

# SAMPLE COLLECTION LOG TRAVELER

EVENT #  
2480

DATE	REVIEWER	COMMENTS
1/28/10	S. Malczuk	computation

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7236

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/07/2010		MEDIA:	QBT3		OK
TIME COLLECTED (HH:MM)		10:40		SUB-MEDIA:	TUFF 1		
PRS ID:	12-004(a)	OK		SAMPLE TECH CODE:	HA		
LOCATION ID:	12-610527			FIELD QC TYPE:	NA		
LOCATION TYPE:	GENERIC			FIELD PREP:	NA		
TOP DEPTH:	Q			SAMPLE USAGE:	INV		
BOTTOM DEPTH:	Q	0.5 ft		SCREEN/PORT DESC:	NA		
FIELD MATRIX:	R			EXCAVATED: YES	NO/NA		
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		
BOREHOLE: YES/NO	NA			BOREHOLE DECLINATION:	NA		
				BOREHOLE DIRECTION:	NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+8270+NME D-EXP	500 ML AMBER GLASS 250 mL	Ice	Y	
1		AM241+GS+ISO PU+ISOU	1 LITER POLY	None		
1		Met+U+CLO4+C N	1 GAL POLY 1 L 1/1/10	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

SAMPLE DESC:

1/1/10  
 Light grayish brown, moderately indurated frozen tuff

SAMPLE COMMENTS:

LOCATION DESC:

4a2

FIELD SCREENING/MEASUREMENT RESULTS:

HE spot test Negative

Alpha  $\leq 16$  dpmB18  $\leq 2020$ PID =  $\frac{0}{0}$  ppm

COLLECTED BY (PRINT)

REVIEWED BY (PRINT) J. Marin

L. Lopez

RELINQUISHED BY (Printed Name) Larry Lopez (Signature) <i>Larry Lopez</i>	Date/Time 1/7/10 16:00	RECEIVED BY (Printed Name) L. Lopez (Signature) <i>L. Lopez</i>	Date/Time 1/7/10 4:00
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7237

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/07/2010		MEDIA:	QBT3		OK
TIME COLLECTED (HH:MM)		11:05		SUB-MEDIA:	TUFF 1		
PRS ID:	12-004(a)	OK		SAMPLE TECH CODE:	HA		
LOCATION ID:	12-610527			FIELD QC TYPE:	NA		
LOCATION TYPE:	GENERIC			FIELD PREP:	NA		
TOP DEPTH:	0	1.0 ft		SAMPLE USAGE:	INV		
BOTTOM DEPTH:	0	2.0 ft		SCREEN/PORT DESC:	NA		
FIELD MATRIX:	R	R		EXCAVATED: YES/NO/NA	NO		
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		
				WATER FLOWING: YES/NO/NA	NO		
BOREHOLE: YES/NO/NA	NO			BOREHOLE DECLINATION:	NA		
				BOREHOLE DIRECTION:	NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+8270+NME D-EXP	1RM 1/7/10 500 ML AMBER GLASS 250 ML	Ice	Y	
1		AM241+GS+ISO PU+ISOU	1 LITER POLY	None	Y	
1		Met+U+CLO4+C N	1 GAL POLY 1RM 1/7/10 1 L	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

## SAMPLE DESC:

1RM 1/7/10  
Light grayish brown, moderately indurated frozen tuff

## SAMPLE COMMENTS:

## LOCATION DESC:

4a2

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq$  16 dpm  
 B/g  $\leq$  2580 dpm PID = 0 ppm

## COLLECTED BY (PRINT)

L. Lopez

## REVIEWED BY (PRINT) J. MARIN

RELINQUISHED BY (Printed Name) LARRY LOPEZ (Signature) Larry A. Lopez	Date/Time 1/7/10 16:00	RECEIVED BY L. Lopez (Printed Name) (Signature)	Date/Time 1/7/10 4:00
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7238

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/07/2010		MEDIA:		QBT3	
TIME COLLECTED (HH:MM)		11:40		SUB-MEDIA:		TUFF 1	
PRS ID: 12-004(a)		OK		SAMPLE TECH CODE:		HA	
LOCATION ID: 12-610528				FIELD QC TYPE:		NA	
LOCATION TYPE: GENERIC				FIELD PREP:		NA	
TOP DEPTH: 0		OK		SAMPLE USAGE:		INV	
BOTTOM DEPTH: 0		0.55 ft		SCREEN/PORT DESC:		NA	
FIELD MATRIX: R		S		EXCAVATED: YES (NO) NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES (NO) NA			
BOREHOLE: YES (NO) NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+8270+NME D-EXP	500 ML AMBER GLASS	Ice	Y	
1		AM241+GS+ISO PU+ISOU	1 LITER POLY	None		
1		Met+U+CLO4+C N	1 GAL POLY 1 L 1/7/10	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

## SAMPLE DESC:

Light brown silty sandy soil, frozen

## SAMPLE COMMENTS:

## LOCATION DESC:

4a-1

## FIELD SCREENING/MEASUREMENT RESULTS:

HE spot test negative  
 $\alpha \leq 11$  dpm  
 $R/Y \leq 1962$  dpm  
 $P10 = 0$  ppm

COLLECTED BY (PRINT)

L. Lopez

REVIEWED BY (PRINT)

J. MARIN

RELINQUISHED BY (Printed Name) Larry Lopez (Signature) Larry Lopez	Date/Time 1/7/10 16:00	RECEIVED BY (Printed Name) K. Gucera (Signature) [Signature]	Date/Time 1/7/10 4:10
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7239

WORK ORDER:

AS PLANNED		AS COLLECTED	AS PLANNED		AS COLLECTED
DATE COLLECTED(MM/DD/YYYY):		01/07/2010	MEDIA:	QBT3	OK
TIME COLLECTED (HH:MM)		11:55	SUB-MEDIA:	TUFF 1	
PRS ID:	12-004(a)	OK	SAMPLE TECH CODE:	HA	
LOCATION ID:	12-610528		FIELD QC TYPE:	NA	
LOCATION TYPE:	GENERIC		FIELD PREP:	NA	
TOP DEPTH:	0	1.0 ft	SAMPLE USAGE:	INV	
BOTTOM DEPTH:	0	2.6 ft	SCREEN/PORT DESC:	X/A	
FIELD MATRIX:	R	OK	EXCAVATED: YES/NO/NA		
COMPOSITE TYPE:	NA		COMPOSITE TIME INTERVAL:	NA	
			WATER FLOWING: YES/NO/NA		
BOREHOLE: YES/NO/NA	NO		BOREHOLE DECLINATION:	NA	
			BOREHOLE DIRECTION:	NA	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+8270+NME D-EXP	500 ML AMBER GLASS	Ice	Y	
1		AM241+GS+ISO PU+ISOU	1 LITER POLY	None		
1		Met+U+CLO4+C N	1 GAL POLY	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

SAMPLE DESC:

Light brown sandy silty frozen soil from 1/10 to brownish gray decomposed tuff

SAMPLE COMMENTS:

Sample duplicated by RE12-10-7276

LOCATION DESC:

4a-1

FIELD SCREENING/MEASUREMENT RESULTS:

alpha = 22 dpm

PID = 0 ppm

B/8 = 2250 dpm

COLLECTED BY (PRINT)

L. Lopez

REVIEWED BY (PRINT)

J. Marin

RELINQUISHED BY (Printed Name) <u>L. Lopez</u> (Signature) <u>L. Lopez</u>	Date/Time 177/10 16:00	RECEIVED BY <u>L. Lopez</u> (Printed Name) (Signature) <u>[Signature]</u>	Date/Time 1/7/10 4:00
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7240

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/07/2010		MEDIA:	QBT3	01/07/10	ALLH
TIME COLLECTED (HH:MM)		12:25		SUB-MEDIA:	TUFF 1		NA
PRS ID:	12-004(a)	OK		SAMPLE TECH CODE:	HA		OK
LOCATION ID:	12-610529			FIELD QC TYPE:	NA		
LOCATION TYPE:	GENERIC			FIELD PREP:	NA		
TOP DEPTH:	0			SAMPLE USAGE:	INV		
BOTTOM DEPTH:	0	0.6 ft		SCREEN/PORT DESC:			NA
FIELD MATRIX:	B	OK 1/10 S		EXCAVATED: YES	(NO) NA		
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		
				WATER FLOWING: YES	(NO) NA		
BOREHOLE: YES	(NO) NA			BOREHOLE DECLINATION:	NA		
				BOREHOLE DIRECTION:	NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+8270+NME D-EXP	500 ML AMBER GLASS	Ice	Y	
1		AM241+GS+ISO PU+ISOU	1 LITER POLY	None		
1		Met+U+CLO4+C N	1 GAL POLY 1/10	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

## SAMPLE DESC:

Medium brown silty sandy frozen soil

## SAMPLE COMMENTS:

## LOCATION DESC:

4a3

## FIELD SCREENING/MEASUREMENT RESULTS:

 $\alpha \leq 27$  dpm $B/\gamma \leq 2100$  dpm

PID = 0 ppm HE Spot test negative

COLLECTED BY (PRINT)

L. Lopez

REVIEWED BY (PRINT)

J. Marin

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) Larry Lopez	1/7/10	(Printed Name) K. Greene	1/7/10
(Signature) Larry Lopez	16:00	(Signature) [Signature]	4:10
RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name)		(Printed Name)	
(Signature)		(Signature)	

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7241

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/07/2010		MEDIA: QBT3		OK	
TIME COLLECTED (HH:MM)		12:50		SUB-MEDIA: *		TUFF 1	
PRS ID:	12-004(a)	OK		SAMPLE TECH CODE: HA			
LOCATION ID:	12-610529			FIELD QC TYPE: NA			
LOCATION TYPE:	GENERIC			FIELD PREP: NA			
TOP DEPTH:	0	1.0 ft		SAMPLE USAGE: INV			
BOTTOM DEPTH:	0	2.0 ft		SCREEN/PORT DESC: NA			
FIELD MATRIX:	R	OK		EXCAVATED: YES <input checked="" type="radio"/> NO <input type="radio"/> NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES <input checked="" type="radio"/> NO <input type="radio"/> NA			
BOREHOLE: YES <input checked="" type="radio"/> NO <input type="radio"/> NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+8270+NME D-EXP	500 ML AMBER GLASS	Ice	Y	
1		AM241+GS+ISO PU+ISOU	1 LITER POLY	None		
1		Met+U+CLO4+C N	1 GAL. POLY 1 L from 1/7/10	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

