



BROOKSRAND
TRACE METALS ANALYSIS & PRODUCTS

November 22, 2007

Entrix, Inc
Jillian Aldrin
701 University Ave, Suite 200
Sacramento, CA 95825

RE: Brooks Rand Project: ENX002; Report #: 07BR1155, 07BR1361, 07BR1389,
07BR1397, 07BR1399

Dear Ms. Aldrin,

This report details the total and dissolved manganese (Mn) analysis of several water samples received August 8th through October 4th.

The samples were received, stored, prepared, and analyzed according to BRL standard operating procedures (SOPs) and EPA Method 1638 Modified. 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 0.45- μ m filtration units.

Results above the method detection limit (MDL) and less than or equal to the practical quantitation limit (PQL) have been qualified "B" and should be considered estimates. Please refer to the Quality Assurance (QA) Summary for QA details. All QA criteria were met with the exceptions detailed below.

Mn was detected in sample "Field Blank" (07BR1155-12) at a concentration above the PQL. However, the result was much less than the associated sample results and was therefore insignificant compared to the sample concentrations.

The results for samples "FM-A" (07BR1155-07), "FM-B" (07BR1155-08), and "FM-C" (07BR1155-09) were approximately eight times greater than the high calibration standard. All results for these samples have been qualified "J" and should be considered estimates.

The native and method duplicate (MD) analyses of sample "RR-4 RM 22.5" (07BR1361-31) yielded a relative percent difference (RPD) of 53%; therefore, this sample has been qualified "M" for exceeding the acceptance criterion. A matrix spike/matrix spike duplicate (MS/MSD) set was performed on this sample and produced excellent recoveries. All other QA criteria were met, including the analysis of five other MDs that demonstrated very good duplicate precision. Additionally, several MS/MSD sets prepared with this batch yielded recoveries within the control

Brooks Rand Labs

Project # ENX002; Tracking #07BR1155, 07BR1361,
07BR1389, 07BR1397, 07BR1399

limits and acceptable duplicate precision between the two results. Therefore, no further 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 Durdle
Project Manager
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: Jillian Aldrin

701 University Ave Suite 200

Sacramento CA 95825

Tel: 916-386-3824

Lab Project # ENX002

Lab Tracking # 07BR1155

Lab Services Agreement ENX002

Sample/Sampling/Receiving Info

Entrix, Inc.

BRL

Sample Identification	Sampling Date	Matrix	Submatrix	Sample Number	Receiving Date
FM-A	8/7/2007	Water		07BR1155 - 01	8/8/2007
FM-B	8/7/2007	Water		07BR1155 - 02	8/8/2007
FM-C	8/7/2007	Water		07BR1155 - 03	8/8/2007
FM-D	8/7/2007	Water		07BR1155 - 04	8/8/2007
FM-E	8/7/2007	Water		07BR1155 - 05	8/8/2007
Field Blank	8/7/2007	Water	Blank	07BR1155 - 06	8/8/2007
FM-A	8/7/2007	Water		07BR1155 - 07	8/8/2007
FM-B	8/7/2007	Water		07BR1155 - 08	8/8/2007
FM-C	8/7/2007	Water		07BR1155 - 09	8/8/2007
FM-D	8/7/2007	Water		07BR1155 - 10	8/8/2007
FM-E	8/7/2007	Water		07BR1155 - 11	8/8/2007
Field Blank	8/7/2007	Water	Blank	07BR1155 - 12	8/8/2007
FM-A	8/7/2007	Water		07BR1155 - 13	8/8/2007
FM-B	8/7/2007	Water		07BR1155 - 14	8/8/2007
FM-C	8/7/2007	Water		07BR1155 - 15	8/8/2007
FM-D	8/7/2007	Water		07BR1155 - 16	8/8/2007
FM-E	8/7/2007	Water		07BR1155 - 17	8/8/2007

Monday, November 26, 2007


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Lab Project # ENX002**Lab Tracking #** 07BR1155**Lab Services Agreement** ENX002**Mn**

