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**EVALUATION OF WEAPONS' COMBUSTION PRODUCTS
IN ARMORED VEHICLES**

Final Report

Appendix C: Summary of Descriptive Statistics (PROC TABULATE)

Appendix D: Summary of Comparative Statistics

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9. ABSTRACT (Continue on reverse if necessary and identify by block number) The U.S. Army Biomedical Research and Development Laboratory defined an extensive research program to address the generation of potentially toxic propellant combustion products in crew compartments of armored vehicles during weapons firing. The major objectives of the research were (1) to determine the presence and concentration of propellant combustion products, (2) to determine potential crew exposure to these combustion products, and (3) to assess the efficacy of field monitoring in armored vehicles. To achieve these goals, air monitoring was conducted in selected armored vehicle types, i.e., M109, M60, M3, M1, at several Army installations. Auxiliary information concerning the specific munitions fired and the Training and Doctrine Command (TRADOC) or Forces Command (FORSCOM) firing scenarios was collected so that a comparison of pollutant concentrations generated by specific weapons both within vehicle types and between vehicle types could be made.			
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19. ABSTRACT (continued)

The characterization of the airborne combustion products in armored vehicles during weapons firing exercises was facilitated by the use of optimized sampling and analysis methods to permit the collection of large sample volumes and thus enhance the ability to identify and quantify trace pollutants. Inorganic gases and members of several compound classes were found in one or more armored vehicles during firing:

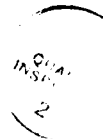
WEAPON POLLUTANTS

Carbon Monoxide	Vapor Phase Organics
Ammonia	Aldehydes
Carbon Dioxide	Polycyclic Aromatic Hydrocarbons (PAHs)
Hydrogen Cyanide	Nitro-PAHs
Hydrogen Sulfide	Particulates (Total, Respirable)
Nitrogen Oxides	Metals
Sulfur Dioxide	

On a few occasions, carbon monoxide was observed to exceed the NRC recommended emergency and continuous exposure limit, which is 1500 ppm, for up to 40 minutes in tanks (M1 and M60). Carbon monoxide was observed to exceed 2000 ppm for shorter periods in all vehicles except the M3, where the peak level was 1300 ppm. Mean carbon monoxide concentrations ranged from 3.6 to 4.7 ppm in the non-tank vehicles (M3 and M109) and from 35 to 43 ppm in the tanks. With few exceptions, the maximum concentrations of all other pollutants in all vehicles were less than their respective threshold limit values and short-term emergency exposure levels.

The peak instantaneous concentrations of pollutants generated during weapon firing, and to which crewmen such as the ammunition loader are exposed, may exceed 500 times the average concentrations inside vehicles. These peak excursions are very localized and short-lived. Carbon monoxide, which is a major combustion product, is observed at statistically significantly higher mean and peak concentrations in tanks (M1; M60) compared to non-tank vehicles (M3; M109). All other pollutants are generally observed at higher levels in tanks than non-tank vehicles, although the statistical significance of this observation is affected by sample size and variability.

The rigor and complexity of field sampling in armored vehicles during firing exercises can be successfully dealt with if proper planning and careful limitation of the duration of sampling is followed. The use of sampling vests for breathing zone measurements is feasible although subject to failure due to the activity of the subject.



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APPENDIX C

SUMMARY OF DESCRIPTIVE STATISTICS (PROC TABULATE)

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CONCENTRATION OF CARBON MONOXIDE (PPM)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE													
		SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		FIRECONC		FIRECONC		FIRECONC		FIRECONC		FIRECONC		FIRECONC		FIRECONC	
		# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX
POSITION DAY															
COMMAND															
	1	5.0 2250.0	1.0	360.0	5.0	800.0	4.0	1030.0	5.0	1110.0	2.0	2060.0	22.0	2250.0	
	2	5.0 430.0	.	.	5.0	1290.0	.	.	5.0	2280.0	2.0	2280.0	17.0	2280.0	
	3	3.0 360.0	.	.	.	.	.	.	.	.	.	.	3.0	360.0	
	4	4.0 200.0	.	.	.	.	.	.	.	.	.	.	4.0	200.0	
	ALL	17.0 2250.0	1.0	360.0	10.0	1290.0	4.0	1030.0	10.0	2280.0	4.0	2280.0	46.0	2280.0	
DRIVER															
	1	4.0 920.0	1.0	30.0	4.0	220.0	4.0	580.0	5.0	880.0	4.0	830.0	22.0	920.0	
	2	5.0 1280.0	.	.	4.0	590.0	.	.	5.0	630.0	4.0	1280.0	18.0	1280.0	
	3	3.0 80.0	.	.	.	.	.	.	.	.	.	.	3.0	80.0	
	4	4.0 640.0	.	.	.	.	.	.	.	.	.	.	4.0	640.0	
	ALL	16.0 1280.0	1.0	30.0	8.0	590.0	4.0	580.0	10.0	880.0	8.0	1280.0	47.0	1280.0	
LOADER															
	1	4.0 410.0	2.0	240.0	5.0	170.0	4.0	2290.0	5.0	1090.0	3.0	2290.0	23.0	2290.0	
	2	4.0 460.0	.	.	5.0	1020.0	.	.	5.0	820.0	4.0	1740.0	18.0	1740.0	
	3	3.0 60.0	.	.	.	.	.	.	.	.	.	.	3.0	60.0	
	4	4.0 160.0	.	.	.	.	.	.	.	.	.	.	4.0	160.0	
	ALL	15.0 460.0	2.0	240.0	10.0	1020.0	4.0	2290.0	10.0	1090.0	7.0	2290.0	48.0	2290.0	
ALL															
	1	13.0 2250.0	4.0	360.0	14.0	800.0	12.0	2290.0	15.0	1110.0	9.0	2290.0	67.0	2290.0	
	2	14.0 1280.0	.	.	14.0	1290.0	.	.	15.0	2280.0	10.0	2280.0	53.0	2280.0	
	3	9.0 360.0	.	.	.	.	.	.	.	.	.	.	9.0	360.0	
	4	12.0 640.0	.	.	.	.	.	.	.	.	.	.	12.0	640.0	

(CONTINUED)

CONCENTRATION OF CARBON MONOXIDE (PPM)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE									
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL			
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC			
		# OF	# OF	# OF	# OF	# OF	# OF	# OF			
		VEHS.	VEHS.	VEHS.	VEHS.	VEHS.	VEHS.	VEHS.			
		MAX	MAX	MAX	MAX	MAX	MAX	MAX			
ALL	FALL	48.0	360.0	28.0	1290.0	12.0	12290.0	30.0	12280.0	19.0	12290.0
		141.0	12290.0								

CONCENTRATION OF CARBON MONOXIDE (PPM)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FOR & VEHICLE TYPE											
		SULL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION	DAY												
COMMAND	1	5.0	440.0	3.0	2280.0	5.0	960.0	3.0	2280.0	4.0	750.0	3.0	2120.0
	2	5.0	540.0			5.0	970.0			4.0	1330.0	4.0	2200.0
	3	3.0	110.0										
	4	4.0	80.0										
	ALL	17.0	540.0	3.0	2280.0	10.0	970.0	3.0	2280.0	8.0	1330.0	7.0	2200.0
DRIVER	1												
	2	4.0	540.0	2.0	140.0	5.0	270.0	3.0	720.0	4.0	2260.0	2.0	1090.0
	3	4.0	480.0			5.0	510.0			4.0	570.0	3.0	1410.0
	4	2.0	110.0										
	ALL	13.0	540.0	2.0	140.0	10.0	510.0	3.0	720.0	8.0	2260.0	5.0	1410.0
GURNER	1												
	2												
	3												
	4												
	ALL												
LOADER	1												
	2												
	3												
	4												
	ALL												

(CONTINUED)

CONCENTRATION OF CARBON MONOXIDE (PPM)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORI & VEHICLE TYPE											
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
ALL		DAY											
	1	14.0	2270.0	7.0	2280.0	15.0	960.0	14.0	2290.0	14.0	2260.0	13.0	2290.0
	2	14.0	680.0	.	15.0	970.0	.	15.0	2140.0	15.0	2310.0	15.0	2310.0
	3	8.0	330.0	.	.	.	.	.	.	.	.	8.0	330.0
	4	10.0	100.0	.	.	.	.	.	.	.	.	10.0	100.0
	ALL	46.0	2270.0	7.0	2280.0	30.0	970.0	14.0	2290.0	29.0	2260.0	28.0	2310.0