## SAMPLE DESC:

Light pinkish gray dry ash flow tuff

## SAMPLE COMMENTS:

## LOCATION DESC:

4a3

## FIELD SCREENING/MEASUREMENT RESULTS:

 $\alpha \leq 55 \text{ dpm}$  $\beta/\gamma \leq 2450 \text{ dpm}$ PID =  $\frac{0}{0} \text{ ppm}$ 

## COLLECTED BY (PRINT)

L. Lopez

## REVIEWED BY (PRINT)

F. MARIN

RELINQUISHED BY (Printed Name) LARRY LOPEZ (Signature) Larry Lopez	Date/Time 1/7/10 16:00	RECEIVED BY (Printed Name) K. G. G. G. (Signature) K. G. G. G.	Date/Time 1/7/10 4:00
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7242

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/07/2010		MEDIA:	QBT3	ALLH	
TIME COLLECTED (HH:MM)		13:20		SUB-MEDIA:	TUFF 1	NA	
PRS ID:	12-004(a)	OK		SAMPLE TECH CODE:	HA	OK	
LOCATION ID:	12-610530			FIELD QC TYPE:	NA		
LOCATION TYPE:	GENERIC			FIELD PREP:	NA		
TOP DEPTH:	0			SAMPLE USAGE:	INV		
BOTTOM DEPTH:	0	1.0 ft		SCREEN/PORT DESC:	NA		
FIELD MATRIX:	R	S		EXCAVATED: YES (NO) NA			
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		
				WATER FLOWING: YES (NO) NA			
BOREHOLE: YES (NO) NA				BOREHOLE DECLINATION:	NA		
				BOREHOLE DIRECTION:	NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+8270+NME D-EXP	500 ML AMBER GLASS	Ice	Y	
1		AM241+GS+ISO PU+ISOU	1 LITER POLY	None		
1		Met+U+CLO4+C N	1 GAL POLY 1 L TRM 1/7/10	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

## SAMPLE DESC:

Dark brown loamy sandy soil

## SAMPLE COMMENTS:

## LOCATION DESC:

4a6

## FIELD SCREENING/MEASUREMENT RESULTS:

 $\text{Alpha} \leq 5 \text{ dpm}$   $\text{P10} = \frac{0}{0} \text{ ppm}$  $\text{B}/8 \leq 1997 \text{ dpm}$  HE Spot test Negative

COLLECTED BY (PRINT)

REVIEWED BY (PRINT) J. Marin

L. Lopez

RELINQUISHED BY (Printed Name) Larry Lopez (Signature) [Signature]	Date/Time 1/07/10 16:00	RECEIVED BY K. Bruce (Printed Name) [Signature] (Signature)	Date/Time 1/7/10 4:10
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time



**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7243

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/07/2010		MEDIA:	QBT3		OK
TIME COLLECTED (HH:MM)		13:34		SUB-MEDIA:	TUFF 1		
PRS ID:	12-004(a)	OK		SAMPLE TECH CODE:	HA		
LOCATION ID:	12-610530			FIELD QC TYPE:	NA		
LOCATION TYPE:	GENERIC			FIELD PREP:	NA		
TOP DEPTH:	0	1.0 ft		SAMPLE USAGE:	INV		
BOTTOM DEPTH:	0	2.0 ft		SCREEN/PORT DESC:	NA		
FIELD MATRIX:	R	OK		EXCAVATED: YES	NO/NA		
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		
BOREHOLE: YES	NO/NA			BOREHOLE DECLINATION:	NA		
				BOREHOLE DIRECTION:	NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+8270+NME D-EXP	500 ML AMBER GLASS	Ice	Y	
1		AM241+GS+ISO PU+ISOU	1 LITER POLY	None		
1		Met+U+CLO4+C N	1 GAL POLY 1 L 2RM 1/7/10	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

SAMPLE DESC:

Light grayish brown, moderately indurated, dry, ash flow tuff

SAMPLE COMMENTS:

LOCATION DESC:

4a6

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq$  49 dpm      PID = 0 ppm  
 B/x  $\leq$  2260 dpm

COLLECTED BY (PRINT)

REVIEWED BY (PRINT) J. Marin

L. Lopez

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) Larry Lopez	1/7/10	(Printed Name) K. Greene	1/7/10
(Signature) [Signature]	16:00	(Signature) [Signature]	4.10
RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name)		(Printed Name)	
(Signature)		(Signature)	

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7252

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/07		MEDIA: QBT3		ALLH	
TIME COLLECTED (HH:MM)		13:46		SUB-MEDIA: TUFF 1		NA	
PRS ID:	12-004(a)	OK		SAMPLE TECH CODE: HA		OK	
LOCATION ID:	12-610539			FIELD QC TYPE: NA			
LOCATION TYPE:	GENERIC			FIELD PREP: NA			
TOP DEPTH:	0			SAMPLE USAGE: INV			
BOTTOM DEPTH:	0	0.7 ft		SCREEN/PORT DESC: NA			
FIELD MATRIX:	R	S		EXCAVATED: YES (NO) NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES (NO) NA			
BOREHOLE: YES (NO) NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8270C+NMED Exp	500 ML AMBER GLASS	Ice	Y	
1		AM241+GS+ISO PU+ISOU	1 LITER POLY	None		
1		Met+U+CLO4+C N	LGAL POLY 1 L 2RM 1/7/10	Ice		
1		RADVA NA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

## SAMPLE DESC:

Light grayish brown, silty sandy dry soil

## SAMPLE COMMENTS:

55 dpm site background  
2010 dpm

## LOCATION DESC:

4a5

## FIELD SCREENING/MEASUREMENT RESULTS:

alpha 22 dpm  
B/x 2050 dpm  
PID = 0 ppm  
HE test negative

COLLECTED BY (PRINT)

REVIEWED BY (PRINT)

RELINQUISHED BY (Printed Name) Larry Lopez (Signature) Larry Lopez	Date/Time 11/7/10 16:00	RECEIVED BY (Printed Name) K. Greene (Signature) K. Greene	Date/Time 11/7/10 4:06
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7253

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/07/2010		MEDIA:		OBT3	
TIME COLLECTED (HH:MM)		13:55		SUB-MEDIA:		TUFF.1	
PRS ID:	12-004(a)	OK		SAMPLE TECH CODE:		HA	
LOCATION ID:	12-610539			FIELD QC TYPE:		NA	
LOCATION TYPE:	GENERIC			FIELD PREP:		NA	
TOP DEPTH:	0	1.0		SAMPLE USAGE:		INV	
BOTTOM DEPTH:	0	2.0		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	B	OK		EXCAVATED: YES (NO) NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES (NO) NA			
BOREHOLE: YES (NO) NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8270C+NMED Exp	500 ML AMBER GLASS	Ice	Y	
1		AM241+GS+ISO PU+ISOU	1 LITER POLY	None		
1		Met+U+CLO4+C N	1 L POLY 1 L 9AM 1/7/10	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

SAMPLE DESC:

Light gray, moderately indurated, dry, ash flow tuff

SAMPLE COMMENTS:

LOCATION DESC:

4a5

FIELD SCREENING/MEASUREMENT RESULTS:

 $\alpha \leq 27 \text{ dpm}$        $\text{pid} = \frac{0}{0} \text{ ppm}$   
 $\text{B/g} \leq 2570 \text{ dpm}$ 

COLLECTED BY (PRINT)

L. Lopez

REVIEWED BY (PRINT) J. Marin

RELINQUISHED BY (Printed Name) LARRY LOPEZ (Signature) <i>Larry Lopez</i>	Date/Time 11/7/10 16:00	RECEIVED BY (Printed Name) K. Green (Signature) <i>K. Green</i>	Date/Time 11/7/10 4:00
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7254

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/07/2010		MEDIA:	QBT3	ALLH	
TIME COLLECTED (HH:MM)		14:20		SUB-MEDIA:	TUFF 1	NA	
PRS ID:	12-004(a)	OK		SAMPLE TECH CODE:	HA		OK
LOCATION ID:	12-610540			FIELD QC TYPE:	NA		
LOCATION TYPE:	GENERIC			FIELD PREP:	NA		
TOP DEPTH:	Q			SAMPLE USAGE:	INV		
BOTTOM DEPTH:	Q	0.6 ft		SCREEN/PORT DESC:	NA		
FIELD MATRIX:	R	S		EXCAVATED: YES/NO	NA		
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		
BOREHOLE: YES/NO	NO			BOREHOLE DECLINATION:	NA		
				BOREHOLE DIRECTION:	NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8270C+NMED Exp	500 ML AMBER GLASS	Ice	Y	
1		AM241+GS+ISO PU+ISOU	1 LITER POLY	None		
1		Met+U+CLO4+C N	1 GAL POLY 1 L 2RM 1/7/10	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

SAMPLE DESC:

Medium brown, organic, silty, sandy, dry soil

SAMPLE COMMENTS:

LOCATION DESC:

4a4

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = ~~27 dpm~~  
Beta/Gamma = ~~2440 dpm~~  
PID = ~~0~~

Alpha = 27 dpm  
Beta/Gamma = 2440 dpm

PID =  $\frac{\text{Ambient Reading}}{0} = 0$  ppm

HE Spot test Negative

COLLECTED BY (PRINT)

L. Lopez

REVIEWED BY (PRINT) J. Marin

RELINQUISHED BY (Printed Name) Larry Lopez (Signature) Larry Lopez	Date/Time 1/7/10 16:00	RECEIVED BY (Printed Name) K. Gruener (Signature) [Signature]	Date/Time 1/7/10 4:00
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7255