Sample Identification	BRL Number	Total or Dissolved	Preparation date	Analysis date	Batch #	Result	Units	Qualifier (Q)
FM-A	07BR1155 - 07	D	8/13/2007	11/14/2007	07-1139b	4,040.000	µg/L	J
FM-B	07BR1155 - 08	D	8/13/2007	11/14/2007	07-1139b	3,610.000	µg/L	J
FM-C	07BR1155 - 09	D	8/13/2007	11/14/2007	07-1139b	3,860.000	µg/L	J
FM-D	07BR1155 - 10	D	8/13/2007	11/14/2007	07-1139b	62.600	µg/L	
FM-E	07BR1155 - 11	D	8/13/2007	11/14/2007	07-1139b	22.000	µg/L	
Field Blank	07BR1155 - 12	T	8/13/2007	11/14/2007	07-1139b	0.290	µg/L	

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Summary of Results for**Entrix, Inc.****Contact:** Jillian Aldrin

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Tel: 916-386-3824

Lab Project # ENX002**Lab Tracking #** 07BR1361**Lab Services Agreement** ENX002**Sample/Sampling/Receiving Info****Entrix, Inc.****BRL**

Sample Identification	Sampling Date	Matrix	Submatrix	Sample Number	Receiving Date
MFAR-5 RM 35.5	9/24/2007	Water		07BR1361 - 01	9/25/2007
MFAR-6 RM 36.5	9/24/2007	Water		07BR1361 - 02	9/25/2007
1R-1 RM 36.0	9/24/2007	Water		07BR1361 - 03	9/25/2007
MFAR-10 RM 9.0	9/24/2007	Water		07BR1361 - 04	9/25/2007
MFAR-5 RM 35.5	9/24/2007	Water		07BR1361 - 05	9/25/2007
MFAR-6 RM 36.5	9/24/2007	Water		07BR1361 - 06	9/25/2007
1R-1 RM 36.0	9/24/2007	Water		07BR1361 - 07	9/25/2007
MFAR-10 RM 9.0	9/24/2007	Water		07BR1361 - 08	9/25/2007
RA-1	9/26/2007	Water		07BR1361 - 09	9/25/2007
RA-1(S)	9/26/2007	Water		07BR1361 - 10	9/25/2007
MFAR-8 RM 24.5	9/26/2007	Water		07BR1361 - 11	9/25/2007
MFAR-9 RM 24.0	9/26/2007	Water		07BR1361 - 12	9/25/2007
Field Blank (RA)	9/26/2007	Water	Blank	07BR1361 - 13	9/25/2007
MFAR-7 RM 26.0	9/26/2007	Water		07BR1361 - 14	9/25/2007
RR-7 RM 0.0	9/26/2007	Water		07BR1361 - 15	9/25/2007
RR-3 RM 23.0	9/25/2007	Water		07BR1361 - 16	9/25/2007
RR-4 RM 22.5	9/25/2007	Water		07BR1361 - 17	9/25/2007
SFRR-1 RM 0.0	9/25/2007	Water		07BR1361 - 18	9/25/2007
NFAR-1 RM 20.5	9/25/2007	Water		07BR1361 - 19	9/25/2007
MFAR-11 RM 0.0	9/25/2007	Water		07BR1361 - 20	9/25/2007
DC-1 RM 8.5	9/25/2007	Water		07BR1361 - 21	9/25/2007
DC-2 RM 8.0	9/25/2007	Water		07BR1361 - 22	9/25/2007
RA-1	9/26/2007	Water		07BR1361 - 23	9/25/2007
RA-1(S)	9/26/2007	Water		07BR1361 - 24	9/25/2007
MFAR-8 RM 24.5	9/26/2007	Water		07BR1361 - 25	9/25/2007
MFAR-9 RM 24.0	9/26/2007	Water		07BR1361 - 26	9/25/2007
Field Blank (RA)	9/26/2007	Water	Blank	07BR1361 - 27	9/25/2007
MFAR-7 RM 26.0	9/26/2007	Water		07BR1361 - 28	9/25/2007
RR-7 RM 0.0	9/26/2007	Water		07BR1361 - 29	9/25/2007
RR-3 RM 23.0	9/25/2007	Water		07BR1361 - 30	9/25/2007
RR-4 RM 22.5	9/25/2007	Water		07BR1361 - 31	9/25/2007
SFRR-1 RM 0.0	9/25/2007	Water		07BR1361 - 32	9/25/2007
NFAR-1 RM 20.5	9/25/2007	Water		07BR1361 - 33	9/25/2007
MFAR-11 RM 0.0	9/25/2007	Water		07BR1361 - 34	9/25/2007
DC-1 RM 8.5	9/25/2007	Water		07BR1361 - 35	9/25/2007
DC-2 RM 8.0	9/25/2007	Water		07BR1361 - 36	9/25/2007