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE																	
		STUC-M109			BENNING-M3			KROX-M60			CARSON-M60			KNOX-M1			ALL		
		FIRE CONC			FIRE CONC			FIRE CONC			FIRE CONC			FIRE CONC			FIRE CONC		
		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD	
POSITION/DAY																			
COMBAND		1	532.0	961.1	360.0		422.0	244.7	417.5	417.6	490.0	397.9	2030.0	42.4	615.9	673.9			
		2	240.0	145.8		190.0	475.8			11346.0	859.6	2280.0	0.0	967.1	825.8				
		3	163.3	171.0											163.3	171.0			
		4	85.0	79.4											85.0	79.4			
ALL			275.9	522.9	360.0		606.0	406.0	417.5	417.6	918.0	176.1	2155.0	146.4	670.0	733.8			
DRIVER		1 DAY																	
		1	507.5	300.2	30.0		127.5	66.0	415.0	137.7	406.0	313.0	555.0	295.4	385.5	273.1			
		2	384.0	511.7			345.0	193.6			346.0	201.2	820.0	520.8	461.7	405.9			
		3	66.7	11.5											66.7	11.5			
		4	240.0	270.4											240.0	270.4			
ALL			319.4	357.4	30.0		236.3	177.4	415.0	137.7	576.0	250.1	687.5	416.7	381.9	332.3			
LOADER		1 DAY																	
		1	220.0	139.3	135.0		108.5	41.5	1670.0	800.5	586.0	368.8	2166.7	196.6	773.9	855.5			
		2	217.5	174.8			480.0	343.2			610.0	261.9	1240.0	452.8	626.7	468.8			
		3	43.3	15.3											43.3	15.3			
		4	70.0	66.8											70.0	66.8			
ALL			144.0	136.5	135.0		294.5	302.6	1670.0	800.5	598.0	301.8	1637.1	600.6	614.4	693.5			
ALL		1 DAY																	
		1	428.5	596.9	165.0		225.7	207.5	854.2	768.9	494.0	343.4	1420.0	847.8	594.5	661.9			
		2	285.0	316.4			552.1	389.3			767.3	658.9	1280.0	689.7	679.8	616.4			
		3	91.1	102.2											91.1	102.2			
		4	131.7	171.2											131.7	171.2			
ALL			249.2	380.6	165.0		383.9	348.3	854.2	768.9	630.7	534.6	1346.3	750.0	555.0	621.6			

CONCENTRATION OF CARBON MONOXIDE (PPM)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF POST & VEHICLE TYPE																
		CARSON-M109			BENNING-M3			KNOX-M60			CARSON-M60			KNOX-M1			ALL	
		FIRE CONC			FIRE CONC			FIRE CONC			FIRE CONC			FIRE CONC			FIRE CONC	
		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD
POSITION	DAY																	
COMMAND	1	160.0	158.3	856.7	1232.9	482.0	300.8	1686.7	520.0	655.0	102.5	1563.3	720.2	789.1	734.3			
	2	274.0	164.3			640.0	199.5			11010.0	452.5	11640.0	945.3	842.8	687.7			
	3	100.0	10.0												100.0	10.0		
	4	57.5	20.6												57.5	20.6		
	ALL	158.8	143.0	856.7	1232.9	561.0	254.6	1686.7	520.0	832.5	358.2	1607.1	788.3	705.2	702.3			
DRIVER	1	197.5	229.8	75.0	91.9	170.0	97.0	586.7	173.9	1282.5	1137.7	1015.0	106.1	535.5	665.2			
	2	260.0	159.0			264.0	144.7			420.0	147.2	746.7	603.5	392.5	314.7			
	3	100.0	14.1												100.0	14.1		
	4	76.7	25.2												76.7	25.2		
	ALL	173.8	159.9	75.0	91.9	217.0	126.2	586.7	173.9	851.3	881.2	854.0	454.5	424.9	518.0			
GUNNER	1																	
	2																	
	3																	
	4																	
	ALL																	
LOADER	1	672.0	926.8	195.0	205.1	296.0	183.9	2177.5	141.7	580.0	108.2	2105.0	363.4	1047.8	936.9			
	2	348.0	214.6			516.0	255.0			1186.7	832.9	1857.5	404.0	900.6	728.7			
	3	173.3	140.1												173.3	140.1		
	4	40.0	26.5												40.0	26.5		
	ALL	358.8	551.4	195.0	205.1	406.0	239.5	2177.5	141.7	883.3	626.6	1981.3	379.5	870.7	844.8			
ALL	1	353.6	587.5	404.3	816.3	316.0	236.2	1612.9	646.4	887.1	661.5	1665.4	586.6	901.9	811.1			

(CONTINUED)

CONCENTRATION OF CARBON MONOXIDE (PPM)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE															
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL									
		TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC									
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.									
		MAX	MAX	MAX	MAX	MAX	MAX	MAX									
POSITION DAY																	
COMMAND	1	5.0	18.0	1.0	16.0	5.0	10.0	4.0	70.0	5.0	71.0	2.0	60.0	22.0	71.0		
	2	5.0	10.0	.	.	5.0	9.0	.	.	5.0	103.0	2.0	70.0	17.0	103.0		
	3	3.0	8.0	.	.	.	.	.	.	.	.	.	.	3.0	8.0		
	4	4.0	2.0	.	.	.	.	.	.	.	.	.	.	4.0	2.0		
	ALL	17.0	18.0	1.0	16.0	10.0	10.0	4.0	70.0	10.0	103.0	4.0	70.0	46.0	103.0		
DRIVER DAY																	
1	4.0	8.0	1.0	0.0	0.0	4.0	3.0	4.0	40.0	5.0	113.0	4.0	20.0	22.0	113.0		
2	5.0	16.0	.	.	.	4.0	10.0	.	.	5.0	94.0	4.0	30.0	18.0	94.0		
3	3.0	2.0	.	.	.	.	.	.	.	.	.	.	.	3.0	2.0		
4	4.0	4.0	.	.	.	.	.	.	.	.	.	.	.	4.0	4.0		
ALL	16.0	16.0	1.0	0.0	0.0	8.0	10.0	4.0	40.0	10.0	113.0	8.0	30.0	47.0	113.0		
LOADER DAY																	
1	4.0	7.0	2.0	4.0	4.0	5.0	4.0	4.0	90.0	5.0	77.0	3.0	60.0	23.0	90.0		
2	4.0	8.0	.	.	.	5.0	11.0	.	.	5.0	80.0	4.0	40.0	18.0	80.0		
3	3.0	2.0	.	.	.	.	.	.	.	.	.	.	.	3.0	2.0		
4	4.0	2.0	.	.	.	.	.	.	.	.	.	.	.	4.0	2.0		
ALL	15.0	8.0	2.0	4.0	10.0	11.0	11.0	4.0	90.0	10.0	80.0	7.0	60.0	48.0	90.0		
ALL DAY																	
1	13.0	18.0	4.0	16.0	14.0	10.0	10.0	12.0	90.0	15.0	113.0	9.0	60.0	67.0	113.0		
2	14.0	16.0	.	.	.	14.0	11.0	.	.	15.0	103.0	10.0	70.0	53.0	103.0		
3	9.0	8.0	.	.	.	.	.	.	.	.	.	.	.	9.0	8.0		
4	12.0	4.0	.	.	.	.	.	.	.	.	.	.	.	12.0	4.0		

(CONTINUED)

CONCENTRATION OF CARBON MONOXIDE (PPM)

SAMPLE TYPE GENERAL AREA

COMBINATION OF FORT & VEHICLE TYPE															
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-F160	KNOX-M1	ALL							
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	
ALL	FALL	48.0	18.0	4.0	16.0	28.0	11.0	12.0	90.0	30.0	113.0	19.0	70.0	141.0	113.0

CONCENTRATION OF CARBON MONOXIDE (PPM)

SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE													
		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC	
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY													
COMMAND													
1		5.0	5.0	3.0	13.0	5.0	6.0	3.0	60.0	4.0	64.0	3.0	50.0
2		5.0	8.0	.	.	5.0	7.0	.	.	4.0	26.0	4.0	50.0
3		3.0	5.0	.	.	.	.	.	.	.	.	.	3.0
4		4.0	2.0	.	.	.	.	.	.	.	.	.	4.0
ALL		17.0	8.0	3.0	13.0	10.0	7.0	3.0	60.0	8.0	64.0	7.0	50.0
DRIVER													
DAY		.	.	.	.	.	.	.	.	.	.	.	.
1		4.0	13.0	2.0	4.0	5.0	13.0	3.0	50.0	4.0	66.0	2.0	40.0
2		4.0	9.0	.	.	5.0	15.0	.	.	4.0	91.0	3.0	40.0
3		2.0	6.0	.	.	.	.	.	.	.	.	.	2.0
4		3.0	4.0	.	.	.	.	.	.	.	.	.	3.0
ALL		13.0	13.0	2.0	4.0	10.0	15.0	3.0	50.0	8.0	91.0	5.0	40.0
GUNNER													
DAY		.	.	.	.	.	.	.	.	.	.	.	.
1		.	.	.	.	.	.	4.0	70.0	3.0	83.0	4.0	70.0
2		.	.	.	.	.	.	.	.	4.0	108.0	4.0	60.0
ALL		.	.	.	.	.	.	4.0	70.0	7.0	108.0	8.0	70.0
LOADER													
DAY		.	.	.	.	.	.	.	.	.	.	.	.
1		5.0	20.0	2.0	5.0	5.0	7.0	4.0	100.0	3.0	64.0	4.0	590.0
2		5.0	8.0	.	.	5.0	8.0	.	.	3.0	79.0	4.0	50.0
3		3.0	13.0	.	.	.	.	.	.	.	.	.	3.0
4		3.0	1.0	.	.	.	.	.	.	.	.	.	3.0
ALL		16.0	20.0	2.0	5.0	10.0	8.0	4.0	100.0	6.0	79.0	8.0	590.0