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/07/2010		MEDIA:	QBT3		OK
TIME COLLECTED (HH:MM)		14:45		SUB-MEDIA:	TUFF 1		
PRS ID:	12-004(a)	OK		SAMPLE TECH CODE:	HA		
LOCATION ID:	12-610540			FIELD QC TYPE:	NA		
LOCATION TYPE:	GENERIC			FIELD PREP:	NA		
TOP DEPTH:	0	1.0		SAMPLE USAGE:	INV		
BOTTOM DEPTH:	0	1.9		SCREEN/PORT DESC:	NA		
FIELD MATRIX:	B	OK		EXCAVATED: YES/NO/NA	NO		
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		WATER FLOWING: YES/NO/NA
BOREHOLE: YES/NO/NA	NO			BOREHOLE DECLINATION:	NA		BOREHOLE DIRECTION: NA

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8270C+NMED Exp	500ML 500 ML AMBER GLASS ARM 1/2/10	Ice	Y	
1		AM241+GS+ISO PU+ISOU	1 LITER POLY	None		
1		Met+U+CLO4+C N	1 GAL POLY 1L ARM 1/2/10	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

## SAMPLE DESC:

Light brownish gray, moderately indurated, dry, ark flow tuff

## SAMPLE COMMENTS:

## LOCATION DESC:

4a4

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 27 dpm  
Beta/Gamma = 2320 dpm  
COLLECTED BY (PRINT) L. Lopez

PID  $\frac{\text{Ambient Reading}}{\text{}} = \text{ppm}$

REVIEWED BY (PRINT) J. Marin

RELINQUISHED BY (Printed Name) Larry A. Lopez (Signature) Larry A. Lopez	Date/Time 1/7/10 16:00	RECEIVED BY (Printed Name) L. Lopez (Signature) [Signature]	Date/Time 1/7/10 4:00
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7256

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/08/2010		MEDIA: QBT3		Allh	
TIME COLLECTED (HH:MM)		0940		SUB-MEDIA: TUFF 1		NA	
PRS ID: 12-004(a)		ok		SAMPLE TECH CODE: HA		ok	
LOCATION ID: 12-610541		↓		FIELD QC TYPE: NA		↓	
LOCATION TYPE: GENERIC		↓		FIELD PREP: NA		↓	
TOP DEPTH: 0		0.0		SAMPLE USAGE: INV		↓	
BOTTOM DEPTH: 0		0.6		SCREEN/PORT DESC: NA			
FIELD MATRIX: R		S		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA			
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8270C+NMED Exp	500 ML AMBER GLASS	Ice	Y	
1	↓	AM241+GS+ISO PU+ISOU	1 LITER POLY	None	Y	
1	↓	Met+U+CLO4+C N	1 GAL POLY 1 L from 1/2/10	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Brown silty sand, mostly frozen, few roots and rocks

SAMPLE COMMENTS:

LOCATION DESC: 4a-7, south of bunker entrance

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 11 dpm  
Beta/Gamma = 2490 dpm

1+E neg  
PID  $\frac{\text{Ambient Reading}}{0.0} = 0.0$  ppm

COLLECTED BY (PRINT)

JLM cFarland

REVIEWED BY (PRINT)

Jon Marin

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) Jon MARIN	1/8/10	(Printed Name) K. Greene	1/8/10
(Signature) Jon R. Marin	1052	(Signature) [Signature]	10:52
RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name)		(Printed Name)	
(Signature)		(Signature)	

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7257

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/08/2010		MEDIA: QBT3		ok	
TIME COLLECTED (HH:MM)		0948		SUB-MEDIA: TUFF 1		↓	
PRS ID: 12-004(a)		ok		SAMPLE TECH CODE: HA		ok	
LOCATION ID: 12-610541		↓		FIELD QC TYPE: NA		↓	
LOCATION TYPE: GENERIC		↓		FIELD PREP: NA		↓	
TOP DEPTH: 0		1.0		SAMPLE USAGE: INV		↓	
BOTTOM DEPTH: 0		2.0		SCREEN/PORT DESC: NA			
FIELD MATRIX: B		R		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA			
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8270C+NMED Exp	500 ML AMBER GLASS	Ice	Y	
1	↓	AM241+GS+ISO PU+ISOU	1 LITER POLY	None	Y	
1	↓	Met+U+CLO4+C N	1 GAL POLY 1 L HAM 1/2/10	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Gray tuff and brown clayey frozen sand

SAMPLE COMMENTS:

Hit tuff at 1.2 ft

LOCATION DESC:

Ha-7

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 33 dpm  
Beta/Gamma = 2910 dpm

PID  $\frac{\text{Ambient Reading}}{0.0}$  ppm

COLLECTED BY (PRINT)

T. McFarland

REVIEWED BY (PRINT)

Jon MARIN

RELINQUISHED BY (Printed Name) Jon MARIN (Signature) Jon R. Marin	Date/Time 1/8/10 10:52	RECEIVED BY (Printed Name) K. Green (Signature) [Signature]	Date/Time 1/8/10 10:52
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7258

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/08/2010		MEDIA: QBT3		OK	
TIME COLLECTED (HH:MM)		1016		SUB-MEDIA: TUFF 1		OK	
PRS ID:	12-004(a)	OK		SAMPLE TECH CODE: HA		NA	
LOCATION ID:	12-610542	↓		FIELD QC TYPE: NA		↓	
LOCATION TYPE:	GENERIC	↓		FIELD PREP: NA		↓	
TOP DEPTH:	0	0.0		SAMPLE USAGE: INV		↓	
BOTTOM DEPTH:	0	0.8		SCREEN/PORT DESC: NA			
FIELD MATRIX:	R	R		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA			
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8270C+NMED Exp	500 ML AMBER GLASS	Ice	Y	
1	↓	AM241+GS+ISO PU+ISOU	1 LITER POLY	None	Y	
1	↓	Met+U+CLO4+C N	1 GAL POLY 12 2PM 1/7/10	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC: grey tuff, some brown clay

SAMPLE COMMENTS:

Hit tuff at 6 inches

LOCATION DESC:

4a-8 south of bunker

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq$  33 dpmBeta/Gamma  $\leq$  2590 dpmPID  $\frac{\text{Ambient Reading}}{0.0} = 0.0$  ppm

COLLECTED BY (PRINT)

T. McFarland

REVIEWED BY (PRINT)

R. Saunders

RELINQUISHED BY (Printed Name) R. Saunders (Signature) R. Saunders	Date/Time 01/08/2010 1517	RECEIVED BY (Printed Name) Sherri Sherwood (Signature) Sherri Sherwood	Date/Time 1/8/10 1517
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time



## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7259

WORK ORDER:

AS PLANNED		AS COLLECTED	AS PLANNED		AS COLLECTED
DATE COLLECTED(MM/DD/YYYY):		01/08/2010	MEDIA:		QBT3
TIME COLLECTED (HH:MM)		1025	SUB-MEDIA:		TUFF 1
PRS ID:	12-004(a)	ok	SAMPLE TECH CODE:		HA
LOCATION ID:	12-610542	↓	FIELD QC TYPE:		NA
LOCATION TYPE:	GENERIC	↓	FIELD PREP:		NA
TOP DEPTH:	0	1.0	SAMPLE USAGE:		INV
BOTTOM DEPTH:	0	1.7	SCREEN/PORT DESC:		NA
FIELD MATRIX:	R	R	EXCAVATED: YES/NO/NA		
COMPOSITE TYPE:		NA	COMPOSITE TIME INTERVAL:		NA
			WATER FLOWING: YES/NO/NA		
BOREHOLE: YES/NO/NA			BOREHOLE DECLINATION:		NA
			BOREHOLE DIRECTION:		NA

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8270C+NMED Exp	500 ML AMBER GLASS	Ice	y	
1	↓	AM241+GS+ISO PU+ISOU	1 LITER POLY	None	y	
1	↓	Met+U+CLO4+C N	1 EA POLY 1 L 2mm 1/2/10	Ice	y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	y	

SAMPLE DESC:

Pinkish gray tuff

SAMPLE COMMENTS:

NA

LOCATION DESC:

4a-8 south of bunker

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq$  27 dpm  
Beta/Gamma  $\leq$  2640 dpm

PID  $\frac{\text{Ambient}}{\text{Reading}} = \frac{0.0}{0.0}$  ppm

COLLECTED BY (PRINT)

TLMcFarland

REVIEWED BY (PRINT) R. Saunders

RELINQUISHED BY (Printed Name) R. Saunders (Signature) R. Saunders	Date/Time 01/08/2010 1517	RECEIVED BY (Printed Name) Sherrill Sherwood (Signature) Sherrill Sherwood	Date/Time 1/8/10 1517
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7260

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/08/2010		MEDIA:		QBT3	
TIME COLLECTED (HH:MM)		1104		SUB-MEDIA:		TUFF 1	
PRS ID:	12-004(a)	OK		SAMPLE TECH CODE:		HA	
LOCATION ID:	12-610543	↓		FIELD QC TYPE:		NA	
LOCATION TYPE:	GENERIC	↓		FIELD PREP:		NA	
TOP DEPTH:	0	0.0		SAMPLE USAGE:		INV	
BOTTOM DEPTH:	0	1.0		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R	S		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA			
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8270C+NMED Exp	500 ML AMBER GLASS	Ice	Y	
1	↓	AM241+GS+ISO PU+ISOU	1 LITER POLY	None	Y	
1	↓	Met+U+CLO4+C N	1 GAL POLY 1 L ARM 1/2/10	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC: Frozen brown silty sand and some gray tuff, some roots and tuff rocks

FD: RE12-10-7283

SAMPLE COMMENTS:

Hit tuff at 0.5 ft

LOCATION DESC: 4a-9, southeast of bunker

FIELD SCREENING/MEASUREMENT RESULTS:

HE negative

Alpha  $\leq$  36 dpm  
Beta/Gamma  $\leq$  3690 dpm

PID  $\frac{\text{Ambient Reading}}{0.0} = 0.0$  ppm

COLLECTED BY (PRINT)

REVIEWED BY (PRINT)

TL McFarland

R. Saunders

RELINQUISHED BY (Printed Name) R. Saunders (Signature) R. Saunders	Date/Time 01/08/2010 1517	RECEIVED BY (Printed Name) Sheri Sherwood (Signature) Sheri Sherwood	Date/Time 1/8/10 1517
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

# SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7261

WORK ORDER:

	AS PLANNED	AS COLLECTED	AS PLANNED	AS COLLECTED
DATE COLLECTED(MM/DD/YYYY):		01/08/2010	MEDIA:	QBT3
TIME COLLECTED (HH:MM)		1137	SUB-MEDIA:	TUFF 1
PRS ID:	12-004(a)	ok	SAMPLE TECH CODE:	HA
LOCATION ID:	12-610543	↓	FIELD QC TYPE:	NA
LOCATION TYPE:	GENERIC	↓	FIELD PREP:	NA
TOP DEPTH:	0	1.0	SAMPLE USAGE:	INV
BOTTOM DEPTH:	0	1.8	SCREEN/PORT DESC:	NA
FIELD MATRIX:	R	R	EXCAVATED: YES/NO/NA	NA
COMPOSITE TYPE:	NA		COMPOSITE TIME INTERVAL:	NA
			WATER FLOWING: YES/NO/NA	NA
BOREHOLE: YES/NO/NA	NA		BOREHOLE DECLINATION:	NA
			BOREHOLE DIRECTION:	NA

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8270C+NMED Exp	500 ML AMBER GLASS	Ice	y	
1	↓	AM241+GS+ISO PU+ISOU	1 LITER POLY	None	y	
1	↓	Met+U+CLO4+C N	1 GAL POLY	Ice	y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	y	

SAMPLE DESC: pinkish grey tuff with orange tuff, some roots, slightly moist, Some brown sand

SAMPLE COMMENTS:

1.2' hit tuff

LOCATION DESC: 4a-9, southeast of bunker

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\pm$  22 dpm  
Beta/Gamma  $\pm$  2480 dpm

PID Ambient Reading 0.0 ppm

COLLECTED BY (PRINT)

R Saunders

REVIEWED BY (PRINT) TLMcFarland

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) R. Saunders	01/08/2010	(Printed Name) Sherri Sherwood	1/8/10
(Signature) R. Saunders	1517	(Signature) Sherri Sherwood	1517
RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name)		(Printed Name)	
(Signature)		(Signature)	

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7262

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/08/2010		MEDIA: QBT3		ok	
TIME COLLECTED (HH:MM)		1120		SUB-MEDIA: TUFF1		L	
PRS ID:	12-004(a)	ok		SAMPLE TECH CODE: HA		ok	
LOCATION ID:	12-610544	↓		FIELD QC TYPE: NA		↓	
LOCATION TYPE:	GENERIC	↓		FIELD PREP: NA		↓	
TOP DEPTH:	0	0.0		SAMPLE USAGE: INV		↓	
BOTTOM DEPTH:	0	0.6		SCREEN/PORT DESC: NA			
FIELD MATRIX:	R	ok		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA			
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8270C+NMED Exp	500 ML AMBER GLASS	Ice	Y	
1	↓	AM241+GS+ISO PU+ISOU	1 LITER POLY 12m 1/8/10	None	Y	
1	↓	Met+U+CLO4+C N	1 GAL POLY 1 Liter	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Pinkish gray weathered tuff, some roots and rocks

SAMPLE COMMENTS:

NA

LOCATION DESC:

4a - 10 south of bunker

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq$  16 dpm  
Beta/Gamma  $\leq$  2500 dpm

PID  $\frac{\text{Ambient}}{\text{Reading}} = \frac{0.0}{0.0}$  ppm

COLLECTED BY (PRINT)

TLMcFarland

REVIEWED BY (PRINT)

R Saunders

RELINQUISHED BY (Printed Name) R. Saunders (Signature) R. Saunders	Date/Time 01/08/2010 1517	RECEIVED BY (Printed Name) Sherri Sherwood (Signature) Sherri Sherwood	Date/Time 1/8/10 1517
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7263

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/08/2010		MEDIA:		QBT3	
TIME COLLECTED (HH:MM)		1150		SUB-MEDIA:		TUFF1	
PRS ID:	12-004(a)	ok		SAMPLE TECH CODE:		HA	
LOCATION ID:	12-610544	↓		FIELD QC TYPE:		NA	
LOCATION TYPE:	GENERIC	↓		FIELD PREP:		NA	
TOP DEPTH:	0	1.0		SAMPLE USAGE:		INV	
BOTTOM DEPTH:	0	1.7		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R	R		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA			
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8270C+NMED Exp	500 ML AMBER GLASS	Ice	Y	
1	↓	AM241+GS+ISO PU+ISOU	1 LITER POLY	None	Y	
1	↓	Met+U+CLO4+C N	1 GAL POLY	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Pinkish gray, tuff, some roots

SAMPLE COMMENTS:

NA

LOCATION DESC:

4a-10 south of bunkers

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq$  16 dpm  
 Beta/Gamma  $\leq$  2430 dpm

PID  $\frac{\text{Ambient Reading}}{0.0} = 0.0$  ppm

COLLECTED BY (PRINT)

T. McFarland

REVIEWED BY (PRINT)

R. Saunders

RELINQUISHED BY (Printed Name) R. Saunders (Signature) R. Saunders	Date/Time 01/08/2010 1517	RECEIVED BY (Printed Name) Sherrif Sherwood (Signature) Sherrif Sherwood	Date/Time 1/8/10 1517
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7264

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/08/2010		MEDIA: QBT3		ALLH	
TIME COLLECTED (HH:MM)		1259		SUB-MEDIA: TUFF 1		NA	
PRS ID:	12-004(a)	OK		SAMPLE TECH CODE: HA		OK	
LOCATION ID:	12-610545	↓		FIELD QC TYPE: NA		↓	
LOCATION TYPE:	GENERIC	↓		FIELD PREP: NA		↓	
TOP DEPTH:	0	0.0		SAMPLE USAGE: INV		↓	
BOTTOM DEPTH:	0	0.9		SCREEN/PORT DESC: NA			
FIELD MATRIX:	R	S		EXCAVATED: YES (NO) NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES (NO) NA			
BOREHOLE: YES (NO) NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8270C+NMED Exp	500 ML AMBER GLASS	Ice	Yes	
1	↓	AM241+GS+ISO PU+ISOU	1 LITER POLY	None	Yes	
1	↓	Met+U+CLO4+C N	1 GAL POLY	Ice	Yes	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Yes	

SAMPLE DESC: brown silty sand, some root

## SAMPLE COMMENTS:

RS 01-08-10 0.7, hit tuff  
0.5

LOCATION DESC: 4a-11 drainage

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha < 22 dpm  
Beta/Gamma < 2700 dpmPID  $\frac{\text{Ambient}}{\text{Reading}} \frac{0.0}{0.0}$  ppm

HE Neg.

COLLECTED BY (PRINT)

R Saunders

REVIEWED BY (PRINT) TL McFarland

RELINQUISHED BY (Printed Name) R. Saunders (Signature) R. Saunders	Date/Time 01/08/2010 1517	RECEIVED BY (Printed Name) Sherrish Sherwood (Signature) Sherrish Sherwood	Date/Time 1/8/10 1517
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7265

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/08/2010		MEDIA: QBT3		OK	
TIME COLLECTED (HH:MM)		1304		SUB-MEDIA: TUFF 1		↓	
PRS ID: 12-004(a)		OK		SAMPLE TECH CODE: HA		OK	
LOCATION ID: 12-610545		↓		FIELD QC TYPE: NA		↓	
LOCATION TYPE: GENERIC		↓		FIELD PREP: NA		↓	
TOP DEPTH: 0		1.0		SAMPLE USAGE: INV		↓	
BOTTOM DEPTH: 0		3.0		SCREEN/PORT DESC: NA		NA	
FIELD MATRIX: R		OK		EXCAVATED: YES/NO NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO NA			
BOREHOLE: YES/NO NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	normal	8270C+NMED Exp	500 ML AMBER GLASS	Ice	Yes	
1	↓	AM241+GS+ISO PU+ISOU	1 LITER POLY 7m 1/8/10	None	Yes	
1	↓	Met+U+CLO4+C N	1 GAL POLY 1 Liter	Ice	Yes	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Yes	

SAMPLE DESC: Pinkish grey tuff

FD RE12-10-7282

SAMPLE COMMENTS:

NA

LOCATION DESC: 4a-11 drainage

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq$  22 dpm  
Beta/Gamma  $\leq$  3150 dpm

PID  $\frac{\text{Ambient Reading}}{0.0} = 0.0$  ppm

COLLECTED BY (PRINT)

R Saunders

REVIEWED BY (PRINT) TLMcFarland

RELINQUISHED BY (Printed Name) R. Saunders (Signature) R. Saunders	Date/Time 01/08/2010 1517	RECEIVED BY (Printed Name) Sherril Sherwood (Signature) Sherril Sherwood	Date/Time 1/8/10 1517
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7266

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/08/2010		MEDIA:		OBT3	
TIME COLLECTED (HH:MM)		1257		SUB-MEDIA:		TUFF 1	
PRS ID:	12-004(a)	OK		SAMPLE TECH CODE:		HA	
LOCATION ID:	12-610546	↓		FIELD QC TYPE:		NA	
LOCATION TYPE:	GENERIC	↓		FIELD PREP:		NA	
TOP DEPTH:	0	0.0		SAMPLE USAGE:		INV	
BOTTOM DEPTH:	0	0.5		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	B	SED		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA			
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8270C+NMED Exp	500 ML AMBER GLASS	Ice	Y	
1	↓	AM241+GS+ISO PU+ISOU	1 LITER POLY 12m 118/10	None	Y	
1	↓	Met+U+CLO4+C N	1 GAL POLY 1 Liter	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC: moist sand, tuff fragments, pine needles