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Lab Project # ENX002


Lab Tracking # 07BR1361

Lab Services Agreement ENX002

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Sample Identification	BRL Number	Total or Dissolved	Preparation date	Analysis date	Batch #	Result	Units	Qualifier (Q)
MFAR-5 RM 35.5	07BR1361 - 05	D	8/13/2007	11/14/2007	07-1139b	1.200	µg/L	
MFAR-6 RM 36.5	07BR1361 - 06	D	8/13/2007	11/14/2007	07-1139b	4.970	µg/L	
1R-1 RM 36.0	07BR1361 - 07	D	8/13/2007	11/14/2007	07-1139b	1.100	µg/L	
MFAR-10 RM 9.0	07BR1361 - 08	D	8/13/2007	11/14/2007	07-1139b	3.560	µg/L	
RA-1	07BR1361 - 23	D	8/13/2007	11/14/2007	07-1139b	6.700	µg/L	
RA-1(S)	07BR1361 - 24	D	8/13/2007	11/14/2007	07-1139b	6.780	µg/L	
MFAR-8 RM 24.5	07BR1361 - 25	D	8/13/2007	11/14/2007	07-1139b	16.700	µg/L	
MFAR-9 RM 24.0	07BR1361 - 26	D	8/13/2007	11/14/2007	07-1139b	7.720	µg/L	
Field Blank (RA)	07BR1361 - 27	D	8/13/2007	11/14/2007	07-1139b	0.046	µg/L	B
MFAR-7 RM 26.0	07BR1361 - 28	D	8/13/2007	11/14/2007	07-1139b	0.937	µg/L	
RR-7 RM 0.0	07BR1361 - 29	D	8/13/2007	11/14/2007	07-1139b	0.404	µg/L	
RR-3 RM 23.0	07BR1361 - 30	D	8/13/2007	11/14/2007	07-1139b	0.188	µg/L	
RR-4 RM 22.5	07BR1361 - 31	D	8/13/2007	11/14/2007	07-1139b	0.114	µg/L	M
SFRR-1 RM 0.0	07BR1361 - 32	D	8/13/2007	11/14/2007	07-1139b	0.334	µg/L	
NFAR-1 RM 20.5	07BR1361 - 33	D	8/13/2007	11/14/2007	07-1139b	1.290	µg/L	
MFAR-11 RM 0.0	07BR1361 - 34	D	8/13/2007	11/14/2007	07-1139b	1.120	µg/L	
DC-1 RM 8.5	07BR1361 - 35	D	8/13/2007	11/14/2007	07-1139b	0.406	µg/L	
DC-2 RM 8.0	07BR1361 - 36	D	8/13/2007	11/14/2007	07-1139b	46.820	µg/L	

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Summary of Results for

Entrix, Inc.

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Lab Project # ENX002

Lab Tracking # 07BR1389

Lab Services Agreement ENX002


Sample/Sampling/Receiving Info

Entrix, Inc.

BRL

Sample Identification	Sampling Date	Matrix	Submatrix	Sample Number	Receiving Date
LCC-2 RM0.0	9/27/2007	Water		07BR1389 - 01	9/28/2007
RR-5 RM3.5	9/27/2007	Water		07BR1389 - 02	9/28/2007
RR-6 RM3.0	9/27/2007	Water		07BR1389 - 03	9/28/2007
LCC-2 RM0.0	9/27/2007	Water		07BR1389 - 04	9/28/2007
RR-5 RM3.5	9/27/2007	Water		07BR1389 - 05	9/28/2007
RR-6 RM3.0	9/27/2007	Water		07BR1389 - 06	9/28/2007

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Entrix, Inc.