(CONTINUED)

CONCENTRATION OF CARBON MONOXIDE (PPM)

4

SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE													
SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC	
# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX
ALL		DAY											
1	14.0	20.0	7.0	13.0	15.0	14.0	100.0	14.0	83.0	13.0	590.0	77.0	590.0
2	14.0	9.0	.1	15.0	15.0	.1	.1	15.0	108.0	15.0	60.0	59.0	108.0
3	8.0	13.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	8.0	13.0
4	10.0	4.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	10.0	4.0
ALL	46.0	20.0	7.0	13.0	30.0	15.0	14.0	100.0	29.0	108.0	28.0	154.0	590.0

CONCENTRATION OF CARBON MONOXIDE (PPM)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF PORT & VEHICLE TYPE													
		SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY															
COMMAND	1	5.4	7.1	16.0		4.4	3.2	27.5	29.9	31.2	25.9	50.0	14.1	19.6	22.6
	2	5.8	2.8			6.8	2.3			49.0	41.4	50.0	28.3	24.0	30.9
	3	5.0	3.6											5.0	3.6
	4	1.3	0.5											1.3	0.5
	ALL	4.5	4.4	16.0		5.6	2.9	27.5	29.9	40.1	33.9	50.0	18.3	18.7	25.1
DRIVER	1	4.5	2.6	0.0		2.0	0.8	25.0	10.0	38.6	43.8	15.0	5.8	17.2	24.4
	2	6.8	5.6			5.8	3.1			35.6	41.1	12.5	12.6	15.8	24.5
	3	1.0	1.0											1.0	1.0
	4	1.8	1.5											1.8	1.5
	ALL	3.9	4.0	0.0		3.9	2.9	25.0	10.0	37.1	40.1	13.8	9.2	14.3	22.9
LOADER	1	3.3	2.6	2.0	2.8	1.8	1.3	45.0	31.1	32.0	28.2	33.3	25.2	20.3	25.7
	2	5.0	3.2			7.4	2.9			31.0	31.6	22.5	12.6	16.8	19.8
	3	1.7	0.6											1.7	0.6
	4	0.8	1.0											0.8	1.0
	ALL	2.7	2.6	2.0	2.8	4.6	3.6	45.0	31.1	31.5	28.3	27.1	18.0	16.2	22.2
ALL	1	4.5	4.6	5.0	7.6	2.8	2.3	32.5	24.9	33.9	31.3	28.9	20.3	19.0	24.0
	2	5.9	3.9			6.7	2.6			38.5	36.3	24.0	20.1	18.8	25.1
	3	2.6	2.7											2.6	2.7
	4	1.3	1.1											1.3	1.1
	ALL	3.7	3.8	5.0	7.6	4.8	3.1	32.5	24.9	36.2	33.4	26.3	19.8	16.4	23.3

CONCENTRATION OF CARBON MONOXIDE (PPM)

8

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE															
POSITION	DAY	SILL-M109		CARSON-M109		BLNNG-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
		TOICONC		TOICONC		TOICONC		TOICONC		TOICONC		TOICONC		TOICONC			
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
COMMAND	1	2.2	1.9	5.7	6.7	2.8	1.9	30.0	26.5	28.5	26.4	33.3	20.8	15.0	19.9		
	2	5.0	2.8			5.0	1.6			14.8	8.5	22.5	22.2	11.1	12.6		
	3	2.0	2.6											2.0	2.6		
	4	0.5	1.0											0.5	1.0		
	ALL	2.6	2.6	5.7	6.7	3.9	2.0	30.0	26.5	21.6	19.6	27.1	20.6	11.5	16.3		
DRIVER	DAY																
	1	4.0	6.2	2.0	2.8	3.6	5.4	43.3	5.8	30.0	25.7	30.0	14.1	17.4	20.0		
	2	5.3	3.3			7.4	5.5			42.0	43.9	16.7	20.8	17.3	26.2		
	3	4.0	2.8											4.0	2.8		
	4	2.0	2.0											2.0	2.0		
GUNNER	DAY																
	1							42.5	20.6	39.7	37.5	42.5	22.2	41.7	23.6		
	2									46.3	44.1	25.0	26.5	35.6	35.6		
	3							42.5	20.6	43.4	38.2	33.8	24.5	39.2	28.5		
	4																
LOADER	DAY																
	1	5.8	8.0	2.5	3.5	3.2	2.2	67.5	33.0	43.3	21.0	202.5	259.5	54.8	121.7		
	2	4.4	2.6			5.4	1.9			32.7	40.1	30.0	14.1	15.7	20.5		
	3	4.7	7.2											4.7	7.2		
	4	0.7	0.6											0.7	0.6		
ALL	DAY																
	1	4.2	5.4	2.5	3.5	4.3	2.3	67.5	33.0	38.0	29.2	116.3	193.5	33.5	88.7		
	2																
	3																
	4																

(CONTINUED)

CONCENTRATION OF CARBON MONOXIDE (PPM)

SAMPLE TYPE BREATHING ZONE		COMBINATION OF FORT & VEHICLE TYPE													
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL							
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC							
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
ALL	DAY														
	2	4.9	2.7		5.9	3.4		34.0	35.3	24.0	19.6	17.4	23.5		
	3	3.5	4.4									3.5	4.4		
	4	1.0	1.3											1.0	1.3
	ALL	3.5	4.1	3.7	4.6	4.6	3.6	47.1	25.8	34.2	30.3	53.6	108.0	22.6	52.3

CONCENTRATION OF CARBON DIOXIDE (PPM)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORI & VEHICLE TYPE																																		
		SILL-M109					CARSON-M109					BENNING-M3					KNOX-M60					CARSON-M60					KNOX-M1					ALL				
		FIRECONC					FIRECONC					FIRECONC					FIRECONC					FIRECONC					FIRECONC					FIRECONC				
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX							
POSITION DAY																																				
COMMAND	1	3.0	1240.0	2.0	1130.0	3.0	1640.0	2.0	402.0	2.0	3140.0	3.0	886.0	15.0	3140.0																					
	2	2.0	672.0	.1	1.0	1580.0	.1			2.0	5710.0	2.0	586.0	7.0	5710.0																					
	3	2.0	903.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0	903.0																					
	4	2.0	1110.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0	1110.0																					
ALL		9.0	1240.0	2.0	1130.0	4.0	1640.0	2.0	402.0	4.0	5710.0	5.0	886.0	26.0	5710.0																					
DRIVER																																				
1	1	3.0	890.0	2.0	1290.0	3.0	1860.0	2.0	326.0	3.0	3720.0	2.0	1120.0	15.0	3720.0																					
	2	2.0	424.0	.1	.1	2.0	1250.0	.1		2.0	4150.0	2.0	420.0	8.0	4150.0																					
	3	1.0	658.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	1.0	658.0																					
	4	2.0	751.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0	751.0																					
ALL		8.0	890.0	2.0	1290.0	5.0	1860.0	2.0	326.0	5.0	4150.0	4.0	1120.0	26.0	4150.0																					
LOADER																																				
1	1	3.0	976.0	2.0	1100.0	2.0	1840.0	2.0	317.0	3.0	3540.0	1.0	590.0	13.0	3540.0																					
	2	2.0	323.0	.1	.1	2.0	1550.0	.1		2.0	3090.0	2.0	339.0	8.0	3090.0																					
	3	1.0	683.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	1.0	683.0																					
	4	2.0	848.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0	848.0																					
ALL		8.0	976.0	2.0	1100.0	4.0	1840.0	2.0	317.0	5.0	3540.0	3.0	590.0	24.0	3540.0																					
DAY																																				
1	1	9.0	1240.0	6.0	1290.0	8.0	1860.0	6.0	402.0	8.0	3720.0	6.0	1120.0	43.0	3720.0																					
	2	6.0	672.0	.1	.1	5.0	1580.0	.1		6.0	5710.0	6.0	586.0	23.0	5710.0																					
	3	4.0	903.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	4.0	903.0																					
	4	6.0	1110.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	6.0	1110.0																					

(CONTINUED)

CONCENTRATION OF CARBON DIOXIDE (PPM)