SAMPLE COMMENTS: NA

LOCATION DESC: 4a-12 drainage

FIELD SCREENING/MEASUREMENT RESULTS: HE negative

Alpha  $\leq$  16 dpm  
Beta/Gamma  $\leq$  2710 dpm

PID  $\frac{\text{Ambient Reading}}{0.0} = 0.0$  ppm

COLLECTED BY (PRINT)

TLMcFarlane

REVIEWED BY (PRINT)

R. Saunders

RELINQUISHED BY (Printed Name) R. Saunders (Signature) R. Saunders	Date/Time 01/08/2010 1517	RECEIVED BY (Printed Name) Sherri Greenwood (Signature) Sherri Greenwood	Date/Time 1/8/10 1517
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time



**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7267

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/08/2010		MEDIA: OBT3		ok	
TIME COLLECTED (HH:MM)		1304		SUB-MEDIA: TUFF 1		↓	
PRS ID: 12-004(a)		ok		SAMPLE TECH CODE: HA		ok	
LOCATION ID: 12-610546		↓		FIELD QC TYPE: NA		↓	
LOCATION TYPE: GENERIC		↓		FIELD PREP: NA		↓	
TOP DEPTH: 0		1.0		SAMPLE USAGE: INV		↓	
BOTTOM DEPTH: 0		2.0		SCREEN/PORT DESC: NA			
FIELD MATRIX: R		ok		EXCAVATED: YES/NO NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO NA			
BOREHOLE: YES/NO NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1		8270C+NMED Exp	500 ML AMBER GLASS	Ice	Y	
1		AM241+GS+ISO PU+ISOU	1 LITER POLY	None	Y	
1		Met+U+CLO4+C N	1 GAL POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Pinkish gray tuff and brown moist sand

SAMPLE COMMENTS:

Tuff at 1.6 ft

LOCATION DESC:

4a-12

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq$  38 dpm  
Beta/Gamma  $\leq$  3000 dpm

PID  $\frac{\text{Ambient Reading}}{0.0} = 0.0$  ppm

COLLECTED BY (PRINT)

TL-McFarland

REVIEWED BY (PRINT)

R Saunders

RELINQUISHED BY (Printed Name) R. Saunders (Signature) R. Saunders	Date/Time 01/08/2010 1517	RECEIVED BY (Printed Name) Sheri Sherwood (Signature) Sheri Sherwood	Date/Time 1/8/10 1517
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7268

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/08/2010		MEDIA:	QBT3		
TIME COLLECTED(HH:MM)		0108/2009 1319		SUB-MEDIA:	TUFF1		Alh
PRS ID:	12-004(a)	ok		SAMPLE TECH CODE:	HA		ok
LOCATION ID:	12-610547			FIELD QC TYPE:	NA		
LOCATION TYPE:	GENERIC	↓		FIELD PREP:	NA		↓
TOP DEPTH:	0	0.0		SAMPLE USAGE:	INV		
BOTTOM DEPTH:	0	0.7		SCREEN/PORT DESC:	NA		
FIELD MATRIX:	R	S		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		
				WATER FLOWING: YES/NO/NA			
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION:	NA	BOREHOLE DIRECTION:	NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8270C+NMED Exp	500 ML AMBER GLASS	Ice	Y	
1	↓	AM241+GS+ISO PU+ISOU	1 LITER POLY 12/18/10	None	Y	
1	↓	Met+U+CLO4+C N	1 GAL POLY 1 Liter	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Brownish gray silty sand, some tuff fragments

SAMPLE COMMENTS:

NA

LOCATION DESC:

4a-13 drainage

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 22 dpm

Beta/Gamma = 3030 dpm

HE neg

PID  $\frac{\text{Ambient Reading}}{0.0} = 0.0$  ppm

COLLECTED BY (PRINT)

Th McFarlane

REVIEWED BY (PRINT)

R. Saunders

RELINQUISHED BY (Printed Name) R. Saunders (Signature) R. Saunders	Date/Time 01/08/2010 1517	RECEIVED BY (Printed Name) Sheri Sherwood (Signature) Sheri Sherwood	Date/Time 1/8/10 1517
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7269

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/08/2010		MEDIA:		QBT3	
TIME COLLECTED (HH:MM)		1326		SUB-MEDIA:		TUFF 1	
PRS ID: 12-004(a)		ok		SAMPLE TECH CODE:		HA	
LOCATION ID: 12-610547		↓		FIELD QC TYPE:		NA	
LOCATION TYPE: GENERIC		↓		FIELD PREP:		NA	
TOP DEPTH: 0		1.0		SAMPLE USAGE:		INV	
BOTTOM DEPTH: 0		1.9		SCREEN/PORT DESC:		NA	
FIELD MATRIX: R		ok		EXCAVATED: YES/NO/NA		NO	
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA		NO	

BOREHOLE: YES/NO/NA BOREHOLE DECLINATION: NA BOREHOLE DIRECTION: NA

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8270C+NMED Exp	500 ML AMBER GLASS	Ice	Y	
1	↓	AM241+GS+ISO PU+ISOU	1 LITER POLY 72m 1/08/2010	None	Y	
1	↓	Met+U+CLO4+C N	1 LITER POLY 1 Liter	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Pinkish gray tuff

SAMPLE COMMENTS:

Tuff at 1.0 ft

LOCATION DESC:

4a-13 drainage

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 22 dpm  
Beta/Gamma = 2920 dpm

PID  $\frac{\text{Ambient Reading}}{0.0}$  ppm

COLLECTED BY (PRINT)

TL McFarland

REVIEWED BY (PRINT)

R. Saunders

RELINQUISHED BY (Printed Name) R. Saunders (Signature) R. Saunders	Date/Time 01/08/2010 1517	RECEIVED BY (Printed Name) Sheri Sherwood (Signature) Sheri Sherwood	Date/Time 1/8/10 1517
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7270

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/08/2010		MEDIA:		OBT3	
TIME COLLECTED(HH:MM)		1343		SUB-MEDIA:		TUFF1	
PRS ID: 12-004(a)		OK		SAMPLE TECH CODE:		HA	
LOCATION ID: 12-610548		↓		FIELD QC TYPE:		NA	
LOCATION TYPE: GENERIC		↓		FIELD PREP:		NA	
TOP DEPTH: 0		0.0		SAMPLE USAGE:		INV	
BOTTOM DEPTH: 0		0.8		SCREEN/PORT DESC:		NA	
FIELD MATRIX: R		S		EXCAVATED: YES/NO/NA		NO	
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA		NO	
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	normal	8270C+NMED Exp	500 ML AMBER GLASS	Ice	Y	
1	↓	AM241+GS+ISO PU+ISOU	1 LITER POLY 12-11-10	None	Y	
1	↓	Met+U+CLO4+C N	1 GAL POLY 1L	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC: dark to brown soil, wood/Root Fragments/moist  
 NSP ↑ 1-6-10  
 NSP ↑ 1-8-10

SAMPLE COMMENTS:

N/A

LOCATION DESC:

4a-14, drainage

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq$  16 dpm  
 Beta/Gamma  $\leq$  2860 dpm

PID  $\frac{\text{Ambient Reading}}{0.0} = 0.0$  ppm

HE NEG

COLLECTED BY (PRINT)

R Saunders

REVIEWED BY (PRINT)

TLMcFarland

RELINQUISHED BY (Printed Name) R. Saunders (Signature) R. Saunders	Date/Time 01/08/2010 1517	RECEIVED BY (Printed Name) Sherri Sherwood (Signature) Sherri Sherwood	Date/Time 1/8/10 1517
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7271

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/08/2010		MEDIA:		QBT3	
TIME COLLECTED (HH:MM)		1350		SUB-MEDIA:		TUFF 1	
PRS ID:	12-004(a)	ok		SAMPLE TECH CODE:		HA	
LOCATION ID:	12-610548	↓		FIELD QC TYPE:		NA	
LOCATION TYPE:	GENERIC	↓		FIELD PREP:		NA	
TOP DEPTH:	0	1.0		SAMPLE USAGE:		INV	
BOTTOM DEPTH:	0	1.8		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	B	R		EXCAVATED: YES/NO/NA		NO/NA	
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA		NO/NA	
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8270C+NMED Exp	500 ML AMBER GLASS	Ice	Y	
1	↓	AM241+GS+ISO PU+ISOU	1 LITER POLY 2m 1/08/10	None	Y	
1	↓	Met+U+CLO4+C N	1 GAL POLY 1 Liter	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Pinkish gray, tuff

SAMPLE COMMENTS:

Hit tuff at 8 inches

LOCATION DESC:

4a-14 drainage

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq$  27 dpm  
Beta/Gamma  $\leq$  2860 dpm

PID  $\frac{\text{Ambient Reading}}{0.0} = 0.0$  ppm

COLLECTED BY (PRINT)

TLMcFarland

REVIEWED BY (PRINT)

R. Saunders

RELINQUISHED BY (Printed Name) R. Saunders (Signature) R. Saunders	Date/Time 01/08/2010 1517	RECEIVED BY (Printed Name) Sherrill Sherwood (Signature) Sherrill Sherwood	Date/Time 1/8/10 1517
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7272

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/11/2016		MEDIA:	QBT3		SED
TIME COLLECTED (HH:MM)		09:15		SUB-MEDIA:	TUFF 1		NA
PRS ID:	12-004(a)	OK		SAMPLE TECH CODE:	HA		OK
LOCATION ID:	12-610549			FIELD QC TYPE:	NA		
LOCATION TYPE:	GENERIC			FIELD PREP:	NA		
TOP DEPTH:	0			SAMPLE USAGE:	INV		
BOTTOM DEPTH:	0	0.3		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R	SED		EXCAVATED: YES (NO) NA			
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		
BOREHOLE: YES (NO) NA				BOREHOLE DECLINATION:	NA		
				BOREHOLE DIRECTION:	NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	normal	8270C+NMED Exp	500 ML AMBER GLASS	Ice	Y	
1		AM241+GS+ISO PU+ISOU	1 LITER POLY	None	Y	
1		Met+U+CLO4+C N	1 GAL POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Dark brown sandy silty soil in sediment pocket