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Lab Project # ENX002

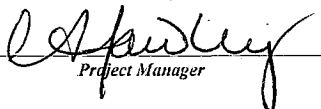
Lab Tracking # 07BR1389

Lab Services Agreement ENX002

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Sample Identification	BRL Number	Total or Dissolved	Preparation date	Analysis date	Batch #	Result	Units	Qualifier (Q)
LCC-2 RM0.0	07BR1389 - 04	D	8/13/2007	11/14/2007	07-1139b	0.636	µg/L	
RR-5 RM3.5	07BR1389 - 05	D	8/13/2007	11/14/2007	07-1139b	0.183	µg/L	
RR-6 RM3.0	07BR1389 - 06	D	8/13/2007	11/14/2007	07-1139b	0.203	µg/L	

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Summary of Results for

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Lab Project # ENX002

Lab Tracking # 07BR1397

Lab Services Agreement ENX002


Sample/Sampling/Receiving Info

Entrix, Inc.

BRL

Sample Identification	Sampling Date	Matrix	Submatrix	Sample Number	Receiving Date
HH-1	10/1/2007	Water		07BR1397 - 01	10/3/2007
HH-1 (S)	10/1/2007	Water		07BR1397 - 02	10/3/2007
HH-2	10/1/2007	Water		07BR1397 - 03	10/3/2007
HH-2 (S)	10/1/2007	Water		07BR1397 - 04	10/3/2007
HH-1	10/1/2007	Water		07BR1397 - 05	10/3/2007
HH-1 (S)	10/1/2007	Water		07BR1397 - 06	10/3/2007
HH-2	10/1/2007	Water		07BR1397 - 07	10/3/2007
HH-2 (S)	10/1/2007	Water		07BR1397 - 08	10/3/2007

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Summary of Results for

Entrix, Inc.

Contact: Jillian Aldrin

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Lab Project # ENX002


Lab Tracking # 07BR1397

Lab Services Agreement ENX002

Mn

Sample Identification	BRL Number	Total or Dissolved	Preparation date	Analysis date	Batch #	Result	Units	Qualifier (Q)
HH-1	07BR1397 - 05	D	8/13/2007	11/14/2007	07-1139b	0.391	µg/L	
HH-1 (S)	07BR1397 - 06	D	8/13/2007	11/14/2007	07-1139b	0.871	µg/L	
HH-2	07BR1397 - 07	D	8/13/2007	11/14/2007	07-1139b	0.479	µg/L	
HH-2 (S)	07BR1397 - 08	D	8/13/2007	11/14/2007	07-1139b	0.354	µg/L	

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Summary of Results for**Entrix, Inc.****Contact:** Jillian Aldrin

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Lab Project # ENX002**Lab Tracking #** 07BR1399**Lab Services Agreement** ENX002**Sample/Sampling/Receiving Info****Entrix, Inc.****BRL**