11

SAMPLE TYPE GENERAL AREA

COMBINATION OF FORT & VEHICLE TYPE															
	POSITION DAY														
COMMAND	SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL								
	FIRE CONC	FIRE CONC	FIRE CONC	FIRE CONC	FIRE CONC	FIRE CONC	FIRE CONC	FIRE CONC	FIRE CONC	FIRE CONC	FIRE CONC	FIRE CONC	FIRE CONC		
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	
DRIVER	1	1144.3	148.7	954.0	248.9	1373.3	260.3	259.0	202.2	3125.0	21.2	759.7	112.6	1233.9	856.7
	2	459.5	300.5	.	.	1580.0	.	.	.	3735.0	2793.1	453.0	188.1	1553.6	1926.2
	3	757.5	205.8	.	.	.	.	.	.	.	.	.	.	757.5	205.8
	4	819.5	410.8	.	.	.	.	.	.	.	.	.	.	819.5	410.8
	ALL	834.0	340.4	954.0	248.9	1425.0	236.3	259.0	202.2	3430.0	1650.6	637.0	208.3	1251.4	1170.5
LOADER	1	728.0	148.3	1165.0	176.8	1763.3	95.0	307.5	26.2	3193.3	458.8	1085.0	49.5	1477.9	1018.4
	2	420.0	5.7	.	.	1245.0	7.1	.	.	3990.0	226.3	394.5	36.1	1512.4	1574.7
	3	658.0	.	.	.	.	.	.	.	.	.	.	.	658.0	.
	4	652.5	139.3	.	.	.	.	.	.	.	.	.	.	652.5	139.3
	ALL	623.4	161.2	1165.0	176.8	1556.0	291.8	307.5	26.2	3512.0	555.4	739.8	400.2	1393.5	1162.0
	1	902.7	86.7	1070.0	42.4	1760.0	113.1	283.0	48.1	2983.3	773.6	590.0	.	1421.1	1045.4
	2	260.5	88.4	.	.	1275.0	388.9	.	.	12475.0	869.7	305.5	47.4	1079.0	1030.2
	3	683.0	.	.	.	.	.	.	.	.	.	.	.	683.0	.
	4	701.0	207.9	.	.	.	.	.	.	.	.	.	.	701.0	207.9
	ALL	664.3	284.3	1070.0	42.4	1517.5	364.8	283.0	48.1	2780.0	752.2	400.3	167.6	1216.3	980.2
ALL	1	925.0	213.7	1063.0	167.1	1616.3	253.4	283.2	96.2	3097.5	490.9	839.8	214.3	1375.6	956.1
	2	380.0	168.9	.	.	1324.0	241.9	.	.	3400.0	1499.4	384.3	110.4	1374.2	1479.0
	3	714.0	129.4	.	.	.	.	.	.	.	.	.	.	714.0	129.4
	4	724.3	228.4	.	.	.	.	.	.	.	.	.	.	724.3	228.4
	ALL	712.3	280.6	1063.0	167.1	1503.8	280.8	283.2	96.2	3227.1	1009.2	612.1	288.1	1288.9	1098.8

CONCENTRATION OF CARBON DIOXIDE (PPM)

SAMPLE TYPE GENERAL AREA

COMBINATION OF FORT & VEHICLE TYPE														
STILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL		
TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC		
# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	
POSITION DAY														
COMMAND														
1	3.0	778.0	2.0	640.0	3.0	660.0	2.0	659.0	2.0	959.0	3.0	915.0	15.0	959.0
2	2.0	694.0	.	.	1.0	658.0	.	.	2.0	769.0	2.0	832.0	7.0	832.0
3	2.0	678.0	.	.	.	.	.	.	.	.	.	.	2.0	678.0
4	2.0	1150.0	.	.	.	.	.	.	.	.	.	.	2.0	1150.0
ALL	9.0	1150.0	2.0	640.0	4.0	660.0	2.0	659.0	4.0	959.0	5.0	915.0	26.0	1150.0
DRIVER														
1	3.0	646.0	2.0	728.0	3.0	795.0	2.0	595.0	3.0	1100.0	2.0	1180.0	15.0	1180.0
2	2.0	575.0	.	.	2.0	667.0	.	.	2.0	733.0	2.0	685.0	8.0	733.0
3	1.0	583.0	.	.	.	.	.	.	.	.	.	.	1.0	583.0
4	2.0	880.0	.	.	.	.	.	.	.	.	.	.	2.0	880.0
ALL	8.0	880.0	2.0	728.0	5.0	795.0	2.0	595.0	5.0	1100.0	4.0	1180.0	26.0	1180.0
LOADER														
1	3.0	675.0	2.0	673.0	2.0	751.0	2.0	575.0	3.0	1270.0	1.0	806.0	13.0	1270.0
2	2.0	507.0	.	.	2.0	650.0	.	.	2.0	568.0	2.0	616.0	8.0	650.0
3	1.0	589.0	.	.	.	.	.	.	.	.	.	.	1.0	589.0
4	2.0	960.0	.	.	.	.	.	.	.	.	.	.	2.0	960.0
ALL	8.0	960.0	2.0	673.0	4.0	751.0	2.0	575.0	5.0	1270.0	3.0	806.0	24.0	1270.0
ALL														
1	9.0	178.0	6.0	728.0	8.0	795.0	6.0	659.0	8.0	1270.0	6.0	1180.0	43.0	1270.0
2	6.0	694.0	.	.	5.0	667.0	.	.	6.0	769.0	6.0	832.0	23.0	832.0
3	4.0	678.0	.	.	.	.	.	.	.	.	.	.	4.0	678.0
4	6.0	1150.0	.	.	.	.	.	.	.	.	.	.	6.0	1150.0

SAMPLE TYPE		GENERAL AREA									
		COMBINATION OF FORT & VEHICLE TYPE									
		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1	
		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC	
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
FALL	TALL	25.0	1150.0	6.0	728.0	13.0	799.0	6.0	659.0	14.0	1180.0
		76.0									

SAMPLE TYPE GENERAL AREA

COMBINATION OF FORT & VEHICLE TYPE

COMBINATION OF TONE & VEHICLE TYPE																			
		S111-M109			CARSON-M109			BENNING-M3			KNOX-M60			CARSON-M60			KNOX-M1		
		TOTCONC			TOTCONC			TOTCONC			TOTCONC			TOTCONC			TOTCONC		
		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD	
POSITION		DAY																	
COMMAND		1	743.7	57.7	527.5	159.1	634.0	25.1	539.5	169.0	925.0	48.1	864.3	53.7	714.0	164.5		ALL	
		2	558.0	192.3	.	.	658.0	.	.	.	642.0	179.6	716.0	164.0	641.4	142.3			
		3	623.5	77.1	.	.	.	.	.	.	.	.	.	.	623.5	77.1			
		4	906.0	345.1	.	.	.	.	.	.	.	.	.	.	906.0	345.1			
ALL		1	711.8	196.9	527.5	159.1	640.0	23.7	539.5	169.0	783.5	195.5	805.0	121.5	702.3	173.1			
DRIVER		DAY																	
		1	592.3	48.7	671.5	79.9	727.7	64.7	574.5	29.0	1005.3	83.0	1125.0	77.8	781.2	215.9			
		2	565.5	13.4	.	.	626.5	57.3	.	.	691.5	58.7	665.5	27.6	637.3	60.6			
		3	583.0	.	.	.	.	.	.	.	.	.	.	.	583.0	.			
		4	779.0	142.8	.	.	.	.	.	.	.	.	.	.	779.0	142.8			
ALL		1	631.1	109.9	671.5	79.9	687.2	77.3	574.5	29.0	879.8	184.0	895.3	269.5	729.1	182.5			
LOADER		DAY																	
		1	653.7	29.5	644.0	41.0	725.0	36.8	555.0	28.3	987.7	294.1	806.0	.	736.8	199.3			
		2	453.0	76.4	.	.	627.5	31.8	.	.	546.5	30.4	589.5	37.5	554.1	78.4			
		3	589.0	.	.	.	.	.	.	.	.	.	.	.	589.0	.			
		4	819.0	199.4	.	.	.	.	.	.	.	.	.	.	819.0	199.4			
ALL		1	636.8	162.3	644.0	41.0	676.3	62.9	555.0	28.3	811.2	319.2	661.7	127.8	676.6	183.5			
FALL		DAY																	
		1	663.2	77.4	614.3	106.5	691.9	62.2	556.3	79.3	978.6	167.9	941.5	151.9	744.3	191.7			
		2	525.5	108.5	.	.	633.2	35.6	.	.	626.7	108.0	657.0	95.2	609.6	101.8			
		3	604.8	49.5	.	.	.	.	.	.	.	.	.	.	604.8	49.5			
		4	834.7	198.0	.	.	.	.	.	.	.	.	.	.	834.7	198.0			
ALL		1	662.0	159.9	614.3	106.5	669.3	59.7	556.3	79.3	827.8	228.8	799.3	191.5	703.3	178.6			

