Field Activity Forms



Sampling Summary Forms





SUBSURFACE SOIL SAMPLING

2011 PBA ENVIRONMENTAL INVESTIGATION AND REMEDIATION AT 14 CR SITES USACE Contract No. W91QR-04-D-0039

CR Site No. CC-RVAAP- 83 CR Site Name: 3/dy 1039
Decision Unit: Building No Vertical Geoprobe No
Subsurface Sample Type: ☐ Horizontal ISM 💆 Vertical ISM ☐ Discrete ☐ Composite
Sample Date: $8/12/13$ Time: 114/ Weather: Pt. Cky 68
Subsurface Sample ID: 0835B-0003M-0001-50
Subsurface Sample ID: 08358-0003M-0001-SO HORIZONTAL: 1-4 FF 08358-0002M-0001-SO Duplicate Sample ID: NA 9-10 FF 08358-0015M-0001-SO
Tube A Time 1(33 Interval Drilled (ft bgs): 0-5 Recovery (ft/in): 200
Tube B Time 1/35 Interval Drilled (ft bgs): 5-10 Recovery (ft/in): 100
Tube C Time Interval Drilled (ft bgs) : Recovery (ft/in):
Field Samplers: <u>Lu, CG</u>
Subcontractor (Name/Company): Fronz (driller)
Remarks:
Laboratory Analysis:
▼ VOC ▼ TAL METALS SVOCs ▼ EXPLOSIVES TPH GRO/DRO PCBs PROPELLANTS
☐ FULL SUITE (VOCs, SVOCs, TAL Metals, Explosives, Propellants, PCBs, Pesticides)
☐ MS/MSD Sample Collected
☐ QA Sample Collected
RECORDED BY: DATE: 8/12/15



SUBSURFACE SOIL SAMPLING

2011 PBA ENVIRONMENTAL INVESTIGATION AND REMEDIATION AT 14 CR SITES USACE Contract No. W91QR-04-D-0039

CR Site No. CC-RVAAP- 83 CR Site Name: Bldg 1039
Decision Unit: Building No Vertical Geoprobe No
Subsurface Sample Type: ☐ Horizontal ISM 🔀 Vertical ISM ☐ Discrete ☐ Composite
Sample Date: 8/12/13Time: 1215 Weather: Pt. Cleg C8
Subsurface Sample ID: 08356-0004M-0001-SO
NSD _Duplicate Sample ID:
Tube A Time 1150 Interval Drilled (ft bgs): 0-5 Recovery (ft/in): (00
Tube B Time 1152 Interval Drilled (ft bgs): 5-10 Recovery (ft/in): 100
Tube C Time Interval Drilled (ft bgs) : Recovery (ft/in):
Field Samplers: RW, CG
Subcontractor (Name/Company): $\frac{Fronz}{dn/les}$
Remarks: NA
Laboratory Analysis:
☐ FULL SUITE (VOCs, SVOCs, TAL Metals, Explosives, Propellants, PCBs, Pesticides)
MS/MSD Sample Collected
☐ QA Sample Collected ☐
RECORDED BY: DATE: 8/12/13 (Signature)



SUBSURFACE SOIL SAMPLING

2011 PBA ENVIRONMENTAL INVESTIGATION AND REMEDIATION AT 14 CR SITES USACE Contract No. W91QR-04-D-0039

CR Site No. CC-RVAAP- 83 CR Site Name: Balding 1037
Decision Unit: Building No/039 Vertical Geoprobe No38 03
Subsurface Sample Type: ☐ Horizontal ISM 💆 Vertical ISM ☐ Discrete ☐ Composite
Sample Date: 8/12/13 Time: 1245 Weather: 68° Pr Cldy
Subsurface Sample ID: <u>0835B-0005M-0001-50</u>
Duplicate Sample ID: 083SB - 0006M - 0001 - SO QAID: 083SB - 0007M - 0001 - 50
Tube A Time 1218 Interval Drilled (ft bgs): 0-5 Recovery (ft/in):
Tube B Time 1220 Interval Drilled (ft bgs): 5-10 Recovery (ft/in): 100
Tube C Time Interval Drilled (ft bgs) : Recovery (ft/in):
Field Samplers: $\mathcal{R}\omega$ CG
Subcontractor (Name/Company): Front (driller)
Remarks: Remarks: QA for VOC/MTBE - SUOC - TAL Metals - Propellants + Explosives. Laboratory Analysis:
☐ FULL SUITE (VOCs, SVOCs, TAL Metals, Explosives, Propellants, PCBs, Pesticides)
MS/MSD Sample Collected
QA Sample Collected
RECORDED BY: DATE: 8/12/13 (Signature)