Sample Identification	Sampling Date	Matrix	Submatrix	Sample Number	Receiving Date
MFAR-1 RM51.5	10/3/2007	Water		07BR1399 - 01	10/4/2007
MFAR-2 RM46.5	10/3/2007	Water		07BR1399 - 02	10/4/2007
RR-2	10/3/2007	Water		07BR1399 - 03	10/4/2007
FM-1	10/3/2007	Water		07BR1399 - 04	10/4/2007
FM-1(S)	10/3/2007	Water		07BR1399 - 05	10/4/2007
FM-2	10/3/2007	Water		07BR1399 - 06	10/4/2007
FM-2(S)	10/3/2007	Water		07BR1399 - 07	10/4/2007
FM-3	10/3/2007	Water		07BR1399 - 08	10/4/2007
FM-3(S)	10/3/2007	Water		07BR1399 - 09	10/4/2007
Field Blank	10/3/2007	Water	Blank	07BR1399 - 10	10/4/2007
Field Blank 2	10/3/2007	Water		07BR1399 - 11	10/4/2007
LCC-1 RM 0.0	10/2/2007	Water		07BR1399 - 12	10/4/2007
SFLCC-3	10/2/2007	Water		07BR1399 - 13	10/4/2007
NFLCC-3	10/2/2007	Water		07BR1399 - 14	10/4/2007
NFLCC-1 RM2.5	10/2/2007	Water		07BR1399 - 15	10/4/2007
NFLCC-2 RM3.0	10/2/2007	Water		07BR1399 - 16	10/4/2007
SFLCC-1 RM2.0	10/2/2007	Water		07BR1399 - 17	10/4/2007
SFLCC-2 RM2.5	10/2/2007	Water		07BR1399 - 18	10/4/2007
RR-1	10/2/2007	Water		07BR1399 - 19	10/4/2007
HH-3	10/2/2007	Water		07BR1399 - 20	10/4/2007
HH-3(S)	10/2/2007	Water		07BR1399 - 21	10/4/2007
Field Blank 3	10/2/2007	Water	Blank	07BR1399 - 22	10/4/2007
MFAR-1 RM51.5	10/3/2007	Water		07BR1399 - 23	10/4/2007
MFAR-2 RM46.5	10/3/2007	Water		07BR1399 - 24	10/4/2007
RR-2	10/3/2007	Water		07BR1399 - 25	10/4/2007
FM-1	10/3/2007	Water		07BR1399 - 26	10/4/2007
FM-1(S)	10/3/2007	Water		07BR1399 - 27	10/4/2007
FM-2	10/3/2007	Water		07BR1399 - 28	10/4/2007
FM-2(S)	10/3/2007	Water		07BR1399 - 29	10/4/2007
FM-3	10/3/2007	Water		07BR1399 - 30	10/4/2007
FM-3(S)	10/3/2007	Water		07BR1399 - 31	10/4/2007
Field Blank	10/3/2007	Water	Blank	07BR1399 - 32	10/4/2007
Field Blank 2	10/3/2007	Water		07BR1399 - 33	10/4/2007
LCC-1RM0.0	10/2/2007	Water		07BR1399 - 34	10/4/2007
SFLCC-3	10/2/2007	Water		07BR1399 - 35	10/4/2007
NFLCC-3	10/2/2007	Water		07BR1399 - 36	10/4/2007
NFLCC-1 RM2.5	10/2/2007	Water		07BR1399 - 37	10/4/2007
NFLCC-2 RM3.0	10/2/2007	Water		07BR1399 - 38	10/4/2007
SFLCC-1 RM2.0	10/2/2007	Water		07BR1399 - 39	10/4/2007
SFLCC-2 RM2.5	10/2/2007	Water		07BR1399 - 40	10/4/2007
RR-1	10/2/2007	Water		07BR1399 - 41	10/4/2007
HH-3	10/2/2007	Water		07BR1399 - 42	10/4/2007
HH-3(S)	10/2/2007	Water		07BR1399 - 43	10/4/2007
Field Blank 3	10/2/2007	Water	Blank	07BR1399 - 44	10/4/2007

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Lab Project # ENX002

Lab Tracking # 07BR1399

Lab Services Agreement ENX002

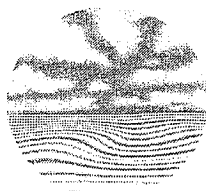
Mn

Sample Identification	BRL Number	Total or Dissolved	Preparation date	Analysis date	Batch #	Result	Units	Qualifier (Q)
MFAR-1 RM51.5	07BR1399 - 23	D	8/13/2007	11/14/2007	07-1139b	1.520	µg/L	
MFAR-2 RM46.5	07BR1399 - 24	D	8/13/2007	11/14/2007	07-1139b	57.700	µg/L	
RR-2	07BR1399 - 25	D	8/13/2007	11/14/2007	07-1139b	44.900	µg/L	
FM-1	07BR1399 - 26	D	8/13/2007	11/14/2007	07-1139b	1.800	µg/L	
FM-1(S)	07BR1399 - 27	D	8/13/2007	11/14/2007	07-1139b	0.299	µg/L	
FM-2	07BR1399 - 28	D	8/13/2007	11/14/2007	07-1139b	0.355	µg/L	
FM-2(S)	07BR1399 - 29	D	8/13/2007	11/14/2007	07-1139b	0.570	µg/L	
FM-3	07BR1399 - 30	D	8/13/2007	11/14/2007	07-1139b	1.850	µg/L	
FM-3(S)	07BR1399 - 31	D	8/13/2007	11/14/2007	07-1139b	0.595	µg/L	
Field Blank	07BR1399 - 32	D	8/13/2007	11/14/2007	07-1139b	0.019	µg/L	B
Field Blank 2	07BR1399 - 33	D	8/13/2007	11/14/2007	07-1139b	0.030	µg/L	B
LCC-1RM0.0	07BR1399 - 34	D	8/13/2007	11/14/2007	07-1139b	0.703	µg/L	
SFLCC-3	07BR1399 - 35	D	8/13/2007	11/14/2007	07-1139b	0.434	µg/L	
NFLCC-3	07BR1399 - 36	D	8/13/2007	11/14/2007	07-1139b	0.716	µg/L	
NFLCC-1 RM2.5	07BR1399 - 37	D	8/13/2007	11/14/2007	07-1139b	0.097	µg/L	
NFLCC-2 RM3.0	07BR1399 - 38	D	8/13/2007	11/14/2007	07-1139b	21.200	µg/L	
SFLCC-1 RM2.0	07BR1399 - 39	D	8/13/2007	11/14/2007	07-1139b	1.020	µg/L	
SFLCC-2 RM2.5	07BR1399 - 40	D	8/13/2007	11/14/2007	07-1139b	6.700	µg/L	
RR-1	07BR1399 - 41	D	8/13/2007	11/14/2007	07-1139b	0.847	µg/L	
HH-3	07BR1399 - 42	D	8/13/2007	11/14/2007	07-1139b	0.696	µg/L	
HH-3(S)	07BR1399 - 43	D	8/13/2007	11/14/2007	07-1139b	1.190	µg/L	
Field Blank 3	07BR1399 - 44	D	8/13/2007	11/14/2007	07-1139b	0.024	µg/L	B

