0088452

FIELD SCREENING
FINAL DATA DELIVERABLE COVER SHEET

Date: Thursday, July 27, 2006

Sample Authorization Form (SAF) Number: F02-002

SDG Number (assigned by Sample Management): FP0314 Dayes

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

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

8/1/06

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Total number of pages (including cover sheet): 5

Comments:
200-ZP-1 Process Sampling and Analysis– VOA - Air

AUG 2006
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Analyst Signature — Date: 7-27-06

Reviewer's Signature — Date: 8/10/06

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

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

00000001

94 200 ZP-1 MONTHLY PROCESS MONITORING, JULY 2006

D. TODAK/GS

MOBILE LABORATORY DATA/LOG SHEET (Logbook HNF-N-293 1, SAF F02-001/F02-002)

Site Name: 200-ZP-1 Phase III (Monthly) Date: 07-12-06

D. TODAK 7-27-06

Sample Number	HEIS Number	Sample Time	Sample Type	Sampler (Initials)	Analysis Time	Analytical Results			Comments
						TCM µg/L	CCl4 µg/L	TCE µg/L	
DI Blank	-----	0755	Water	DT	1011	<2.0	<2.0	<2.0	hs010.d
100µg/L Cal. Check	-----	0950	Water	DT	1022	101.7 102%	103.6 104%	102.5 103%	hs011.d; Acceptable recoveries.
DI Blank	-----	0755	Water	DT	1033	<2.0	<2.0	<2.0	hs012.d
Field Blank	B1K044	0730	Water	JP/KH	1055	<2.0	<2.0	<2.0	hs014.d
Z-T2-01	B1K045	0740	Water	JP/KH	1106	<2.0	<2.0	<2.0	hs015.d
Z-V1-01	B1K046	0742	Water	JP/KH	1117	<2.0	<2.0	<2.0	hs016.d
Z-V1-02 MS	-----	0742	Water	JP/KH	1128	10.2 102%	9.8 98%	9.9 99 %	hs017.d
Z-V1-03 MSD	-----	0742	Water	JP/KH	1139	10.2 102%	9.6 96%	9.7 97%	hs018.d; (RPD=2.1%)
Z-T1-01	B1K047	0746	Water	JP/KH	1150	12	1800	6.5	hs019.d
Z-W1-01	B1K048	0750	Water	JP/KH	1201	9.0	1600	2.2	hs020.d
Z-W1-02 Duplicate	B1K049	0752	Water	JP/KH	1212	8.8	1500	2.2	hs021.d; (RPD=6.5%)
Z-W2-01	B1K050	0755	Water	JP/KH	1222	18	3100	6.1	hs022.d
Z-W3-01	B1K051	1015	Water	JP/KH	1233	13	1600	6.5	hs023.d; Manifold Bldg.
Z-W4-01	B1K052	----	Water	JP/KH	----	Well offline			Manifold Bldg.
Z-W5-01	B1K053	1045	Water	JP/KH	1244	13	500	<2.0	hs024.d; Manifold Bldg.
Z-W7-01	B1K054	0800	Water	JP/KH	1255	15	2400	14	hs025.d.
Z-W8-01	B1K055	0805	Water	JP/KH	1306	11	1700	4.7	hs026.d
Z-W9-01	B1K056	0808	Water	JP/KH	1317	15	2300	13	hs027.d
Z-W10-01	B1K057	0812	Water	JP/KH	1328	16	2200	13	hs028.d
C5101, I-1	B1JFV7	6-30-06 1001	Water	JP	1339	12.3	1433	3.46	hs029.d
C-5101, I-2	B1JFV8	7-7-06 0752	Water	RP	1350	41.7	838	2.43	hs030.d
DI Blank	-----	0755	Water	DT	1401	<2.0	<2.0	<2.0	hs031.d
3000µg/L Cal. Check	-----	1338	Water	DT	1411	3017 101%	3188 106%	3062 102%	hs032.d; Acceptable recoveries.
DI Blank	-----	0755	Water	DT	1433	<2.0	<2.0	<2.0	hs034.d
						ppm	ppm	ppm	
Blank	-----	-----	Air	----	1320	<1.0	<1.0	NA	B&K 1302
25.37 ppm Cal. Check	-----	-----	Air	----	1322	NA	22.5 89%	NA	B&K 1302 Acceptable recovery.
Z-A3-01	B1K072	0945	Air	JP/KH	1324	<1.0	<1.0	NA	B&K 1302
Z-A2-01	B1K073	0942	Air	JP/KH	1326	<1.0	9.8	NA	B&K 1302
Blank	-----	-----	Air	----	1328	<1.0	<1.0	NA	B&K 1302

PCE
<2.0
<2.0

Data recorded in real time using the GC computer in MO-612. For instrument operation information, refer to logbooks HNF-N-292 1, p.131 and HNF-N-294 1, p.51.

JUL 27 2006 D. TODAK

00000003

Reviewed DJ Alexander
By: DJ Alexander
JUL 27 2006

200 ZP-1 PROCESS MONITORING

D. TODAK, GS

JULY 2006

D. TODAK 7-27-06

200-ZP-1 Daily Activity Log
(Logbook HNF-N-294 1, F02-002)
Date: 07/12/06

0720	D. Todak 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.
0725	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.
0830	Placed instrument into automatic sampling mode (ambient air).
0956	Vapor samples B1K072 (AS-3) and B1K073 (AS-2) delivered by J. Pope.
1320	Analyzed blank air sample: TCM = <1.0 ppm, CCl_4 = <1.0 ppm, TCE = NAF .
1322	Analyzed 25.37 ppm calibration standard. CCl_4 = 22.5 ppm (89%). Acceptable recovery.
1324	Started analysis of 200-ZP-1 samples.
1328	Completed analysis of 200-ZP-1 samples.
1334	Turned instrument off.

Data was recorded in real time using the GC computer in MO-612.

D. TODAK
JUL 27 2006

Reviewed By: D.J. Alexander
JUL 27 2006

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F02-002-025	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	FIELD	DATA TURNAROUND
Pfister/Pope/Mokler/Hughes	CLEMENTS, RL	372-1761	TRENT, SJ	AIR QUALITY	☐	0 Days / 0 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
200 West	200-ZP-1 Pump and Treat Operational Monitoring	F02-002

ICE CHEST NO.	FIELD LOGBOOK NO.	COA	METHOD OF SHIPMENT
			Government Vehicle

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Field Analysis Activities	N/A	N/A

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C										
TYPE OF CONTAINER	Tedlar Bag										
NO. OF CONTAINER(S)	1										
VOLUME	1L										
SAMPLE ANALYSIS	VOA BK Field {Carbon tetrachloride, Chloroform}										

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SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1K072	GASEOUS	7-12-06	0945	X							
B1K073	GASEOUS	7-12-06	0942	X							

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J.S. Pope/ [signature] 7-12-06	0955	DJ Alexander [signature]	7-12-06/0955
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
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RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

B1K072 - clean
B1K073 - dirty

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD ~~RETURNED TO OU~~ [signature] 7-27-06 ~~D.J. ALEXANDER~~	DISPOSED BY ~~[signature]~~	DATE/TIME ~~JUL 20 2006 1315~~ JUL 12 2006 1340

USED IN PROCESS D. DOAK

00000005

(2602 (01/06))