SUBSURFACE SOIL SAMPLING

2011 PBA ENVIRONMENTAL INVESTIGATION AND REMEDIATION AT 14 CR SITES USACE Contract No. W91QR-04-D-0039

CR Site No. CC-RVAAP- & 3 CR Site Name: Bldg 1039
Decision Unit:/ Building No/037 Vertical Geoprobe No <i>58</i> 04
Subsurface Sample Type: ☐ Horizontal ISM 💢 Vertical ISM ☐ Discrete ☐ Composite
Sample Date: 8 /12/13 Time: 13/5 Weather: 78-, PL. C/2-
Subsurface Sample ID: 08358-0008M-0001-50
Duplicate Sample ID: NA
Tube A Time <u>1249</u> Interval Drilled (ft bgs) : <u>0-</u> Recovery (ft/in): <u>(0</u>
Tube B Time 125/ Interval Drilled (ft bgs): 5-10 Recovery (ft/in): 100
Tube C Time Interval Drilled (ft bgs) : Recovery (ft/in):
Field Samplers: PW, CG
Subcontractor (Name/Company): Fronz (driller)
Remarks:
Laboratory Analysis:
□ VOC TAL METALS STOCES STEXEXPLOSIVES THE GRO/DRO DE PCBS TO PROPELLANTS
☐ FULL SUITE (VOCs, SVOCs, TAL Metals, Explosives, Propellants, PCBs, Pesticides)
☐ MS/MSD Sample Collected
□ QA Sample Collected
RECORDED BY: DATE: 8/12/13 (Signature)



SUBSURFACE SOIL SAMPLING

2011 PBA ENVIRONMENTAL INVESTIGATION AND REMEDIATION AT 14 CR SITES USACE Contract No. W91QR-04-D-0039

CR Site No. CC-RVAAP- 83 CR Site Name: Bleg. 1039
Decision Unit: Building No Vertical Geoprobe No SB
Subsurface Sample Type: ☐ Horizontal ISM ☐ Vertical ISM ☐ Discrete ☐ Composite
Sample Date: 8/12/13 Time: 1415 Weather: 80° PL. Cldy
Subsurface Sample ID: <u>08356-0009M-0001-50</u>
QA ID: Despite Sample ID: 0835B-0010M-0001-SO
DSB 7-1341 0875B-0014-000150
Tube A Time 1348 Interval Drilled (ft bgs): 0-5 Recovery (ft/in): (00
Tube B Time 135つ Interval Drilled (ft bgs): 5-10 Recovery (ft/in): (ょく)
Tube C Time 1352 Interval Drilled (ft bgs): 10-13 Recovery (ft/in):
Field Samplers: RW, CG
Subcontractor (Name/Company): Fronz (drilles)
Remarks: QA for SUOC-TALMetals - Explosives only
Laboratory Analysis:
▼ VOC TAL METALS SVOCS EXPLOSIVES □ TPH GRO/DRO □ PCBS PROPELLANTS
☐ FULL SUITE (VOCs, SVOCs, TAL Metals, Explosives, Propellants, PCBs, Pesticides)
☐ MS/MSD Sample Collected
QA Sample Collected
RECORDED BY: DATE: $8/2/13$ (Signature)
(Signature)



