

F7E100384

CLIENT ANALYSIS SUMMARY

Storage Loc:

SUB

Project Manager: JAE Quote #: 75203 SDG: ENSR051007
Project: PHASE A WELLS Henderson, NV Source Area Inv.
PO#: Report to: Robert Kennedy
Client: 456833 ENSR International Corporation

Date Received: 2007-05-10
Analytical Due Date: 2007-05-28
Report Due Date: 2007-05-31
Report Type: D Expanded Deliverable
EDD Code: EQUISTICS

Sample Receipt Notification Required - Robert Kennedy Client will ship sub-contracted samples direct to labs STL St. Louis will log in all the samples in St. Louis from
COC's provided in the coolers. (Duplicate chains should be pink) RAW DATA PACKAGES REQUIRED PLEASE REPORT BY SDG STL LA - Hexavalent Chromium
STL Richland - RAD QC Requirements: ALL TESTS
Client will specify QC on COC. Do not report other client batch QC with ENSR results. If a batch does not have client specified QC pick a sample for QC, if insufficient

Table with 7 columns: SAMPLE #, CLIENT SAMPLE ID, Site ID, Client Matrix, DATE/TIME SAMPLED, WORKORDER, and a final column with '!' and 'WATER'. Row 1: 1, M100-L, 2007-05-09 / 645, JWP17, WATER. Includes sample comments for XX TE and XX TF.

Table with 7 columns: SAMPLE #, CLIENT SAMPLE ID, Site ID, Client Matrix, DATE/TIME SAMPLED, WORKORDER, and a final column with '!' and 'WATER'. Row 1: 2, M100-F, 2007-05-09 / 715, JWP18, WATER. Includes sample comments for XX TE and XX TF.

Table with 7 columns: SAMPLE #, CLIENT SAMPLE ID, Site ID, Client Matrix, DATE/TIME SAMPLED, WORKORDER, and a final column with '!' and 'WATER'. Row 1: 3, M100-Z, 2007-05-09 / 730, JWP19, WATER. Includes sample comments for XX TE and XX TF.

Table with 7 columns: SAMPLE #, CLIENT SAMPLE ID, Site ID, Client Matrix, DATE/TIME SAMPLED, WORKORDER, and a final column with '!' and 'WATER'. Row 1: 4, M2A-L, 2007-05-09 / 835, JWP2A, WATER. Includes sample comments for XX TE and XX TF.

Table with 7 columns: SAMPLE #, CLIENT SAMPLE ID, Site ID, Client Matrix, DATE/TIME SAMPLED, WORKORDER, and a final column with '!' and 'WATER'. Row 1: 5, M2A-F, 2007-05-09 / 930, JWP2C, WATER. Includes sample comments for XX TE and XX TF.

Table with 7 columns: SAMPLE #, CLIENT SAMPLE ID, Site ID, Client Matrix, DATE/TIME SAMPLED, WORKORDER, and a final column with '!' and 'WATER'. Row 1: 6, M2A-Z, 2007-05-09 / 910, JWP2D, WATER. Includes sample comments for XX TE and XX TF.

Table with 7 columns: SAMPLE #, CLIENT SAMPLE ID, Site ID, Client Matrix, DATE/TIME SAMPLED, WORKORDER, and a final column with '!' and 'WATER'. Row 1: 7, M13-L, 2007-05-09 / 1035, JWP2E, WATER. Includes sample comments for XX TE and XX TF.

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#SMPS in LOT: 15

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STL Richland - RAD QC Requirements: ALL TESTS
Client will specify QC on COC. Do not report other client batch QC with ENSR results. If a batch does not have client specified QC pick a sample for QC, if insufficient

Table with 7 columns: SAMPLE #, CLIENT SAMPLE ID, Site ID, Client Matrix, DATE/TIME SAMPLED, WORKORDER, and a final column with WRK, LOC, and a number. Row 8: M13-F, 2007-05-09 / 1130, JWP2F, WATER.

Table with 7 columns: SAMPLE #, CLIENT SAMPLE ID, Site ID, Client Matrix, DATE/TIME SAMPLED, WORKORDER, and a final column with WRK, LOC, and a number. Row 9: M13-Z, 2007-05-09 / 1115, JWP2G, WATER.

Table with 7 columns: SAMPLE #, CLIENT SAMPLE ID, Site ID, Client Matrix, DATE/TIME SAMPLED, WORKORDER, and a final column with WRK, LOC, and a number. Row 10: M76-L, 2007-05-09 / 1245, JWP2H, WATER.