CONCENTRATION OF HYDROGEN SULFIDE (PPB)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC						
		# OF	# OF	# OF	# OF	# OF	# OF						
		VEHS.	VEHS.	VEHS.	VEHS.	VEHS.	VEHS.						
		MAX	MAX	MAX	MAX	MAX	MAX						
POSITION	DAY												
COMMAND	1	2.0	259.0	2.0	291.0	2.0	67.0	2.0	701.0	2.0	226.0	10.0	701.0
	2	3.0	195.0	3.0	238.0	.	.	3.0	6120.0	2.0	105.0	11.0	6120.0
	3	2.0	247.0	.	.	.	.	.	.	.	.	2.0	247.0
	4	2.0	399.0	.	.	.	.	.	.	.	.	2.0	399.0
ALL		9.0	399.0	5.0	291.0	2.0	67.0	5.0	6120.0	4.0	226.0	25.0	6120.0
DRIVER	DAY												
	1	2.0	334.0	2.0	430.0	2.0	44.4	2.0	540.0	2.0	111.0	10.0	540.0
	2	3.0	195.0	3.0	215.0	.	.	3.0	927.0	2.0	77.3	11.0	927.0
	3	2.0	277.0	.	.	.	.	.	.	.	.	2.0	277.0
	4	2.0	258.0	.	.	.	.	.	.	.	.	2.0	258.0
ALL		9.0	334.0	5.0	430.0	2.0	44.4	5.0	927.0	4.0	111.0	25.0	927.0
LOADER	DAY												
	1	2.0	334.0	2.0	396.0	2.0	46.1	2.0	1090.0	2.0	131.0	10.0	1090.0
	2	2.0	195.0	3.0	252.0	.	.	3.0	1070.0	2.0	64.9	10.0	1070.0
	3	2.0	321.0	.	.	.	.	.	.	.	.	2.0	321.0
	4	2.0	599.0	.	.	.	.	.	.	.	.	2.0	599.0
ALL		8.0	599.0	5.0	396.0	2.0	46.1	5.0	1090.0	4.0	131.0	24.0	1090.0
ALL	DAY												
	1	6.0	334.0	6.0	430.0	6.0	67.0	6.0	1090.0	6.0	226.0	30.0	1090.0
	2	8.0	195.0	9.0	252.0	.	.	9.0	6120.0	6.0	105.0	32.0	6120.0
	3	6.0	321.0	.	.	.	.	.	.	.	.	6.0	321.0
	4	6.0	599.0	.	.	.	.	.	.	.	.	6.0	599.0

(CONTINUED)

CONCENTRATION OF HYDROGEN SULFIDE (PPB)

14

SAMPLE TYPE BREATHING ZONE

COMBINATION OF TORI & VEHICLE TYPE													
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY													
COMMAND	1	2.0	208.0	2.0	288.0	2.0	43.6	2.0	584.0	2.0	150.0	10.0	584.0
	2	3.0	187.0	3.0	214.0	.	.	2.0	520.0	2.0	108.0	10.0	520.0
	3	2.0	301.0	.	.	.	.	.	.	.	.	2.0	301.0
	4	2.0	85.0	.	.	.	.	.	.	.	.	2.0	85.0
	ALL	9.0	301.0	5.0	288.0	2.0	43.6	4.0	584.0	4.0	150.0	24.0	584.0
DRIVER	DAY												
	1	2.0	362.0	2.0	353.0	2.0	44.7	2.0	525.0	2.0	113.0	10.0	525.0
	2	3.0	188.0	3.0	390.0	.	.	2.0	485.0	2.0	78.3	10.0	485.0
	3	2.0	608.0	.	.	.	.	.	.	.	.	2.0	608.0
	4	2.0	181.0	.	.	.	.	.	.	.	.	2.0	181.0
ALL	9.0	608.0	5.0	390.0	2.0	44.7	4.0	525.0	4.0	113.0	24.0	608.0	
GUNNER	DAY												
	1	.	.	.	2.0	88.8	2.0	579.0	2.0	113.0	6.0	579.0	
	2	.	.	.	.	.	.	1.0	676.0	2.0	64.8	3.0	676.0
	3	.	.	.	2.0	88.8	3.0	676.0	4.0	113.0	9.0	676.0	
	4	.	.	.	.	.	.	.	.	.	.	.	.
LOADER	DAY												
	1	2.0	601.0	2.0	282.0	2.0	49.4	2.0	915.0	2.0	113.0	10.0	915.0
	2	2.0	204.0	3.0	199.0	.	.	2.0	2900.0	2.0	352.0	9.0	2900.0
	3	2.0	664.0	.	.	.	.	.	.	.	.	2.0	664.0
	4	2.0	71.6	.	.	.	.	.	.	.	.	2.0	71.6
ALL	8.0	664.0	5.0	282.0	2.0	49.4	4.0	2900.0	4.0	352.0	23.0	2900.0	

(CONTINUED)

CONCENTRATION OF HYDROGEN SULFIDE (PPB)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	
		# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	
ALL		DAY											
1		6.0	601.0	6.0	353.0	8.0	88.8	8.0	915.0	8.0	150.0	36.0	915.0
2		8.0	204.0	9.0	390.0	.	.	7.0	2900.0	8.0	352.0	32.0	2900.0
3		6.0	664.0	.	.	.	.	.	.	.	.	6.0	664.0
4		6.0	181.0	.	.	.	.	.	.	.	.	6.0	181.0
ALL		26.0	664.0	15.0	390.0	8.0	88.8	15.0	2900.0	16.0	352.0	80.0	2900.0

CONCENTRATION OF HYDROGEN SULFIDE (PPB)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE													
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL								
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC								
		MEAN	STD	MEAN	STD	MEAN	STD								
POSITION	DAY														
COMMAND	1	233.5	36.1	267.0	33.9	56.4	15.0	629.0	101.8	148.3	109.8	266.8	212.5		
	2	178.3	18.8	197.3	38.7			3723.3	2188.8	90.1	21.1	1134.3	1930.1		
	3	228.0	26.9									228.0	26.9		
	4	311.5	123.7									311.5	123.7		
ALL		231.2	70.1	225.2	49.9	56.4	15.0	2485.6	2295.8	119.2	72.8	649.0	1327.7		
DRIVER	DAY														
	1	305.0	41.0	351.0	111.7	40.9	4.9	494.0	65.1	93.0	25.4	256.8	182.8		
	2	171.3	22.2	199.3	15.5			765.3	208.5	68.7	12.1	322.3	303.3		
	3	249.0	39.6									249.0	39.6		
LOADER	DAY														
	1	279.0	77.8	319.0	108.9	38.4	10.8	843.5	348.6	122.0	12.7	320.4	321.1		
	2	176.5	26.2	191.7	53.1			792.7	296.6	54.1	15.2	341.4	346.4		
	3	299.5	30.4									299.5	30.4		
ALL		290.8	138.7	242.6	96.1	38.4	10.8	813.0	274.1	88.1	40.8	334.7	302.0		
ALL	DAY														
	1	272.5	53.4	312.3	80.8	45.3	12.2	655.5	228.2	121.1	56.4	281.3	239.2		
	2	175.3	18.7	196.1	33.9			11760.4	1843.4	71.0	20.6	607.4	1190.1		
	3	258.8	41.5									258.8	41.5		
ALL		250.6	93.8	242.6	80.4	45.3	12.2	1318.5	1508.1	96.1	48.2	423.7	807.5		

CONCENTRATION OF HYDROGEN SULFIDE (PPB)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		FIRECONC		FIRECONC		FIRECONC		FIRECONC		FIRECONC		FIRECONC	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY												
COMMAND	1	202.5	7.8	271.5	23.3	39.9	5.2	557.0	38.2	131.5	26.2	240.5	186.2
	2	181.0	5.6	188.3	22.9			503.5	23.3	78.3	42.1	227.1	153.3
	3	185.3	163.7									185.3	163.7
	4	68.9	22.7									68.9	22.7
	ALL	161.8	79.2	221.6	49.7	39.9	5.2	530.3	40.3	104.9	42.0	216.0	161.9
DRIVER	1	279.5	116.7	291.5	87.0	38.2	9.1	494.0	43.8	93.1	28.1	239.3	178.3
	2	173.0	16.7	251.3	120.4			462.5	31.8	66.2	17.1	233.0	150.4
	3	409.0	281.4									409.0	281.4
	4	125.9	77.9									125.9	77.9
	ALL	238.6	157.8	267.4	98.1	38.2	9.1	478.3	36.2	79.7	24.5	241.4	169.2
GUNNER	1					58.5	42.9	545.0	48.1	96.6	23.2	233.4	243.9
	2							676.0		60.5	6.1	265.7	355.4
	ALL					58.5	42.9	588.7	82.9	78.5	25.0	244.1	262.7
	1	399.0	285.7	260.0	31.1	38.4	15.5	733.5	256.7	95.0	25.4	305.2	292.2
	2	181.0	32.5	182.0	17.5			1671.0	1738.1	206.1	206.3	518.0	900.3
LOADER	3	383.0	397.4									383.0	397.4
	4	68.7	4.0									68.7	4.0
	ALL	257.9	237.6	213.2	47.1	38.4	15.5	1202.3	1149.7	150.6	136.1	374.7	596.6
	1	293.7	164.0	274.3	44.9	43.8	19.9	582.4	139.9	104.1	25.8	256.9	220.2

(CONTINUED)

CONCENTRATION OF HYDROGEN SULFIDE (PPB)

20

SAMPLE TYPE BREATHING ZONE

	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
	FIRECONC	MEAN	STD	FIRECONC	MEAN	STD	FIRECONC	MEAN	STD	FIRECONC	MEAN	STD
ALL	178.0	16.0	207.2	70.2	.	.	850.0	907.5	102.8	102.5	314.4	497.6
2	325.8	254.5	.	.	.	.	.	.	.	.	325.8	254.5
3	87.9	46.8	.	.	.	.	.	.	.	.	87.9	46.8
4	218.0	166.1	234.1	68.5	43.8	19.9	707.3	617.9	103.4	72.2	272.4	355.6
ALL	218.0	166.1	234.1	68.5	43.8	19.9	707.3	617.9	103.4	72.2	272.4	355.6