SUBSURFACE SOIL SAMPLING

2011 PBA ENVIRONMENTAL INVESTIGATION AND REMEDIATION AT 14 CR SITES USACE Contract No. W91QR-04-D-0039

CR Site No. CC-RVAAP- 83 CR Site Name: Bldg. 139
Decision Unit: Building No Vertical Geoprobe No SB C
Subsurface Sample Type: ☐ Horizontal ISM ☐ Vertical ISM ☐ Discrete ☐ Composite
Sample Date: 8/12/13 Time: 1440 Weather: 80° PL. Cl/
Subsurface Sample ID: 0835B - 0011M - 0001-50
Duplicate Sample ID: NA
Tube A Time 1420 Interval Drilled (ft bgs): 0-5 Recovery (ft/in): 100
Tube B Time 1422 Interval Drilled (ft bgs): 5-10 Recovery (ft/in): 103
Tube C Time Interval Drilled (ft bgs) : Recovery (ft/in):
Field Samplers: $\mathcal{L}\omega$, $\mathcal{C}G$
Subcontractor (Name/Company): Fronz (driller)
Remarks: NA
Laboratory Analysis:
TX VOC TX TAL METALS X SVOCS TX EXPLOSIVES ☐ TPH GRO/DRO ☐ PCBs TX PROPELLANTS
☐ FULL SUITE (VOCs, SVOCs, TAL Metals, Explosives, Propellants, PCBs, Pesticides)
☐ MS/MSD Sample Collected
☐ OA Sample Collected
RECORDED BY: DATE: 8/12/13 (Signature)



SUBSURFACE SOIL SAMPLING

2011 PBA ENVIRONMENTAL INVESTIGATION AND REMEDIATION AT 14 CR SITES USACE Contract No. W91QR-04-D-0039

CR Site No. CC-RVAAP- & 3 CR Site Name: Bldg. 1039
Decision Unit: Building No. <u>(039</u> Vertical Geoprobe No. <u>573 7</u>
Subsurface Sample Type: ☐ Horizontal ISM 【 Vertical ISM ☐ Discrete ☐ Composite
Sample Date: $\frac{9/12/13}{12}$ Time: $\frac{1455}{12}$ Weather: $\frac{81^{\circ}}{12}$ PL. C/L
Subsurface Sample ID: 0835B-0012M-0001-50
Duplicate Sample ID: NA
Tube A Time 1432 Interval Drilled (ft bgs): 6-5 Recovery (ft/in): 100
Tube B Time 434 Interval Drilled (ft bgs): 5-10 Recovery (ft/in): 100
Tube C Time Interval Drilled (ft bgs) : Recovery (ft/in):
Field Samplers: <u>CW, C6</u>
Subcontractor (Name/Company): Fronz (driller)
Remarks: NA
Laboratory Analysis:
□ VOC □ TAL METALS □ SVOCs □ EXPLOSIVES □ TPH GRO/DRO □ PCBs □ PROPELLANTS
FULL SUITE (VOCs, SVOCs, TAL Metals, Explosives, Propellants, PCBs, Pesticides)
☐ MS/MSD Sample Collected
☐ QA Sample Collected
RECORDED BY: DATE: 8-/2-13
(Signature)



SUBSURFACE SOIL SAMPLING

2011 PBA ENVIRONMENTAL INVESTIGATION AND REMEDIATION AT 14 CR SITES USACE Contract No. W91QR-04-D-0039

CR Site No. CC-RVAAP- 83 CR Site Name: Blg. 1039
Decision Unit: Building No/039 Vertical Geoprobe No
Subsurface Sample Type: ☐ Horizontal ISM 🕱 Vertical ISM ☐ Discrete ☐ Composite
Sample Date: 8/12/13 Time: 15 10 Weather: 81° Pt. cldg
Subsurface Sample ID: 0835B - 0013 M - 0001 - 50
Duplicate Sample ID: <u>VA</u>
Tube A Time 1443 Interval Drilled (ft bgs): 0- F Recovery (ft/in): / 0 0
Tube B Time /445 Interval Drilled (ft bgs): 65-10 Recovery (ft/in): 100
Tube C Time Interval Drilled (ft bgs) : Recovery (ft/in):
Field Samplers: <u>RW</u> , <u>CG</u>
Subcontractor (Name/Company): Fronz (driller)
Remarks: NA
Laboratory Analysis:
VOC TAL METALS SVOCs KEXPLOSIVES □ TPH GRO/DRO □ PCBs FOR PROPELLANTS
☐ FULL SUITE (VOCs, SVOCs, TAL Metals, Explosives, Propellants, PCBs, Pesticides)
☐ MS/MSD Sample Collected
□ QA Sample Collected
RECORDED BY: DATE: 8/12/13 (Signature)

Health and Safety Forms





ECC

DAILY SAFETY MEETING SIGN-IN SHEET

8	7-12-13	
Date:	H-13 Project Name/Location:	Ravenna AAP, Ravenna, OH
Company: E	CC Person Conducting Briefing:	Jeff Donovan
1. AWARENESS (e.g., special EHS	concerns, pollution prevention, recent	incidents, etc.):
Vehicle Awareness – Speed Limit on	Base	
Lifting Coolers, sampling equipment,	lift with your legs	
Level D PPE unless upgraded due to s	site conditions	
Use caution when working around dri	ll rig	
2. OTHER ISSUES (HASP change	s, new AHAs, attendee comments, etc.):	
 		
