specify)	% Solids	Filtration	Other (specify)	Other (specify)																	
<b>Sample ID</b>																	1	LCC-2-RM00	5/21	9:40	CDJA	H <sub>2</sub> O	2		X							As Cd Cr Cu Fe Ni Mg Pb	
																	2	RR-5 RM3.5	5/21	9:20	CDJA	H <sub>2</sub> O	2		X								
																	3	RR-6 RM3.0	5/21	10:15	CDJA	H <sub>2</sub> O	2		X								
																	4	HFAR-9 RM24.0	5/21	13:20	CDJA	H <sub>2</sub> O	2		X								
																	5	HFAR-8 RM24.5	5/21	14:00	CDJA	H <sub>2</sub> O	2		X								
																	6	RR-7 RM0.0	5/21	14:45	CDJA	H <sub>2</sub> O	2		X								
																	7																
																	8																
																	9																
																	10																
Relinquished by: Coraue Dayde		Date: 5/21/07		Time: 17:00		Received by:		Date:		Time:																							
Relinquished by:		Date:		Time:		Received at BRL by: <i>W. J. Aldrin</i>		Date: 5/23/07		Time: 08:30																							
Shipping carrier: FEDEX		# of coolers: 1		BRL Tracking #: 07BR0701																													