Monday, November 26, 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 #: 07-1139b

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

Analyte: Manganese

Matrix: Water

BIAS Criteria: Recovery = 75-125%			
Certified Reference Materials (CRM)			
CRM ID	Certified Value µg/L	Measured Value µg/L	Recovery %
NIST 1640	121.5	124.8	103%
NIST 1643e	38.97	42.01	108%

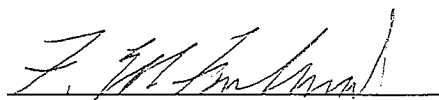
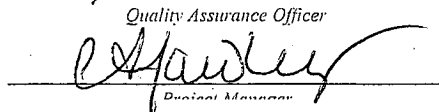
BIAS Criteria: Recovery = 50-150%, RPD ≤ 15%								
Matrix Spike and Matrix Spike Duplicate Analysis (MS/MSD)								
Sample ID	Sample Value µg/L	Matrix Spike			Matrix Spike Duplicate			RPD %
		Spiked Value µg/L	Measured Value µg/L	MS Recovery %	Spiked Value µg/L	Measured Value µg/L	MS Recovery %	
07BR1155-07	4044	100.0	4137	N/A*	100.0	3994	N/A*	4%
07BR1361-08	3.560	100.0	107.8	104%	100.0	109.9	106%	2%
07BR1361-31	0.114	100.0	106.3	106%	100.0	101.1	101%	5%
07BR1397-05	0.391	100.0	106.3	106%	100.0	106.3	106%	0%
07BR1399-28	0.355	100.0	102.0	102%	100.0	104.3	104%	2%
07BR1399-38	21.16	100.0	129.6	108%	100.0	119.8	99%	8%

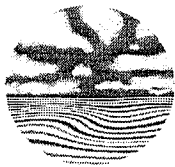
* Sample underspiked. Results reported for duplicate comparison purposes.

PRECISION Criteria: RPD ≤ 15% or results +/- PQL if ≤ 5x PQL				
Method Duplicate Analysis (MD)				
Sample ID	Sample Value µg/L	Duplicate Value µg/L	Average Value µg/L	Duplicate RPD
07BR1155-07	4044	4164	4104	3%
07BR1361-08	3.560	3.667	3.614	3%
07BR1361-31	0.114	0.195	0.154	53%*
07BR1397-05	0.391	0.332	0.362	16%
07BR1399-28	0.355	0.377	0.366	6%
07BR1399-38	21.16	20.37	20.77	4%

* Fails to meet duplicate precision. See narrative.