STAKE BONKL LOLA	HUNS W/ GPS AT BLU IAS	19 + BONN NO. 5
4. ATTENDEES (Print Name):		
Jeff Donovan	2. David C	ones
3. AL EASTERDAY	4. Zuch Nabl	400
5. Catherine Guido	6. Such A	
7. Poxann Williams.	8. 1 (b 4 2	THE STATE OF THE S
9. ERIC CHENG (USACE)	10 1 10 1	u)
11. Scott Kly (USACE)	12.	7
13. MIKE MCMAHON	14. michael W	. Me Mahon
15. DANTEL TOUNDEND	16.	e _
17.	18.	
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ECC

DAILY SAFETY MEETING SIGN-IN SHEET

Date: 8/14	//3 Project Name/Location:	Ravenna AAP, Ravenna, OH
Company: ECC	Project Name/Location: Person Conducting Briefing:	Jeff Donovan
1. AWARENESS (e.g., special EHS con	ncerns, pollution prevention, recent	incidents, etc.):
Vehicle Awareness – Speed Limit on Base		
Lifting Coolers, sampling equipment, lift	with your legs	
Level D PPE unless upgraded due to site of	conditions	
Use caution when working around drill rig		
2. OTHER ISSUES (HASP changes, ne - Check for ticks of the - watch your footing,	w AHAs, attendee comments, etc.):	
~~~		
3. DISCUSSION OF DAILY ACTIVIT  LONGINUM PRAIDCING A  LOCOTH SURVEY POIN		
4. ATTENDEES (Print Name):	1	
1. Jeff Donovan	2. Definite	
3. Catherine Guido	4. Ryan William	1/\/
5. AL KASTEADY	6. Zach Noble	
7. Huly Shaple	8. David Co	an Pav
9. DAN TOWNSEND	10.	
11. MIKE MCMAHON	12. michal W.	me mentos
13.	14.	
15.	16.	
17.	18.	
19.	20.	
21.	22.	
23.	24.	
25.	26.	
27.	28.	****
29	30	



# **Environmental Chemical Corporation**

# ACTIVITY HAZARD ANALYSIS TRAINING DOCUMENTATION

Project Name: Ravenna AAP, Ravenna, OH

Activity Hazard Analysis Review	AHA Title: DINGET DUSTE STATE OF THE STATE O
	BOND, NOCONTINION IN
<ul> <li>By signing below, I agree to the following:</li> <li>I agree to follow the work steps and implement to I agree to stop work when conditions or hazards the execution of work, or when work cannot be prexecution.</li> <li>I am qualified and fit to perform the work.</li> </ul>	he controls as written. change or when I encounter unexpected conditions during performed as written, or instructions become unclear during
Worker (Signature / Date)	Worker (Signature / Date)
Zuchany Noble Zely MILL 4/12/13	3
Zechang Noble Zely Mill 4/12/13 Worker (Signature / Date)  Worker (Signature / Date)  Worker (Signature / Date)	Worker (Signature / Date)
Worker (Signature / Date)	Worker (Signature / Date)
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Vorker (Signature / Date)	Worker (Signature / Date)





#### VISITOR INFORMATION FORM

PROJECT NAME:	8-12-13
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You are entering a hazardous waste/construction-site. Unprotected exposure to hazardous chemicals can cause mild to serious health effects. Heavy equipment operations and other inherently dangerous work are underway. You will remain with your designated escort at all times and follow their instructions for your safety and the safety of others. Minimum requirement for personal protective equipment is Level D protection (hard hat, ANSI-approved safety footwear, and safety glasses). Equipment issued must be returned prior to leaving the site.

