

**FIELD SCREENING
FINAL DATA DELIVERABLE COVER SHEET**

Date: Monday, October 22, 2007

Sample Authorization Form (SAF) Number: F02-002

SDG Number (assigned by Sample Management): FP0504 *Dayes* 10/30/07

Attachments (check all that apply or N/A):

<u>X</u>	Test Results
<u>N/A</u>	Narrative Summary
<u>X</u>	Chain of Custody(s)
<u>X</u>	Logbook Pages
<u>N/A</u>	Anomaly Report

Total number of pages (including cover sheet): 4

Comments:

200-ZP-1 Process Sampling and Analysis- VOA - Air

RECEIVED

OCT 22 2007

Philip M. [Signature]

Analyst Signature

M. A. [Signature]

Reviewer's Signature

OCT 22 2007

Date

OCT 22 2007

Date

Distribution: CPP Sample Management A0-21
Project (Specify)

Requires distribution to listed project personnel by Sample Management (check if applicable)

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MAY 22 2008

EDMC

00000001

200-ZP-1 Phase III Pump and Treat System
Process Monitoring Field Screening Results
Advanced Data Copy, SAF F02-002, B & K 1302

10/18/2007

SAMPLE RESULTS

Sample Location	HEIS Number	Well Number	Pump Intake Depth (ft)	Sample/Analysis Date	Sample Time	AIR ANALYSES		
						TCM (ppmv)	CCl ₄ (ppmv)	TCE (ppmv)
Stack Effluent (Z-A3-01)	B1R3R8	N/A	N/A	10/18/07	10:54	<1.0	<1.0	Not Analyzed
Post Chiller Air (Z-A2-01)	B1R3R7	N/A	N/A	10/18/07	10:50	<1.0	8.46	Not Analyzed

00000002

200-ZP-1 Process Air
Analysis

M.A. BAECHLER / M.G. Baechler

OCT 22 2007

200-ZP-1 Daily Activity Log
(Logbook HNF-N-296 10 / SAF F02-002)

Date: 10/18/2007

1000	P.M. Gent on-site at MO-612 field laboratory trailer located at 200-ZP-1 to perform VOA sampling and analysis of the 200-ZP-1 pump and treat.
1005	Turned on B&K 1302 FTIR gas analyzer, serial number 1715232 to warm up instrument prior to analysis. The B&K 1302 is set up using cross compensation factory calibrations.
1007	Placed instrument into automatic sampling mode (ambient air).
1111	Vapor samples B1R3R8 (AS-3) and B1R3R7 (AS-2) delivered by NCOs.
1112	Analyzed blank air sample: TCM = < 1.0 ppm, CCl ₄ = < 1.0 ppm
1114	Analyzed 25.37 ppm calibration standard. CCl ₄ = 21.4 ppm (84 % Rec). Acceptable recovery.
1116	Started analysis of 200-ZP-1 samples.
1124	Completed analysis of 200-ZP-1 samples.
1130	Turned instrument off.
1200	Left site.

Reviewed
By: P.M. Gent

Sample	ID	Time	Matrix	Method	Time	TCM	CCl ₄
Blank	---	---	Air	PMG	1112	< 1.0	< 1.0
25.37 ppm Cal. Check	---	---	Air	PMG	1114	NA	21.4 84% Rec.
Z-A2-01 Post Chiller	B1R3R7	1050	Air	PMG	1116	< 1.0	8.46
Z-A3-01 Stack Effluent	B1R3R8	1054	Air	PMG	1120	< 1.0	< 1.0
Blank	---	---	Air	PMG	1126	< 1.0	< 1.0

M.G. Baechler 10/22/07

M.A. Baechler 10/22/07

M.A. BAECHLER OCT 22 2007

M.G. Baechler

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F02-002-045

PAGE 1 OF 1

COLLECTOR

POPE / M... / ...

COMPANY CONTACT

CLEMENTS, RL

TELEPHONE NO.

372-1761

PROJECT COORDINATOR

TRENT, SJ

SAMPLING LOCATION

ZP1 Pump & Treat

PROJECT DESIGNATION

200-ZP-1 Pump and Treat Operational Monitoring

SAF NO.

F02-002

PRICE CODE

FIELD

DATA TURNAROUND

0 Days / 0 Days

ICE CHEST NO.

FIELD LOGBOOK NO.

HNF-N-575-2

ACTUAL SAMPLE DEPTH

COA

122598ES20

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SHIPPED TO

Field Analysis Activities

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

- A=Air
- DL=Drum Liquids
- DS=Drum Solids
- L=Liquid
- O=Oil
- S=Soil
- SE=Sediment
- T=Tissue
- V=Vegetation
- W=Water
- WI=Wipe
- X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

PRESERVATION

Cool~4C

TYPE OF CONTAINER

Tedlar Bag

NO. OF CONTAINER(S)

1

VOLUME

1L

SPECIAL HANDLING AND/OR STORAGE

SAMPLE ANALYSIS

VOA BK Field (Carbon tetrachloride, Chloroform)

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1R3R7

GASEOUS

10/18/07 1050

B1R3R8

GASEOUS

10/18/07 1054

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

J. M... 10/18/07 1111

PMGENT/... 10/18/07 1111

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

USED IN PROCESS

DISPOSED BY

PMGENT/...

DATE/TIME

10/18 1130

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