Table with 7 columns: SAMPLE #, CLIENT SAMPLE ID, Site ID, Client Matrix, DATE/TIME SAMPLED, WORKORDER, and a final column with WRK, LOC, and a number. Row 11: M76-F, 2007-05-09 / 1305, JWP2J, WATER.

Table with 7 columns: SAMPLE #, CLIENT SAMPLE ID, Site ID, Client Matrix, DATE/TIME SAMPLED, WORKORDER, and a final column with WRK, LOC, and a number. Row 12: M76-Z, 2007-05-09 / 1335, JWP2K, WATER.

Table with 7 columns: SAMPLE #, CLIENT SAMPLE ID, Site ID, Client Matrix, DATE/TIME SAMPLED, WORKORDER, and a final column with WRK, LOC, and a number. Row 13: M31A-F, 2007-05-09 / 1435, JWP2L, WATER.

Table with 7 columns: SAMPLE #, CLIENT SAMPLE ID, Site ID, Client Matrix, DATE/TIME SAMPLED, WORKORDER, and a final column with WRK, LOC, and a number. Row 14: M31A-Z, 2007-05-09 / 1415, JWP2N, WATER.

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EDD Code: EQUISTICS

#SMPS in LOT: 15

Sample Receipt Notification Required - Robert Kennedy Client will ship sub-contracted samples direct to labs STL St. Louis will log in all the samples in St. Louis from
COC's provided in the coolers. (Duplicate chains should be pink) RAW DATA PACKAGES REQUIRED PLEASE REPORT BY SDG STL LA - Hexavalent Chromium
STL Richland - RAD QC Requirements: ALL TESTS
Client will specify QC on COC. Do not report other client batch QC with ENSR results. If a batch does not have client specified QC pick a sample for QC, if insufficient

Table with 10 columns: XX, SR, NONE, Uiso by, Uranium-234,235,238 by Alpha, 7Y, Uiso PrpRC5016/5086, 01, STANDARD TEST SET, PROT: R, WRK, 10

Table with 6 columns: SAMPLE #, CLIENT SAMPLE ID, Site ID, Client Matrix, DATE/TIME SAMPLED, WORKORDER |

SAMPLE COMMENTS:

Table with 10 columns: XX, TE, NONE, Ra-226 by, Ba-133 by NaI & Ra-226 by, BU, Ra-226/228, 01, STANDARD TEST SET, PROT: R, WRK, 10

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CLIENT COMMENTS SUMMARY

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EDD Code: EQUISTICS

#SMPS in LOT: 15

Sample Receipt Notification Required - Robert Kennedy
Client will ship sub-contracted samples direct to labs
STL St. Louis will log in all the samples in St. Louis from
COC's provided in the coolers. (Duplicate chains should be
pink) RAW DATA PACKAGES REQUIRED PLEASE REPO
STL LA - Hexavalent Chromium
STL Richland - RAD

QC Requirements: ALL TESTS
Client will specify QC on COC. Do not report other client
batch QC with ENSR results. If a batch does not have
client specified QC pick a sample for QC, if insufficient
sample volume run LCS/LCSD.
RAW DATA PACKAGES REQUIRED - PLEASE REPORT B
Please try to maximize ENSR batches when possible.

WET CHEM QC:
Batching rules above apply: MS/MSDs should be logged in and
run as standard QC for all applicable wet chemistry TESTS
when client specified QC is requested.

RAD QC:
Standard rad QC is acceptable - Duplicates should be logged
in for RAD tests when client specified QC is requested.
Sample volume issues/ QC failures - Client wishes to be
notified of major QC issues resulting in qualified data.
Client may wish to re-sample rather than report out of
hold data or other major QC failures that could be corrected
with additional sample volume. Please notified PM
immediately if this situation occurs.

Metals Serial Dilution forms %D's are to be manually
calculated for all positive results.
METALS ICP/MS Internal Standards forms - % recoveries must
be manually generated.
METALS Mercury ICB/CCB forms are to be reviewed for
truncated errors (0.0) values. The correct values are to be
manually entered.