Method Blanks Criteria: Avg. < PQL and StDev < MDL or < 1/10th sample result						Method Detection Limits	
MB1 µg/L	MB2 µg/L	MB3 µg/L	MB4 µg/L	Average µg/L	StDev µg/L	MDL µg/L	PQL µg/L
-0.004	-0.005	-0.004	0.000	-0.004	0.002	0.010	0.050


Quality Assurance Officer

Director Manager



BROOKSRAND
TRACE METALS ANALYSIS & PRODUCTS

3958 6th Avenue NW

Seattle, WA 98107

www.brooksrand.com

Phone: 206-632-6206

Fax: 206-632-6017

Email: brl@brooksrand.com

Sample Receiving Log

Tracking # **07BR1155**

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 °C

Shipping container coolant: Ice

Sample Turnaround Time: 108

Contract Turnaround Time: 28 days

Due Date: 11/24/2007

Receiving Date: 8/8/2007

Receiving Time: 9:00 AM

Logged-in by: Katie Jahanmir

Log-in Date: 8/8/2007

Log-in Time: 12:26 PM

Airbill present? Yes

Airbill # 862166261471

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 #: FM-A

Collection Date/Time: 8/7/2007, 10:15:00 AM

Container Type and Lot #: FLPE bottle, 07-032

Size: 250-mL

Matrix/Sub-Matrix: Water,

Preservation: none

Acid Lot#: n/a

pH:

Filtered?: No

Sample Storage Location: Cabinet #5

Comments:

Analysis / Method: Hg

EPA 1631

02

Sample Tag #: FM-B

Collection Date/Time: 8/7/2007, 10:50:00 AM

Container Type and Lot #: FLPE bottle, 07-032

Size: 250-mL

Matrix/Sub-Matrix: Water,

Preservation: none

Acid Lot#: n/a

pH:

Filtered?: No

Sample Storage Location: Cabinet #5

Comments:

Analysis / Method: Hg

EPA 1631

03

Sample Tag #: FM-C

Collection Date/Time: 8/7/2007, 11:10:00 AM

Container Type and Lot #: FLPE bottle, 07-032

Size: 250-mL

Matrix/Sub-Matrix: Water,

Preservation: none

Acid Lot#: n/a

pH:

Filtered?: No

Sample Storage Location: Cabinet #5

Comments:

Analysis / Method: Hg

EPA 1631

Lab ID:

04 Sample Tag #: FM-D Matrix/Sub-Matrix: Water,
Collection Date/Time: 8/7/2007, 12:00:00 PM Preservation: none
ContainerType and Lot #: FLPE bottle, 07-032 Acid Lot#: n/a
Size: 250-mL pH: Filtered?: No
Sample Storage Location: Cabinet #5

Comments:

Analysis / Method: Hg EPA 1631

05 Sample Tag #: FM-E Matrix/Sub-Matrix: Water,
Collection Date/Time: 8/7/2007, 12:30:00 PM Preservation: none
ContainerType and Lot #: FLPE bottle, Acid Lot#: n/a
Size: 500-mL pH: Filtered?: No
Sample Storage Location: Cabinet #5

Comments:

Analysis / Method: Hg EPA 1631

06 Sample Tag #: Field Blank Matrix/Sub-Matrix: Water, Blank
Collection Date/Time: 8/7/2007, 12:45:00 PM Preservation: none
ContainerType and Lot #: FLPE bottle, 07-032 Acid Lot#: n/a
Size: 250-mL pH: Filtered?: No
Sample Storage Location: Cabinet #5

Comments:

Analysis / Method: Hg EPA 1631 Do Not Spike

07 Sample Tag #: FM-A Matrix/Sub-Matrix: Water,
Collection Date/Time: 8/7/2007, 10:15:00 AM Preservation: none
ContainerType and Lot #: HDPE bottle, 07-092 Acid Lot#: n/a
Size: 250-mL pH: Filtered?: Yes
Sample Storage Location: Cabinet #5

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

08 Sample Tag #: FM-B Matrix/Sub-Matrix: Water,
Collection Date/Time: 8/7/2007, 10:50:00 AM Preservation: none
ContainerType and Lot #: HDPE bottle, 07-092 Acid Lot#: n/a
Size: 250-mL pH: Filtered?: Yes
Sample Storage Location: Cabinet #5

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)

Lab ID:

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

09	Sample Tag #:	FM-C	Matrix/Sub-Matrix:	Water,
	Collection Date/Time:	8/7/2007, 11:10:00 AM	Preservation:	none
	ContainerType and Lot #:	HDPE bottle, 07-092	Acid Lot#:	n/a
	Size:	250-mL	pH:	
			Sample Storage Location:	Cabinet #5
			Filtered?:	Yes