CONCENTRATION OF HYDROGEN SULFIDE (PPB)

SAMPLE TYPE GENERAL AREA

COMBINATION OF FORT & VEHICLE TYPE													

(CONTINUED)

CONCENTRATION OF HYDROGEN SULFIDE (PPB)

2

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC		
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.		
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX		
ALL	JAIL	26.0	412.0	15.0	123.0	6.0	52.5	15.0	1880.0	12.0	151.0	74.0	1880.0

CONCENTRATION OF HYDROGEN SULFIDE (PPB)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC						
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY													
COMMAND	1	2.0	81.7	2.0	56.6	2.0	36.2	2.0	133.0	2.0	122.0	10.0	133.0
	2	3.0	127.0	3.0	120.0	.	.	2.0	243.0	2.0	76.2	10.0	243.0
	3	2.0	143.0	.	.	.	.	.	.	.	.	2.0	143.0
	4	2.0	59.5	.	.	.	.	.	.	.	.	2.0	59.5
	ALL	9.0	143.0	5.0	120.0	2.0	36.2	4.0	243.0	4.0	122.0	24.0	243.0
DRIVER	1 DAY												
	1	2.0	90.6	2.0	70.6	2.0	36.5	2.0	102.0	2.0	75.4	10.0	102.0
	2	3.0	127.0	3.0	127.0	.	.	2.0	243.0	2.0	55.0	10.0	243.0
	3	2.0	279.0	.	.	.	.	.	.	.	.	2.0	279.0
	4	2.0	131.0	.	.	.	.	.	.	.	.	2.0	131.0
GUNNER	1 DAY												
	1	.	.	.	.	2.0	72.0	2.0	111.0	2.0	75.4	6.0	111.0
	2	.	.	.	.	.	.	1.0	208.0	2.0	45.5	3.0	208.0
	3	.	.	.	.	2.0	72.0	3.0	208.0	4.0	75.4	9.0	208.0
	4	.	.	.	.	.	.	.	.	.	.	.	.
LOADER	1 DAY												
	1	2.0	153.0	2.0	56.4	2.0	39.9	2.0	215.0	2.0	75.4	10.0	215.0
	2	2.0	117.0	3.0	122.0	.	.	2.0	892.0	2.0	248.0	9.0	892.0
	3	2.0	303.0	.	.	.	.	.	.	.	.	2.0	303.0
	4	2.0	51.8	.	.	.	.	.	.	.	.	2.0	51.8
ALL	1	8.0	303.0	5.0	122.0	2.0	39.9	4.0	892.0	4.0	248.0	23.0	892.0

(CONTINUED)

SAMPLE TYPE BREATHING ZONE

CONCENTRATION OF HYDROGEN SULFIDE (PPB)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF TURT & VEHICLE TYPE														ALL	
		SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1							
		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC			
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD		
POSITION DAY																	
COMMAND	1	72.5	19.2	49.1	6.9	44.3	11.5	98.6	67.0	101.3	70.4	73.2	41.7				
	2	95.9	12.3	65.0	36.4			1210.3	935.9	63.7	15.4	385.6	675.5				
	3	72.0	6.9									72.0	6.9				
	4	219.5	81.3									219.5	81.3				
	ALL	112.9	68.5	58.7	27.4	44.3	11.5	765.7	899.9	82.5	46.9	222.2	463.0				
DRIVER	1	96.3	25.1	68.3	38.6	32.0	4.3	72.6	32.0	64.6	14.0	66.8	29.0				
	2	88.9	13.8	69.4	46.6			248.3	191.8	48.4	8.3	119.7	121.9				
	3	76.7	12.7									76.7	12.7				
	4	172.0	8.5									172.0	8.5				
	ALL	106.3	39.9	68.9	38.2	32.0	4.3	178.0	167.0	56.5	13.2	99.3	87.3				
LOADER	1	85.7	10.2	56.7	4.3	0.5	9.1	138.8	117.7	85.2	13.9	79.4	55.0				
	2	94.1	13.9	62.4	34.1			260.3	198.0	38.2	10.9	123.3	135.3				
	3	93.6	6.0									93.6	6.0				
	4	284.5	180.3									284.5	180.3				
	ALL	139.5	112.8	60.1	24.4	30.5	9.1	211.7	165.8	61.7	29.0	116.0	113.5				
ALL	1	84.8	18.2	58.1	19.6	35.6	9.6	103.3	69.0	83.7	36.6	73.1	42.1				
	2	92.8	11.7	65.6	34.3			573.0	683.0	50.1	14.7	212.2	416.6				
	3	80.8	12.3									80.8	12.3				
	4	225.3	101.9									225.3	101.9				
	ALL	118.8	76.0	62.6	28.7	33.6	9.6	385.1	570.1	66.9	31.8	146.2	283.0				

CONCENTRATION OF HYDROGEN SULFIDE (PPB)

8

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY													
COMMAND	1	67.1	20.6	50.0	9.3	32.7	4.9	91.8	58.3	98.7	33.0	68.1	35.2
	2	105.2	20.0	66.1	46.7			201.5	58.7	55.2	29.6	102.7	64.6
	3	88.4	77.2									88.4	77.2
	4	48.9	15.0									48.9	15.0
	ALL	80.5	38.3	59.7	34.5	32.7	4.9	146.6	79.4	77.0	35.8	82.6	52.5
DRIVER DAY													
1	1	86.1	6.3	60.8	13.9	31.0	7.7	75.8	37.1	67.4	11.2	64.2	24.2
	2	101.2	25.7	80.3	44.9			189.0	76.4	46.6	11.9	101.6	61.5
	3	190.0	125.9									190.0	125.9
	4	90.3	57.6									90.3	57.6
	ALL	115.2	66.3	72.5	34.2	31.0	7.7	132.4	81.7	57.0	15.3	92.5	61.2
GUNNER DAY													
1	1					47.3	34.9	83.3	39.1	70.2	7.3	67.0	28.7
	2							208.0		42.6	4.0	97.8	95.5
	3												
	4					47.3	34.9	124.9	77.1	56.4	16.6	77.2	55.1
	ALL												
LOADER DAY													
1	1	117.3	50.4	54.7	2.4	31.0	12.6	133.8	114.9	69.0	9.1	81.2	58.6
	2	97.0	28.3	65.4	49.1			556.5	474.5	145.3	145.2	199.3	271.0
	3	176.7	178.6									176.7	178.6
	4	48.9	4.0									48.9	4.0
	ALL	110.0	86.2	61.1	35.2	31.0	12.6	345.1	372.8	107.1	94.9	132.9	182.8
ALL DAY													
1	1	90.2	33.4	55.2	8.9	35.5	16.2	96.2	58.0	76.3	19.6	70.5	38.9

(CONTINUED)

CONCENTRATION OF HYDROGEN SULFIDE (PPB)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC						
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
ALL	DAY												
	2	101.7	20.7	70.6	41.3			300.3	264.1	72.4	72.2	129.1	154.4
	3	151.7	114.8									151.7	114.8
	4	62.7	34.2									62.7	34.2
	ALL	101.6	64.9	64.4	32.6	35.5	16.2	191.4	206.6	74.4	51.1	99.4	109.5

CONCENTRATION OF HYDROGEN CYANIDE (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC						
		# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
POSITION DAY													
COMMAND	1	2.0	142.0	2.0	360.0	2.0	226.0	2.0	1120.0	2.0	311.0	10.0	1120.0
	2	2.0	190.0	2.0	411.0			2.0	1090.0	2.0	1280.0	8.0	1280.0
	3	2.0	96.6									2.0	96.6
	4	2.0	108.0									2.0	108.0
	ALL	8.0	190.0	4.0	411.0	2.0	226.0	4.0	1120.0	4.0	1280.0	22.0	1280.0
DRIVER DAY													
	1	2.0	193.0	2.0	400.0	2.0	102.0	2.0	1110.0	2.0	311.0	10.0	1110.0
	2	2.0	187.0	2.0	402.0			2.0	1170.0	2.0	919.0	8.0	1170.0
	3	2.0	122.0									2.0	122.0
	4	2.0	90.9									2.0	90.9
	ALL	8.0	193.0	4.0	402.0	2.0	102.0	4.0	1170.0	4.0	919.0	22.0	1170.0
LOADER DAY													
	1	2.0	73.2	2.0	398.0	2.0	177.0	2.0	1190.0	2.0	311.0	10.0	1190.0
	2	2.0	182.0	2.0	494.0			2.0	1070.0	2.0	216.0	8.0	1070.0
	3	2.0	94.7									2.0	94.7
	4	2.0	108.0									2.0	108.0
	ALL	8.0	182.0	4.0	494.0	2.0	177.0	4.0	1190.0	4.0	311.0	22.0	1190.0
ALL DAY													
	1	6.0	193.0	6.0	400.0	6.0	226.0	6.0	1190.0	6.0	311.0	30.0	1190.0
	2	6.0	190.0	6.0	494.0			6.0	1170.0	6.0	1280.0	24.0	1280.0
	3	6.0	122.0									6.0	122.0
	4	6.0	108.0									6.0	108.0

