

Appendix F: *Laboratory Storage Stability*

Appendix F Tables:

Table F1. Storage Stability Results:
Chlorpyrifos (CPF) and Chlorpyrifos-oxon (CPF-Oxon)

Table F2. Storage Stability Results:
Azinphosmethyl (AZ) AZ-oxon, Phosmet(PH), and Malathion (MA)

Appendix F: Lab Storage Stability Key Terms

- id= identification
- ng= nanogram
- ng/sample= nanograms per sample
- CPF= chlorpyrifos
- AZ= azinphosmethyl
- PH= phosmet
- MA= malathion
- recov= recovery
- st. dev= standard deviation

**Table F1. Storage Stability Results:
 Chlorpyrifos (CPF) and Chlorpyrifos-oxon (CPF-Oxon)**

Id	# replicates	storage (day) ^a	CPF		CPF-Oxon	
			recovery ^b %	st. dev %	recovery ^a %	st. dev %
Spiked on May 9, 2008 12.5 ng/sample						
STA-13-15	3	221	81.0	1.8	na	
STA-16-18	3	249	86.2	4.9	na	
STA-22-24	3	279	78.1	1.5	na	
Spiked on November 13, 2008 25 ng/sample						
QC121508	4	0	100.0	3.1	100.0	2.5
STA-1-3	3	33	90.1	1.1	75.7	7.4
STA-4-6	3	61	92.6	2.4	81.2	3.3
STA-7-9	3	91	87.2	6.2	79.8	5.0
STA-10-12	3	117	85.9	1.6	76.3	6.3
STA-13-15	3	151	82.7	3.4	74.1	3.9
STA-16-18	3	181	85.4	5.2	72.8	17.9
STA-19-21 ^c	3	242	82.3	1.5	63.3	25.8
Footnote						
^a The range of storage for the field samples were 171-236 days.						
^b All spike recoveries are corrected to the laboratory quality control results for the date of analysis.						
^c Table updated with final storage stability sample analysis at 242 days						

**Table F2. Storage Stability Results:
 Azinphosmethyl (AZ) AZ-oxon, Phosmet(PH), and Malathion (MA)**

Id	# replicates	storage (day) ^a	AZ		AZ-oxon		PH		MA	
			recovery ^b %	st. dev %	recovery ^a %	st. dev %	recovery ^a %	st. dev %	recovery ^a %	st. dev %
Spiked on May 20, 2008 50 ng/sample										
QC 011309	4	0	100.0	6.9	100.1	6.9	100.0	6.8	100.0	6.3
STA-01-06	6	209	90.4	2.4	76.1	10.0	75.3	18.4	87.2	9.8
STA-07-12	6	238	102.8	3.6	89.9	7.4	95.4	13.6	101.1	8.8
STA-13-18	6	269	89.4	1.6	78.1	5.7	82.5	11.3	88.4	6.2
STA-19-21	3	294	86.0	1.7	79.2	3.5	82.2	8.7	87.5	4.6
Footnotes										
^a The range of storage for the field samples were 126-202 days.										
^b All spike recoveries are corrected to the laboratory quality control results for the date of analysis.										