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

10	Sample Tag #:	FM-D	Matrix/Sub-Matrix:	Water,
	Collection Date/Time:	8/7/2007, 12:00:00 PM	Preservation:	none
	ContainerType and Lot #:	HDPE bottle, 07-092	Acid Lot#:	n/a
	Size:	250-mL	pH:	
			Sample Storage Location:	Cabinet #5
			Filtered?:	Yes

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

11	Sample Tag #:	FM-E	Matrix/Sub-Matrix:	Water,
	Collection Date/Time:	8/7/2007, 12:30:00 PM	Preservation:	none
	ContainerType and Lot #:	HDPE bottle, 07-092	Acid Lot#:	n/a
	Size:	250-mL	pH:	
			Sample Storage Location:	Cabinet #5
			Filtered?:	Yes

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:	Mn	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 #: Field Blank
Collection Date/Time: 8/7/2007, 12:45:00 PM
ContainerType and Lot #: HDPE bottle, 07-092
Size: 250-mL

Matrix/Sub-Matrix: Water, Blank
Preservation: none
Acid Lot#: n/a
pH:
Filtered?: No
Sample Storage Location: Cabinet #5

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:	Mn	EPA 1638 Mod. (ICP-MS)	
Analysis / Method:	Ni	EPA 1638 Mod. (ICP-MS)	Do Not Spike
Analysis / Method:	Pb	EPA 1638 Mod. (ICP-MS)	Do Not Spike

13

Sample Tag #: FM-A
Collection Date/Time: 8/7/2007, 10:15:00 AM
ContainerType and Lot #: HDPE bottle, 07-092
Size: 250-mL

Matrix/Sub-Matrix: Water,
Preservation: none
Acid Lot#: n/a
pH:
Filtered?: No
Sample Storage Location: Cabinet #5

Comments:

Analysis / Method:	Ca	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Hardness	SM 2340 B (Calculation)
Analysis / Method:	Mg	EPA 1638 Mod. (ICP-MS)

14

Sample Tag #: FM-B
Collection Date/Time: 8/7/2007, 10:50:00 AM
ContainerType and Lot #: HDPE bottle, 07-092
Size: 250-mL

Matrix/Sub-Matrix: Water,
Preservation: none
Acid Lot#: n/a
pH:
Filtered?: No
Sample Storage Location: Cabinet #5

Comments:

Analysis / Method:	Ca	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Hardness	SM 2340 B (Calculation)
Analysis / Method:	Mg	EPA 1638 Mod. (ICP-MS)

15

Sample Tag #: FM-C
Collection Date/Time: 8/7/2007, 11:10:00 AM
ContainerType and Lot #: HDPE bottle, 07-092
Size: 250-mL

Matrix/Sub-Matrix: Water,
Preservation: none
Acid Lot#: n/a
pH:
Filtered?: No
Sample Storage Location: Cabinet #5

Comments:

Analysis / Method:	Ca	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Hardness	SM 2340 B (Calculation)
Analysis / Method:	Mg	EPA 1638 Mod. (ICP-MS)

16

Sample Tag #: FM-D
Collection Date/Time: 8/7/2007, 12:00:00 PM
ContainerType and Lot #: HDPE bottle, 07-092
Size: 250-mL

Matrix/Sub-Matrix: Water,
Preservation: none
Acid Lot#: n/a
pH:
Filtered?: No
Sample Storage Location: Cabinet #5

Comments:

Lab ID:

Analysis / Method:	Ca	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Hardness	SM 2340 B (Calculation)
Analysis / Method:	Mg	EPA 1638 Mod. (ICP-MS)

17

Sample Tag #: FM-E

Collection Date/Time: 8/7/2007, 12:30:00 PM

ContainerType and Lot #: HDPE bottle, 07-092

Size: 250-mL

Matrix/Sub-Matrix: Water,

Preservation: none

Acid Lot#: n/a


pH:

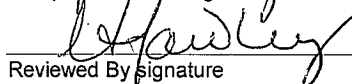
Filtered?: No

Sample Storage Location: Cabinet #5

Comments:

Analysis / Method:	Ca	EPA 1638 Mod. (ICP-MS)
Analysis / Method:	Hardness	SM 2340 B (Calculation)
Analysis / Method:	Mg	EPA 1638 Mod. (ICP-MS)

 10/29/07 updated
Sample Custodian signature Date


Reviewed By signature Date