(CONTINUED)

CONCENTRATION OF HYDROGEN CYANIDE (UG/M3)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORI & VEHICLE TYPE									
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL				
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC				
		# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.				
		MAX	MAX	MAX	MAX	MAX	MAX				
ALL	JALL	193.01	12.01	494.01	6.01	226.01	12.01	1190.01	12.01	1280.01	66.01

CONCENTRATION OF HYDROGEN CYANIDE (UG/M3)

11

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY												
COMMAND	1	93.3	68.9	349.5	14.8	174.5	72.8	1095.0	35.4	259.0	73.5	394.3	382.6
	2	151.0	55.2	309.5	143.5			895.5	275.1	864.0	588.3	555.0	433.5
	3	92.8	5.3									92.8	5.3
	4	91.6	23.2									91.6	23.2
ALL		107.2	43.9	329.5	86.5	174.5	72.8	995.3	197.2	561.5	489.1	397.8	390.6
DRIVER	DAY												
	1	118.8	105.0	382.5	24.7	102.0	0.0	1095.0	21.2	259.0	73.5	391.4	388.6
	2	149.5	53.0	297.5	147.8			1160.0	14.1	759.0	226.3	591.5	437.9
	3	102.3	27.9									102.3	27.9
ALL		86.2	6.6									86.2	6.6
LOADER	DAY												
	1	58.8	20.3	397.0	1.4	134.8	59.8	1170.0	28.3	259.0	73.5	403.9	422.8
	2	147.0	49.5	361.5	187.4			1010.5	84.1	181.0	49.5	425.0	380.7
	3	93.7	1.3									93.7	1.3
ALL		93.3	20.8									93.3	20.8
ALL	DAY												
	1	90.3	62.9	376.3	25.3	137.1	53.2	1120.0	44.7	259.0	57.0	396.5	384.5
	2	149.2	40.8	322.8	128.2			1022.0	175.1	601.3	433.8	523.8	406.2
	3	96.3	13.5									96.3	13.5
ALL		90.4	14.6									90.4	14.6
ALL	DAY												
	1	106.5	44.1	349.6	92.4	137.1	53.2	1071.0	132.2	430.2	344.9	387.7	383.7

CONCENTRATION OF HYDROGEN CYANIDE (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
POSITION	DAY												
COMMAND	1	2.0	32.3	2.0	79.9	2.0	177.0	2.0	223.0	2.0	208.0	10.0	223.0
	2	2.0	98.0	2.0	138.0			2.0	547.0	2.0	905.0	8.0	905.0
	3	2.0	30.0									2.0	30.0
	4	2.0	74.7									2.0	74.7
ALL		8.0	98.0	4.0	138.0	2.0	177.0	4.0	547.0	4.0	905.0	22.0	905.0
DRIVER	DAY												
	1	2.0	45.4	2.0	88.8	2.0	80.6	2.0	230.0	2.0	208.0	10.0	230.0
	2	2.0	95.0	2.0	129.0			2.0	583.0	2.0	650.0	8.0	650.0
	3	2.0	37.4									2.0	37.4
	4	2.0	65.8									2.0	65.8
ALL		8.0	95.0	4.0	129.0	2.0	80.6	4.0	583.0	4.0	650.0	22.0	650.0
LOAD R	DAY												
	1	2.0	18.5	2.0	88.3	2.0	142.0	2.0	234.0	2.0	208.0	10.0	234.0
	2	2.0	111.0	2.0	153.0			2.0	476.0	2.0	152.0	8.0	476.0
	3	2.0	29.8									2.0	29.8
	4	2.0	74.3									2.0	74.3
ALL		8.0	111.0	4.0	153.0	2.0	142.0	4.0	476.0	4.0	208.0	22.0	476.0
ALL	DAY												
	1	6.0	45.4	6.0	88.8	6.0	177.0	6.0	234.0	6.0	208.0	30.0	234.0
	2	6.0	111.0	6.0	153.0			6.0	583.0	6.0	905.0	24.0	905.0
	3	6.0	37.4									6.0	37.4
	4	6.0	74.7									6.0	74.7

(CONTINUED)

CONCENTRATION OF HYDROGEN CYANIDE (UG/M3)

SAMPLE TYPE GENERAL AREA

	COMBINATION OF FORT & VEHICLE TYPE									
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL				
	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC				
	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.				
	MAX	MAX	MAX	MAX	MAX	MAX				
ALL	111.0	12.0	153.0	6.0	177.0	12.0	583.0	12.0	905.0	905.0

CONCENTRATION OF HYDROGEN CYANIDE (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109						ALL					
		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1					
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY													
COMMAND	1	25.4	9.8	65.7	20.1	136.8	56.8	163.0	84.9	179.5	40.3	114.1	72.5
	2	80.4	24.9	109.3	40.6			381.5	234.1	609.5	417.9	295.2	294.1
	3	29.3	1.1									29.3	1.1
	4	64.6	14.3									64.6	14.3
	ALL	49.9	27.4	87.5	36.3	136.8	56.8	272.3	191.2	394.5	347.0	167.7	203.7
DRIVER	1 DAY												
	1	31.9	19.0	71.9	23.8	79.8	1.1	166.5	89.8	179.5	40.3	105.9	69.4
	2	76.0	26.8	103.9	35.5			469.0	161.2	535.0	162.6	296.0	238.8
	3	31.3	8.6									31.3	8.6
	4	61.0	6.7									61.0	6.7
ALL	50.1	24.3	87.9	30.8	79.8	1.1	317.8	204.6	357.3	226.9	164.2	178.9	
LOADER	1 DAY												
	1	18.0	0.7	74.0	20.2	107.3	49.1	172.0	87.7	179.5	40.3	110.1	73.8
	2	85.4	36.2	124.9	39.7			403.0	103.2	127.5	34.6	185.2	143.2
	3	29.3	0.7									29.3	0.7
	4	65.6	12.3									65.6	12.3
ALL	49.6	32.4	99.5	39.1	107.3	49.1	287.5	154.6	153.5	42.9	126.0	108.9	
ALL	1 DAY												
	1	25.1	11.4	70.5	17.1	108.0	42.2	167.2	67.9	179.5	31.2	110.1	69.5
	2	80.6	23.4	112.7	31.5			417.8	141.2	424.0	307.1	258.8	229.7
	3	30.0	4.0									30.0	4.0
	4	63.7	9.2									63.7	9.2
ALL	49.9	27.0	91.6	32.7	108.0	42.2	292.5	168.2	301.8	244.2	152.7	167.2	

CONCENTRATION OF NITRIC OXIDE (UG/M3)

SAMPLE TYPE GENERAL AREA

COMBINATION OF FORT & VEHICLE TYPE													
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
POSITION DAY													
COMMAND	1	1.0	920.0	2.0	3700.0	2.0	254.0	2.0	2920.0	2.0	366.0	9.0	3700.0
	2	3.0	667.0	2.0	662.0			2.0	6430.0	2.0	347.0	9.0	6430.0
	3	2.0	838.0									2.0	838.0
	4	2.0	210.0									2.0	210.0
	ALL	8.0	920.0	4.0	3700.0	2.0	254.0	4.0	6430.0	4.0	366.0	22.0	6430.0
DRIVER	DAY												
	1	2.0	802.0	2.0	1850.0	2.0	222.0	2.0	3150.0	2.0	352.0	10.0	3150.0
	2	3.0	630.0	2.0	676.0			2.0	4410.0	2.0	229.0	9.0	4410.0
	3	2.0	135.0									2.0	135.0
	4	2.0	286.0									2.0	286.0
ALL	9.0	802.0	4.0	1850.0	2.0	222.0	4.0	4410.0	4.0	352.0	23.0	4410.0	
LOADER	DAY												
	1	2.0	1180.0	2.0	2680.0	2.0	312.0	2.0	2370.0	2.0	366.0	10.0	2680.0
	2	2.0	635.0	1.0	851.0			2.0	5440.0	3.0	172.0	8.0	5440.0
	3	2.0	473.0									2.0	473.0
	4	2.0	273.0									2.0	273.0
ALL	8.0	1180.0	3.0	2680.0	2.0	312.0	4.0	5440.0	5.0	366.0	22.0	5440.0	
ALL	DAY												
	1	5.0	1180.0	6.0	3700.0	6.0	312.0	6.0	3150.0	6.0	366.0	29.0	3700.0
	2	8.0	667.0	5.0	851.0			6.0	6430.0	7.0	347.0	26.0	6430.0
	3	6.0	838.0									6.0	838.0
	4	6.0	286.0									6.0	286.0

(CONTINUED)

CONCENTRATION OF NITRIC OXIDE (UG/M3)