#### VISITOR'S CERTIFICATION

I acknowledge that I have been advised of the dangers present at this hazardous waste site facility. I agree to immediately follow all directions given by my escort on-site. I also certify that I do relieve ECC, the U.S. Government, the applicable state in which the project site is located, their officers, employees, and agents of all liability of all consequences raising from and related to the potential hazards associated with entry to this site.

PRINT NAME	SIGNATURE	DATE	
ERIC CHENGE SCATT KNITY	\$ Pho	8/12/13	
SCATT Ruly	Tam my	8/12/13	



**Field Notes** 



Mon, 12 Huro 13 TASON ScOTT, P. 6-ECC Weether: Oust, 75°, W SW 0-5. Personels ECC, Fronte Objectives: Soil Scroby @ CC-83 JS onsiff. Reviews dily + . get Has Stilt. Keviews other dors. 1040 Stby for Field Unione of bore hole bushing based on Observed sever line location. 1143 Bogin Boring @ 58-1. Sec boring logs for detrile 1200 Per JD, VOC pemples @ ? 395 or highest significant PID. Hedspie Rediss come I'm Con + every 2' from covered J. 4.3. 1500 Drillers complete soring (20083 + Mobe to Bldg. 1034 to be gin Coring. 1540 Begin drilling@ Bldg 1034, 5B-20 DID LLO 8'0 SB-20. W15/2004 1650 Mas 4 1036.

Tue. 13 Aug 13 KUAAP VASON SCOTI, P. 6.8CL Weether: Pt. Cly, 68°F, NWe2:6 Personel: Frantz; ECC Objectives: Collect Sub soil semples @ CC71 OTOD All pursons @ 1036, see teilgake log. 0730 Mole to CC71, Ban 5. 0815 Begin DP drilling @ 58-1 0520 Even doth PID Radings from hedgane jes a odd PID readings from lines. 1045 Complete boring on N side of Pass. Drillers mobe to S. side of force. 1130 seger DPO 589 of S. Side Alace. 1440 Finehed Q CC71, make to 8kg. 10 36 Her supplies 1530 RW, JS, Fronte @ 8kg. U-10. 1533 Begin DP @ U-10, 583. 1700 DP drilling complete Drillers Demote for day. 1700 RW. JS make to 1036.

RUAAD Wed, 14 Au, 13
Weather; Ovest, 68°, THON SCOTI, P.11-ECC
Personnel; JS, CG, RW, Frontz
Objectives: Complete CC74, CC83, 10072

73 e Bllg 636. 0700 Mote to 1634. 073 Begn DPB 88-21. 0746 5405 PED Recting very stouly Celibrak beckup PID. G'E 0820 racing = 100 ppm. Mode To Blbg 1039. 0840 DP @ SB-5 to collect UOC 9854 scaples. See covery lay from 12 Aug. Bly was vocs @ 3' 0900 1' Uxse 6' 0905 0910 " Vocse8' Mose to 1036, for more 0915 Mobe to CC75. Collect Hy saraples 0920 1036 Begin DSB@ CC72-08 M. 4 . RUSS 1100 1133 Surveyors locates SB-5@ RU-88 12 27 Begn Busy @ CC72-88-2 1303 Begin DSBQ RV-41, SB61 1347 Begn DSBC CC72-01, 5803 1355 Obstruction @ 3'. Move DoB to

RUAAP 14 Amy 13 1355 cont. contraide with 58-05. 1415 Mobe to 1036. Drillers to Le -con. 1445 JS moks to Query Pords to arest surveyors. JS mosts to 1036. 1700 End of day.

**Photoionization Detector Calibration Forms** 



## **INSTRUMENT CALIBRATION LOG**

Project/Site Name Rquenna, OH Calibrated By David Gmeav

Instrument/Se	erial Number	Pre-calibration Reading	Post-calibration Reading	Calibration Gas/Concentration	Date
MiniRae <del>3000</del> PID <b>3000</b>	08796	0.0 / 100	0.0 /98.3	Isobutylene / 100ppm	8-12-13
MiniRae 3000 PID	08796	0.0/100	0.0/95.6	Isobutylene / 100ppm	8-13-13
MiniRae 3000 PID	08796	0.0/100	0.0/98.1	Isobutylene / 100ppm	8-14-13
MiniRae 3000 PID 2000	012669	0.0/100	0.0/97.6	Isobutylene / 100ppm	311413
MiniRae 3000 PID				Isobutylene / 100ppm	
MiniRae 3000 PID				Isobutylene / 100ppm	
MiniRae 3000 PID				Isobutylene / 100ppm	
MiniRae 3000 PID				Isobutylene / 100ppm	
MiniRae 3000 PID				Isobutylene / 100ppm	
MiniRae 3000 PID	*			Isobutylene / 100ppm	
MiniRae 3000 PID				Isobutylene / 100ppm	
MiniRae 3000 PID				Isobutylene / 100ppm	