STL St. Louis
13715 Rider Trail North

Earth City, MO 63045
phone 314-298-8566 fax 314-298-8757



STL

Chain of Custody Record

Client Contact
ENSR
2 Technology Park Dr.
Westford/MA/01886-3140
(978) 589-3324 Phone
(978) 589-3282 FAX
Project Name: Source Area Investigation
Site: Henderson, NV
P O #

Project Manager: Robert Kennedy
Tel/Fax: (978) 589-3324
Analysis Turnaround Time
Calendar (C) or Work Days (W) 21 days
TAT if different from Below
 2 weeks
 1 week
 2 days
 1 day

Site Contact: Brian Ho Date: 5-9-07
Lab Contact: Melania Harris Carrier: Fed Ex
Jerry Everett

Job No. 04020-023-401
SDG No.
COC No: 050907-5 of 2 COCs

Sample Identification

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Metals, Total (601B)	Metals, Dissolved (601B)	VOCs (8260B/5035**)	SVOCs (8270C)	SVOCs (8270 SIM)	PCBs (8082)	TPH (8015M/5035** /3550)	Perchlorate (3140)	OCPs (8081A)	OCHs (8151)	General Chemistry	Fuel Alcohols (8015B)	Sample Specific Notes:
M100-L	5/10/07	0645		W	1	X												
M100-F		0715		W	1	X												
M100-Z		0730		W	1	X												
MAA-L		0835		W	1	X												
MAA-F		0930		W	1	X												
MAA-Z		0910		W	1	X												
M13-L		1035		W	1	X												
M13-F		1130		W	1	X												
M13-Z		1115		W	1	X												
M76-L		1245		W	1	X												
M76-F		1305		W	1	X												
M76-Z		1415 ²⁰		W	1	X												
		1335																

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown
 Return To Client Disposal By Lab Archive For _____ Months

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Special Instructions/QC Requirements & Comments:
Coordinate sample reception with ~~Melania Harris~~ (STL - St. Louis)
Jerry Everett

Relinquished by: ZOE DIERMIER Company: ENSR Date/Time: 1645 5/9/07
 Relinquished by: _____ Company: _____ Date/Time: _____
 Relinquished by: _____ Company: _____ Date/Time: _____

Received by: Fedex Company: _____ Date/Time: _____
 Received by: Cynthia Brown Company: STL Date/Time: 5-10-07 9:10
 Received by: _____ Company: _____ Date/Time: _____

STL

Lot #(s): _____

- 1266 - _____

F7E100.310 (HC)

F7E100.313

384

Condition Upon Receipt Form

Client: Tronox

COC/RFA No: _____

050907-6Date: 5-10-07

Quote No: _____

Initiated By: _____

ABTime: 9:10

Shipping Information

Shipper Name: Fed Ex

Shipping # (s):*

Multiple Packages Y N

Sample Temperature (s):**

1. 8607 8345 5136 6. _____

2. _____ 7. _____

3. _____ 8. _____

4. _____ 9. _____

5. _____ 10. _____

1. 2 6. _____

2. _____ 7. _____

3. _____ 8. _____

4. _____ 9. _____

5. _____ 10. _____

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	Was sample received broken?	8.	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	Sample received with Chain of Custody?
2.	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/> N/A	Was sample received with proper pH ¹ ? (If not, make note below)	9.	<input type="radio"/> Y <input checked="" type="radio"/> N	Chain of Custody matches sample ID's on container(s)?
3.	<input type="radio"/> Y <input checked="" type="radio"/> N	If N/A-Was pH taken by original STL Lab?	10.	<input checked="" type="radio"/> Y <input type="radio"/> N	Are there custody seals present on cooler?
4.	<input checked="" type="radio"/> Y <input type="radio"/> N	Sample received in proper containers?	11.	<input type="radio"/> Y <input checked="" type="radio"/> N <input type="radio"/> N/A	Do custody seals on cooler appear to be tampered with?
5.	<input checked="" type="radio"/> Y <input type="radio"/> N	Sample volume sufficient for analysis?	12.	<input type="radio"/> Y <input checked="" type="radio"/> N	Are there custody seals present on bottles?
6.	<input type="radio"/> Y <input checked="" type="radio"/> N <input checked="" type="radio"/> N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)	13.	<input type="radio"/> Y <input checked="" type="radio"/> N <input checked="" type="radio"/> N/A	Do custody seals on bottles appear to be tampered with?
7.	<input checked="" type="radio"/> Y <input type="radio"/> N	Were contents of cooler frisked after opening, but before unpacking?	14.	<input type="radio"/> Y <input checked="" type="radio"/> N	Was Internal COC/Workshare received?

¹ For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes:

The sample id on the COC for EB050709 - Z does not match the sample id EB050907 - Z.

Corrective Action:

 Client Contact Name: Robert Kennedy Brien Sample(s) processed "as is" Sample(s) on hold until: _____Informed by: Jerry A. EwertProject Management Review: Jerry A. EwertDate: 5-11-07

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.