SAMPLE COMMENTS:

LOCATION DESC:

4a-15

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq$  16 dpmBeta / Gamma  $\leq$  2550 dpmPID Ambient 0  
Reading 0 ppm

COLLECTED BY (PRINT)

D. Byers

REVIEWED BY (PRINT)

D. Byers

RELINQUISHED BY (Printed Name) R Saunders (Signature) R Saunders	Date/Time 1/11/16 1430	RECEIVED BY (Printed Name) Jaylany (Signature) Jaylany	Date/Time 1/11/16 1430
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7273

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/11/2010		MEDIA: QBT3		2km 1/11/10 SED OK	
TIME COLLECTED (HH:MM)		09:40 09550		SUB-MEDIA: TUFF 1		1.1 km 1/11/10 NA	
PRS ID:	12-004(a)	OK 2km 1/11/10		SAMPLE TECH CODE: HA			
LOCATION ID:	12-610549	OK		FIELD QC TYPE: NA			
LOCATION TYPE:	GENERIC	OK		FIELD PREP: NA			
TOP DEPTH:	0	OK 2km 1/11/10 1.0		SAMPLE USAGE: INV			
BOTTOM DEPTH:	0	0.31/11/10 1.3		SCREEN/PORT DESC:			
FIELD MATRIX:	R	SED 2km 1/11/10		EXCAVATED: YES (NO) NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES (NO) NA			
BOREHOLE: YES (NO) NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8270C+NMED Exp	500 ML AMBER GLASS	Ice	Y	
1		AM241+GS+ISO PU+ISOU	1 LITER POLY	None		
1		Met+U+CLO4+C N	1 GAL POLY	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

## SAMPLE DESC:

Light grayish brown silty decomposed ash flow tuff

## SAMPLE COMMENTS:

## LOCATION DESC:

4a15

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 44 dpm  
Beta/Gamma = 2810 dpm

PID  $\frac{\text{Ambient Reading}}{0.0}$  ppm

COLLECTED BY (PRINT)

D. Byers

REVIEWED BY (PRINT)

J. Marin

RELINQUISHED BY (Printed Name) R Saunders (Signature) R Saunders	Date/Time 1/11/10 1430	RECEIVED BY (Printed Name) (Signature)	Date/Time 1/11/10 1430
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7274

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/11/2010		MEDIA: QBT3		SED	
TIME COLLECTED (HH:MM)		09:55		SUB-MEDIA: TUFF 1		NA	
PRS ID: 12-004(a)		OK		SAMPLE TECH CODE: HA		OK	
LOCATION ID: 12-610550				FIELD QC TYPE: NA			
LOCATION TYPE: GENERIC				FIELD PREP: NA			
TOP DEPTH: 0				SAMPLE USAGE: INV			
BOTTOM DEPTH: 0		0.3		SCREEN/PORT DESC: NA			
FIELD MATRIX: R		SED		EXCAVATED: YES <input checked="" type="radio"/> NO <input type="radio"/> NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES <input checked="" type="radio"/> NO <input type="radio"/> NA			
BOREHOLE: YES <input checked="" type="radio"/> NO <input type="radio"/> NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8270C+NMED Exp	500 ML AMBER GLASS	Ice	Y	
1		AM241+GS+ISO PU+ISOU	1 LITER POLY	None		
1		Met+U+CLO4+C N	1 GAL POLY	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

## SAMPLE DESC:

Light brownish gray sandy, gravelly, silty sediment

## SAMPLE COMMENTS:

Refusal on Qb + 2 at 0.3 ft

## LOCATION DESC:

4a16

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq$  33 dpm  
Beta/Gamma  $\leq$  2820 dpmPID  $\frac{\text{Ambient Reading}}{0} = 0$  ppm

COLLECTED BY (PRINT)

D. Byers

REVIEWED BY (PRINT)

J. Marin

RELINQUISHED BY (Printed Name) R Saunders (Signature) R Saunders	Date/Time 1/11/10 1430	RECEIVED BY (Printed Name) (Signature) Jay Williams	Date/Time 1/11/10 1430
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time



**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7275

WORK ORDER:

<u>AS PLANNED</u>		<u>AS COLLECTED</u>	<u>AS PLANNED</u>		<u>AS COLLECTED</u>
DATE COLLECTED(MM/DD/YYYY):			MEDIA: <u>OBT3</u>		
TIME COLLECTED (HH:MM)			SUB-MEDIA: <u>TUFF 1</u>		
PRS ID:	<u>12-004(a)</u>		SAMPLE TECH CODE: <u>HA</u>		
LOCATION ID:	<u>12-610550</u>		FIELD QC TYPE: <u>NA</u>		
LOCATION TYPE:	<u>GENERIC</u>		FIELD PREP: <u>NA</u>		
TOP DEPTH:	<u>0</u>		SAMPLE USAGE: <u>INV</u>		
BOTTOM DEPTH:	<u>0</u>		SCREEN/PORT DESC:		
FIELD MATRIX:	<u>R</u>		EXCAVATED: YES/NO/NA		
COMPOSITE TYPE: _____			COMPOSITE TIME INTERVAL: _____		
			WATER FLOWING: YES/NO/NA		
BOREHOLE: YES/NO/NA			BOREHOLE DECLINATION: _____		
			BOREHOLE DIRECTION: _____		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1		8270C+NMED Exp	500 ML AMBER GLASS	Ice		
1		AM241+GS+ISO PU+ISOU	1 LITER POLY	None		
1		Met+U+CLO4+C N	1 GAL POLY	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

SAMPLE DESC:

SAMPLE COMMENTS:

not collected CPL  
for R. Martin  
1/12/10

LOCATION DESC:

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq$  \_\_\_\_\_ dpm  
Beta/Gamma  $\leq$  \_\_\_\_\_ dpm

PID  $\frac{\text{Ambient}}{\text{Reading}} = \text{ppm}$

COLLECTED BY (PRINT)

REVIEWED BY (PRINT)

RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7276

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/07/2010		MEDIA:		OBT3	
TIME COLLECTED (HH:MM)		11:55		SUB-MEDIA:		TUFF1	
PRS ID: 12-004(a)		OK		SAMPLE TECH CODE:		HA	
LOCATION ID: UNK		12-610528		FIELD QC TYPE:		NA	
LOCATION TYPE: GENERIC				FIELD PREP:		NA	
TOP DEPTH: 0		1.0		SAMPLE USAGE:		INV	
BOTTOM DEPTH: 0		2.6		SCREEN/PORT DESC:		NA	
FIELD MATRIX: B		OK		EXCAVATED: YES/NO/NA		NA	
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA		NA	
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA		NA	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+8270+NME D-EXP	500 ML AMBER GLASS	Ice	Y	
1		AM241+GS+ISO PU+ISOU	1 LITER POLY	None		
1		Met+U+CLO4+C N	1 GAL POLY 1L 2RM 1/10	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

## SAMPLE DESC:

Light brown to brownish gray decomposed tuff.

## SAMPLE COMMENTS:

Duplicate sample of RE12-10-7239

## LOCATION DESC:

4a-1

## FIELD SCREENING/MEASUREMENT RESULTS:

alpha  $\leq 22$  dpm  
 B1 &  $\leq 2250$  dpm

PID =  $\frac{0}{0}$  ppm

## COLLECTED BY (PRINT)

L. Lopez

## REVIEWED BY (PRINT)

Jan Marin

RELINQUISHED BY (Printed Name) <i>L. Lopez</i> (Signature) <i>L. Lopez</i>	Date/Time 1/07/10 16:00	RECEIVED BY (Printed Name) <i>V. Green</i> (Signature) <i>V. Green</i>	Date/Time 1/7/10 4:10
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7277

WORK ORDER:

<u>AS PLANNED</u>		<u>AS COLLECTED</u>	<u>AS PLANNED</u>		<u>AS COLLECTED</u>
DATE COLLECTED(MM/DD/YYYY):			MEDIA: QBT3		
TIME COLLECTED (HH:MM)			SUB-MEDIA: TUFF 1		
PRS ID: 12-004(a)			SAMPLE TECH CODE: HA		
LOCATION ID: UNK			FIELD QC TYPE: NA		
LOCATION TYPE: GENERIC			FIELD PREP: NA		
TOP DEPTH: 0			SAMPLE USAGE: INV		
BOTTOM DEPTH: 0			SCREEN/PORT DESC:		
FIELD MATRIX: R			EXCAVATED: YES/NO/NA		
COMPOSITE TYPE:			COMPOSITE TIME INTERVAL:		
			WATER FLOWING: YES/NO/NA		
BOREHOLE: YES/NO/NA			BOREHOLE DECLINATION:		
			BOREHOLE DIRECTION:		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1		8082+8270+NME D-EXP	500 ML AMBER GLASS	Ice		
1		AM241+GS+ISO PU+ISOU	1 LITER POLY	None		
1		Met+U+ClO4+C N	1 GAL POLY	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

SAMPLE DESC:

SAMPLE COMMENTS:

LOCATION DESC:

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leftarrow$  \_\_\_\_\_ dpm  
Beta/Gamma  $\leftarrow$  \_\_\_\_\_ dpm

PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$

COLLECTED BY (PRINT)

REVIEWED BY (PRINT)

RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7278

WORK ORDER:

<u>AS PLANNED</u>		<u>AS COLLECTED</u>	<u>AS PLANNED</u>		<u>AS COLLECTED</u>
DATE COLLECTED(MM/DD/YYYY):			MEDIA: QBT3		
TIME COLLECTED (HH:MM)			SUB-MEDIA: TUFF 1		
PRS ID: 12-004(a)			SAMPLE TECH CODE: HA		
LOCATION ID: UNK			FIELD QC TYPE: NA		
LOCATION TYPE: GENERIC			FIELD PREP: NA		
TOP DEPTH: 0			SAMPLE USAGE: INV		
BOTTOM DEPTH: 0			SCREEN/PORT DESC:		
FIELD MATRIX: R			EXCAVATED: YES/NO/NA		
COMPOSITE TYPE:		COMPOSITE TIME INTERVAL:	WATER FLOWING: YES/NO/NA		
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION:	BOREHOLE DIRECTION:		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1		8082+8270+NME D-EXP	500 ML AMBER GLASS	Ice		
1		AM241+GS+ISO PU+ISOU	1 LITER POLY	None		
1		Met+U+CLO4+C N	1 GAL POLY	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

SAMPLE DESC:

SAMPLE COMMENTS:

LOCATION DESC:

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = \_\_\_\_\_ dpm

Beta/Gamma = \_\_\_\_\_ dpm

PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$ 

COLLECTED BY (PRINT)

REVIEWED BY (PRINT)

RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7279

WORK ORDER:

<u>AS PLANNED</u>		<u>AS COLLECTED</u>	<u>AS PLANNED</u>		<u>AS COLLECTED</u>
DATE COLLECTED(MM/DD/YYYY):			MEDIA:	QBT3	
TIME COLLECTED (HH:MM)			SUB-MEDIA:	TUFF 1	
PRS ID:	12-004(a)		SAMPLE TECH CODE:	HA	
LOCATION ID:	UNK		FIELD QC TYPE:	NA	
LOCATION TYPE:	GENERIC		FIELD PREP:	NA	
TOP DEPTH:	0		SAMPLE USAGE:	INV	
BOTTOM DEPTH:	0		SCREEN/PORT DESC:		
FIELD MATRIX:	R		EXCAVATED: YES/NO/NA		

COMPOSITE TYPE: \_\_\_\_\_ COMPOSITE TIME INTERVAL: \_\_\_\_\_ WATER FLOWING: YES/NO/NA

BOREHOLE: YES/NO/NA BOREHOLE DECLINATION: \_\_\_\_\_ BOREHOLE DIRECTION: \_\_\_\_\_

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1		8082+8270+NME D-EXP	500 ML AMBER GLASS	Ice		
1		AM241+GS+ISO PU+ISOU	1 LITER POLY	None		
1		Met+U+CLO4+C N	1 GAL POLY	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

SAMPLE DESC:

SAMPLE COMMENTS:

LOCATION DESC:

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = \_\_\_\_\_ dpm  
Beta/Gamma = \_\_\_\_\_ dpmPID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$ 

COLLECTED BY (PRINT)

REVIEWED BY (PRINT) \_\_\_\_\_

RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7280

WORK ORDER:

<u>AS PLANNED</u>	<u>AS COLLECTED</u>	<u>AS PLANNED</u>	<u>AS COLLECTED</u>
DATE COLLECTED(MM/DD/YYYY):		MEDIA:	QBT3
TIME COLLECTED (HH:MM)		SUB-MEDIA:	TUFF 1
PRS ID: 12-004(a)		SAMPLE TECH CODE:	HA
LOCATION ID: UNK		FIELD QC TYPE:	ED
LOCATION TYPE: GENERIC		FIELD PREP:	NA
TOP DEPTH: 0		SAMPLE USAGE:	QC
BOTTOM DEPTH: 0		SCREEN/PORT DESC:	
FIELD MATRIX: R		EXCAVATED: YES / NO / NA	
COMPOSITE TYPE:	COMPOSITE TIME INTERVAL:	WATER FLOWING: YES / NO / NA	
BOREHOLE: YES / NO / NA	BOREHOLE DECLINATION:	BOREHOLE DIRECTION:	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1		8082+8270+NME D-EXP	500 ML AMBER GLASS	Ice		
1		AM241+GS+ISO PU+ISOU	1 LITER POLY	None		
1		Met+U+CLO4+C N	1 GAL POLY	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

SAMPLE DESC: QC Sample of

SAMPLE COMMENTS:

LOCATION DESC:

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = \_\_\_\_\_ dpm  
Beta/Gamma = \_\_\_\_\_ dpmPID  $\frac{\text{Ambient Reading}}{\text{Reading}}$  = ppm

COLLECTED BY (PRINT)

REVIEWED BY (PRINT)

RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7281

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/11/2010		MEDIA:		QBT3	
TIME COLLECTED (HH:MM)		11:30		SUB-MEDIA:		TUFF 1	
PRS ID:	12-004(a)	12-002		SAMPLE TECH CODE:		HA	
LOCATION ID:	UNK	12-610787		FIELD QC TYPE:		ED	
LOCATION TYPE:	GENERIC	OK		FIELD PREP:		NA	
TOP DEPTH:	0	2.0 ft		SAMPLE USAGE:		QC	
BOTTOM DEPTH:	0	3.3 ft		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R			EXCAVATED: YES/NO/NA		NA	
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA		NA	
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION:		NA	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082-8270+NME D-EXP <i>1 gm 1/11/10</i>	500 ML AMBER GLASS	Ice	Y	
1		AM241+GS+ISO PU+ISOU	1 LITER POLY	None		
1		Met+U+CLO4+C N	1 GAL POLY <i>1 L 1 gm 1/11/10</i>	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

SAMPLE DESC: QC Sample of

RE12-10-8095 8095

Light brown, dry, *1 gm 1/11/10*

SAMPLE COMMENTS:

decomposed tuff

LOCATION DESC:

1A-32

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 33 dpm

Beta/Gamma = 2170 dpm

PID  $\frac{\text{Amirican Reading}}{0} = \text{ppm}$ 

COLLECTED BY (PRINT)

REVIEWED BY (PRINT) J Marin

RELINQUISHED BY (Printed Name) <i>Riley Evans</i> (Signature) <i>[Signature]</i>	Date/Time 1/11/10 1430	RECEIVED BY (Printed Name) <i>Jay [Signature]</i> (Signature) <i>[Signature]</i>	Date/Time 1/11/10 1430
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7282

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/08/2010		MEDIA:	QBT3		ok
TIME COLLECTED (HH:MM)		1304		SUB-MEDIA:	TUFF 1		↓
PRS ID:	12-004(a)	ok		SAMPLE TECH CODE:	HA		ok
LOCATION ID:	UNK	12-610545		FIELD QC TYPE:	FD		
LOCATION TYPE:	GENERIC	ok		FIELD PREP:	NA		
TOP DEPTH:	0	1.0		SAMPLE USAGE:	QC		↓
BOTTOM DEPTH:	0	3.0		SCREEN/PORT DESC:	NA		
FIELD MATRIX:	R	R		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		
				WATER FLOWING: YES/NO/NA			
BOREHOLE: YES/NO/NA				BOREHOLE DECLINATION:	NA		
				BOREHOLE DIRECTION:	NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+8270+NME D-EXP	500 ML AMBER GLASS	Ice	Y	
1	↓	AM241+GS+ISO PU+ISOU	1 LITER POLY 12m 108/10	None	Y	
1	↓	Met+U+CLO4+C N	1 GAL POLY 1 liter	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC: QC Sample of RE12-10-7265

Pinkish gray Tuff

SAMPLE COMMENTS:

NA

LOCATION DESC: 4a-11, drainage

## FIELD SCREENING/MEASUREMENT RESULTS:

$\alpha \leq 22$  dpm      PID  $\frac{\text{reading}}{\text{ambient}} = \frac{0.0}{0.0}$  ppm

BS  $\leq 3150$  dpm

COLLECTED BY (PRINT)

TL McFarland

REVIEWED BY (PRINT)

R. Saunders

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) R. Saunders	1/08/2010	(Printed Name) Sherri Sherwood	1/8/10
(Signature) R. Saunders	1517	(Signature) Sherri Sherwood	1517
RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name)		(Printed Name)	
(Signature)		(Signature)	



## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7283

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		<u>01/08/2010</u>		MEDIA:		<u>QBT3</u>	
TIME COLLECTED (HH:MM)		<u>1104</u>		SUB-MEDIA:		<u>TUFF 1</u>	
PRS ID: <u>12-004(a)</u>		<u>ok</u>		SAMPLE TECH CODE: <u>HA</u>		<u>ok</u>	
LOCATION ID: <u>UNK</u>		<u>12-610543</u>		FIELD QC TYPE: <u>ED</u>		<u>↓</u>	
LOCATION TYPE: <u>GENERIC</u>		<u>ok</u>		FIELD PREP: <u>NA</u>		<u>↓</u>	
TOP DEPTH: <u>0</u>		<u>0.0</u>		SAMPLE USAGE: <u>QC</u>		<u>↓</u>	
BOTTOM DEPTH: <u>0</u>		<u>1.0</u>		SCREEN/PORT DESC: <u>NA</u>			
FIELD MATRIX: <u>R</u>		<u>S</u>		EXCAVATED: YES/ <u>NO</u> /NA			
COMPOSITE TYPE: <u>NA</u>		COMPOSITE TIME INTERVAL: <u>NA</u>		WATER FLOWING: YES/ <u>NO</u> /NA			
BOREHOLE: YES/ <u>NO</u> /NA		BOREHOLE DECLINATION: <u>NA</u>		BOREHOLE DIRECTION: <u>NA</u>			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	<u>Normal</u>	8082+8270+NME D-EXP	500 ML AMBER GLASS	Ice	<u>Y</u>	
1	<u>↓</u>	AM241+GS+ISO PU+ISOU	1 LITER POLY <u>from 1/08/2010</u>	None	<u>Y</u>	
1	<u>↓</u>	Met+U+CLO4+C N	1 GAL POLY <u>1 Liter</u>	Ice	<u>Y</u>	
1	<u>↓</u>	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	<u>Y</u>	

SAMPLE DESC: QC Sample of RE12-10-7260

Frozen brown silty sand and some gray tuff, some roots and tuff rocks

SAMPLE COMMENTS:

1 bit tuff at 0.5 ft

LOCATION DESC: 4a-9, southeast of bunker

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha ← 38 dpm  
Beta/Gamma ← 2690 dpmPID  $\frac{\text{Ambient Reading}}{0.0} = \frac{0.0}{0.0}$  ppm  
HE negative

COLLECTED BY (PRINT)

TL McFarland

REVIEWED BY (PRINT)

R Saunders

RELINQUISHED BY (Printed Name) <u>R. Saunders</u> (Signature) <u>R. Saunders</u>	Date/Time <u>01/08/2010</u> <u>1517</u>	RECEIVED BY (Printed Name) <u>Sherri Sherwood</u> (Signature) <u>Sherri Sherwood</u>	Date/Time <u>1/8/10</u> <u>1517</u>
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7284

WORK ORDER:

<u>AS PLANNED</u>		<u>AS COLLECTED</u>	<u>AS PLANNED</u>		<u>AS COLLECTED</u>
DATE COLLECTED(MM/DD/YYYY):		<u>01/07/2010</u>	MEDIA:	<u>NA</u>	<u>OK</u>
TIME COLLECTED (HH:MM)		<u>1521</u>	SUB-MEDIA:	<u>OTHER</u>	
PRS ID:	<u>12-004(a)</u>	<u>OK</u>	SAMPLE TECH CODE:	<u>DC</u>	
LOCATION ID:	<u>UNK</u>		FIELD QC TYPE:	<u>FR</u>	
LOCATION TYPE:	<u>GENERIC</u>		FIELD PREP:	<u>UF</u>	
TOP DEPTH:	<u>0</u>		SAMPLE USAGE:	<u>QC</u>	
BOTTOM DEPTH:	<u>0</u>		SCREEN/PORT DESC:		
FIELD MATRIX:	<u>W</u>		EXCAVATED: YES/NO/NA	<u>NA</u>	
COMPOSITE TYPE:	<u>NA</u>		COMPOSITE TIME INTERVAL:	<u>NA</u>	
			WATER FLOWING: YES/NO/NA		
BOREHOLE: YES/NO/NA	<u>NO</u>		BOREHOLE DECLINATION:	<u>NA</u>	
			BOREHOLE DIRECTION:	<u>NA</u>	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	<u>NORMAL</u>	METALS+U-GEL	1 LITER POLY	Nitric Acid	<u>Y</u>	
1	<u>1</u>	SW-846:6850	250 ML POLY	Ice	<u>1</u>	
1	<u>1</u>	TCN	500 ML POLY	Sodium Hydroxide	<u>1</u>	

SAMPLE DESC: QC Sample of RE12-10-7255

## SAMPLE COMMENTS:

Water

## LOCATION DESC:

4a 4

## FIELD SCREENING/MEASUREMENT RESULTS:

NA

COLLECTED BY (PRINT)

L. Lopez

REVIEWED BY (PRINT)

J. Marin

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) <u>Larry Lopez</u>	<u>1/7/10</u>	(Printed Name) <u>V. G. - e - e</u>	<u>1/7/10</u>
(Signature) <u>Larry Lopez</u>	<u>16:00</u>	(Signature) <u>[Signature]</u>	<u>4:00</u>
RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name)		(Printed Name)	
(Signature)		(Signature)	

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7285

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/11/2010		MEDIA:	NA		OK
TIME COLLECTED (HH:MM)		08:20		SUB-MEDIA:	OTHER		
PRS ID:	12-004(a)			SAMPLE TECH CODE:	DC		
LOCATION ID:	UNK	OK		FIELD QC TYPE:	FR		
LOCATION TYPE:	GENERIC			FIELD PREP:	UF		
TOP DEPTH:	0			SAMPLE USAGE:	QC		
BOTTOM DEPTH:	0			SCREEN/PORT DESC:			
FIELD MATRIX:	W			EXCAVATED: YES/NO/NA			
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		
				WATER FLOWING: YES/NO/NA			
BOREHOLE: YES/NO/NA	NO			BOREHOLE DECLINATION:	NA		
				BOREHOLE DIRECTION:	NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	METALS+U-GEL	1 LITER POLY	Nitric Acid	Y	
1		SW-846:6850	250 ML POLY	Ice		
1		TCN	500 ML POLY	Sodium Hydroxide		

SAMPLE DESC: QC Sample of RE12-10-7271

SAMPLE COMMENTS:

LOCATION DESC:

12-610548

FIELD SCREENING/MEASUREMENT RESULTS:

NA

COLLECTED BY (PRINT)

REVIEWED BY (PRINT)

RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7286

WORK ORDER:

<u>AS PLANNED</u>		<u>AS COLLECTED</u>	<u>AS PLANNED</u>		<u>AS COLLECTED</u>
DATE COLLECTED(MM/DD/YYYY):		01/11/2010	MEDIA:	NA	OK
TIME COLLECTED(HH:MM)		08:30	SUB-MEDIA:	OTHER	
PRS ID:	12-004(a)	OK	SAMPLE TECH CODE:	DC	
LOCATION ID:	UNK	12-610548	FIELD QC TYPE:	ER	
LOCATION TYPE:	GENERIC		FIELD PREP:	UF	
TOP DEPTH:	0		SAMPLE USAGE:	QC	
BOTTOM DEPTH:	0		SCREEN/PORT DESC:		
FIELD MATRIX:	W		EXCAVATED: YES <input checked="" type="radio"/> NO <input type="radio"/> NA		
COMPOSITE TYPE:	NA		COMPOSITE TIME INTERVAL:	NA	
			WATER FLOWING: YES <input checked="" type="radio"/> NO <input type="radio"/> NA		
BOREHOLE: YES <input checked="" type="radio"/> NO <input type="radio"/> NA			BOREHOLE DECLINATION:	NA	
			BOREHOLE DIRECTION:	NA	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	METALS+U-GEL	1 LITER POLY	Nitric Acid	Y	
1		SW-846:6850	250 ML POLY	Ice		
1		TCN	500 ML POLY	Sodium Hydroxide		

SAMPLE DESC: QC Sample of

RE12-10-7271

SAMPLE COMMENTS:

LOCATION DESC:

12-610548

FIELD SCREENING/MEASUREMENT RESULTS:


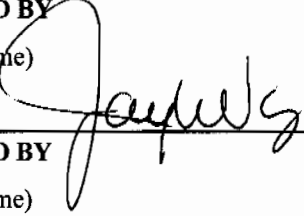
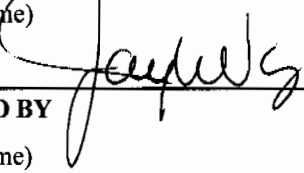
NA

COLLECTED BY (PRINT)

L. Lopez

REVIEWED BY (PRINT)

J. Main

RELINQUISHED BY (Printed Name) Riley Evans (Signature) 	Date/Time 1/11/10 14:30	RECEIVED BY (Printed Name)  (Signature) 	Date/Time 1/11/10 1430
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-7287

WORK ORDER:

<u>AS PLANNED</u>	<u>AS COLLECTED</u>	<u>AS PLANNED</u>	<u>AS COLLECTED</u>
DATE COLLECTED(MM/DD/YYYY):		MEDIA:	NA
TIME COLLECTED(HH:MM)		SUB-MEDIA:	OTHER
PRS ID: 12-004(a)		SAMPLE TECH CODE:	DC
LOCATION ID: UNK		FIELD QC TYPE:	ER
LOCATION TYPE: GENERIC		FIELD PREP:	UF
TOP DEPTH: 0		SAMPLE USAGE:	QC
BOTTOM DEPTH: 0		SCREEN/PORT DESC:	
FIELD MATRIX: W		EXCAVATED: YES/NO/NA	
COMPOSITE TYPE:		COMPOSITE TIME INTERVAL:	
		WATER FLOWING: YES/NO/NA	
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION:	
		BOREHOLE DIRECTION:	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1		METALS+U-GEL	1 LITER POLY	Nitric Acid		
1		SW-846:6850	250 ML POLY	Ice		
1		TCN	500 ML POLY	Sodium Hydroxide		

SAMPLE DESC: QC Sample of

SAMPLE COMMENTS:

LOCATION DESC:

FIELD SCREENING/MEASUREMENT RESULTS:

COLLECTED BY (PRINT)

REVIEWED BY (PRINT)

RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

not collected CPL  
for R 4 Marin  
1/13/10

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2480

EVENT NAME: 4th Qtr. FY09 - AOC 12-004(a) - Threemile Canyon

SAMPLE ID: RE12-10-12103

WORK ORDER:

AS PLANNED	AS COLLECTED	AS PLANNED	AS COLLECTED
DATE COLLECTED(MM/DD/YYYY):		MEDIA: OBT3	
TIME COLLECTED (HH:MM)		SUB-MEDIA: TUFF 1	
PRS ID: 12-002, 12-004(a)		SAMPLE TECH CODE: HA	
LOCATION ID: 12-610787		FIELD QC TYPE: NA	
LOCATION TYPE: GENERIC		FIELD PREP: NA	
TOP DEPTH: 2		SAMPLE USAGE: INV	
BOTTOM DEPTH: 3.3		SCREEN/PORT DESC:	
FIELD MATRIX: R		EXCAVATED: YES/NO/NA	
COMPOSITE TYPE:	COMPOSITE TIME INTERVAL:	WATER FLOWING: YES/NO/NA	
BOREHOLE: YES/NO/NA	BOREHOLE DECLINATION:	BOREHOLE DIRECTION:	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1		8082+8270+NME D-EXP	500 ML AMBER GLASS	Ice		
1		AM241+GS+ISO PU+ISOU	1 LITER POLY	None		
1		Met+U+CLO4+C N	1 GAL POLY	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

SAMPLE DESC:

SAMPLE COMMENTS: RE12-10-8095  
light brown, dry, decomposed tuff  
1a-32

LOCATION DESC:

FIELD SCREENING/MEASUREMENT RESULTS:

COLLECTED BY (PRINT)

REVIEWED BY (PRINT)

RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time