11

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE												
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL							
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC		
		MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	
POSITION DAY														
COMMAND	1	920.0		2755.0	1336.4	247.0		9.9	2465.0	643.5	270.0	135.8	1377.1	1303.7
	2	619.0	68.1	622.5	55.9				14760.0	2361.7	239.5	152.0	1455.7	2058.4
	3	500.5	477.3										500.5	477.3
	4	158.5	72.8										158.5	72.8
	ALL	511.9	314.7	1688.8	1453.4	247.0		9.9	3612.5	1937.3	254.8	119.0	1218.8	1569.6
DRIVER	DAY													
	1	509.5	413.7	1375.5	671.0	215.0		9.9	2445.0	997.0	257.5	133.6	960.5	994.0
	2	540.0	78.4	583.0	131.5				14265.0	205.1	168.0	86.3	1294.7	1695.0
	3	126.5	12.0										126.5	12.0
	4	185.4	142.3										185.4	142.3
LOADER	ALL	362.5	253.9	979.3	604.3	215.0		9.9	3355.0	1204.0	212.8	105.4	951.3	1270.2
	DAY													
	1	726.5	641.3	1920.0	1074.8	280.0		45.3	1945.0	601.0	300.5	92.6	1034.4	917.1
	2	552.5	116.7	851.0					3660.0	2517.3	156.0	14.7	1218.0	1800.1
	3	327.5	205.8										327.5	205.8
ALL	4	180.8	130.4										180.8	130.4
	ALL	446.8	345.0	1563.7	979.0	280.0		45.3	2802.5	1792.5	213.8	92.3	959.3	1251.9
	DAY													
	1	678.4	419.1	2016.8	1031.8	247.3		36.0	2285.0	650.6	276.0	96.8	1115.3	1051.9
	2	572.8	80.7	652.4	133.5				4228.3	1623.0	183.3	81.7	1326.8	1786.8
ALL	3	318.2	286.5										318.2	286.5
	4	174.9	93.1										174.9	93.1
	ALL	437.3	298.4	1396.6	1023.3	247.3		36.0	3256.7	1555.5	226.1	97.7	1041.8	1355.0

CONCENTRATION OF NITRIC OXIDE (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
POSITION DAY													
COMMAND	1	1.0	209.0	2.0	563.0	2.0	199.0	2.0	609.0	2.0	245.0	9.0	609.0
	2	3.0	357.0	2.0	142.0			2.0	3210.0	2.0	244.0	9.0	3210.0
	3	2.0	261.0									2.0	261.0
	4	2.0	145.0									2.0	145.0
ALL		8.0	357.0	4.0	563.0	2.0	199.0	4.0	3210.0	4.0	245.0	22.0	3210.0
DRIVER	DAY												
	1	2.0	189.0	2.0	280.0	2.0	176.0	2.0	671.0	2.0	235.0	10.0	671.0
	2	3.0	320.0	2.0	145.0			2.0	2060.0	2.0	161.0	9.0	2060.0
	3	2.0	41.8									2.0	41.8
LOADER	DAY												
	1	2.0	283.0	2.0	404.0	2.0	250.0	2.0	483.0	2.0	245.0	10.0	483.0
	2	2.0	339.0	1.0	182.0			2.0	2720.0	3.0	121.0	8.0	2720.0
	3	2.0	144.0									2.0	144.0
ALL		8.0	339.0	3.0	404.0	2.0	250.0	4.0	2720.0	5.0	245.0	22.0	2720.0
ALL	DAY												
	1	5.0	283.0	6.0	563.0	6.0	250.0	6.0	671.0	6.0	245.0	29.0	671.0
	2	8.0	357.0	5.0	182.0			6.0	3210.0	7.0	244.0	26.0	3210.0
	3	6.0	261.0									6.0	261.0
ALL		6.0	197.0									6.0	197.0

(CONTINUED)

CONCENTRATION OF NITRIC OXIDE (UG/M3)

2

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE										
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	
ALL	ALL	25.0	357.0	11.0	563.0	6.0	250.0	12.0	3210.0	13.0	245.0	67.0
												3210.0

CONCENTRATION OF NITRIC OXIDE (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE									
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL				
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY										
COMMAND	1	209.0		482.5	113.8	194.0	7.1	397.0	299.8	186.0	83.4
	2	331.7	27.2	128.0	19.8			2080.0	1598.1	168.5	106.7
	3	156.6	147.6								
	4	111.1	47.9								
	ALL	217.4	116.4	305.3	215.3	194.0	7.1	1238.5	1351.1	177.3	78.8
DRIVER	1	139.5	70.0	240.0	56.6	168.5	10.6	416.5	359.9	176.5	82.7
	2	285.7	36.1	120.5	34.6			1710.0	495.0	118.3	60.3
	3	38.9	4.0								
	4	129.2	95.9								
	ALL	163.6	109.6	180.3	78.9	168.5	10.6	1063.3	826.2	147.4	68.0
LOADER	1	198.0	120.2	331.0	103.2	222.0	39.6	312.5	241.1	208.0	52.3
	2	298.5	57.3	182.0				1648.5	1515.3	109.7	10.3
	3	101.3	60.5								
	4	125.5	86.9								
	ALL	180.8	104.2	281.3	112.8	222.0	39.6	980.5	1174.6	149.0	60.3
ALL	1	176.8	77.6	351.2	131.8	194.8	30.3	375.3	240.7	190.2	59.3
	2	306.1	39.1	135.8	32.8			1812.8	1030.8	129.0	57.3
	3	98.9	88.7								
	4	121.9	62.3								
	ALL	186.3	107.9	253.3	147.5	194.8	30.3	1094.1	11035.8	157.2	64.2

CONCENTRATION OF NITROGEN DIOXIDE (UC/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC						
		# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.						
		MAX	MAX	MAX	MAX	MAX	MAX						
POSITION DAY													
COMMAND													
1		1.0	731.0	2.0	2240.0	2.0	458.0	2.0	2890.0	2.0	561.0	9.0	2890.0
2		3.0	1020.0	2.0	1160.0			2.0	8430.0	2.0	532.0	9.0	8430.0
3		2.0	918.0									2.0	918.0
4		2.0	245.0									2.0	245.0
ALL		8.0	1020.0	4.0	2240.0	2.0	458.0	4.0	8430.0	4.0	561.0	22.0	8430.0
DRIVER													
1		2.0	603.0	2.0	1380.0	2.0	461.0	2.0	4290.0	2.0	540.0	10.0	4290.0
2		3.0	965.0	2.0	876.0			2.0	3090.0	2.0	351.0	9.0	3090.0
3		2.0	255.0									2.0	255.0
4		2.0	279.0									2.0	279.0
ALL		9.0	965.0	4.0	1380.0	2.0	461.0	4.0	4290.0	4.0	540.0	23.0	4290.0
LOADER													
1		2.0	596.0	2.0	1780.0	2.0	494.0	2.0	5170.0	2.0	561.0	10.0	5170.0
2		2.0	974.0	1.0	1300.0			2.0	3380.0	3.0	264.0	8.0	3380.0
3		2.0	865.0									2.0	865.0
4		2.0	549.0									2.0	549.0
ALL		8.0	974.0	3.0	1780.0	2.0	494.0	4.0	5170.0	5.0	561.0	22.0	5170.0
ALL													
1		5.0	731.0	6.0	2240.0	6.0	494.0	6.0	5170.0	6.0	561.0	29.0	5170.0
2		8.0	1020.0	5.0	1300.0			6.0	8430.0	7.0	532.0	26.0	8430.0
3		6.0	918.0									6.0	918.0
4		6.0	549.0									6.0	549.0

(CONTINUED)

CONCENTRATION OF NITROGEN DIOXIDE (UG/M3)

SAMPLE TYPE GENERAL AREA													
COMBINATION OF FORT & VEHICLE TYPE													
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC				
		# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
JALL	JALL	25.0	1020.0	11.0	2240.0	6.0	494.0	12.0	18430.0	13.0	561.0	67.0	18430.0

CONCENTRATION OF NITROGEN DIOXIDE (UG/M3)

11

SAMPLE TYPE GENERAL AREA

COMBINATION OF PORT & VEHICLE TYPE																									
		SILL-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL			
		FIRECONC				FIRECONC				FIRECONC				FIRECONC				FIRECONC				FIRECONC			
		MEAN		STD		MEAN		STD		MEAN		STD		MEAN		STD		MEAN		STD		MEAN		STD	
POSITION		DAY																							
COMMAND		1	731.0		2170.0	99.0	403.0	77.8	2225.0	940.5	414.0	207.9	1239.4	977.1											
		2	948.0	103.8	1027.0	188.1			15990.0	3450.7	367.0	233.3	1956.9	2607.4											
		3	631.5	405.2									631.5	405.2											
		4	217.0	39.6									217.0	39.6											
ALL			659.0	345.4	1598.5	671.2	403.0	77.8	4107.5	2998.2	390.5	182.5	1384.7	1815.2											
DRIVER		DAY																							
		1	456.0	207.9	1285.0	134.4	442.5	26.2	3210.0	1527.4	394.5	205.8	1157.6	1250.2											
		2	827.7	119.6	775.5	142.1			12955.0	190.9	257.5	132.2	1162.1	1049.0											
		3	217.5	53.0									217.5	53.0											
		4	237.0	59.4									237.0	59.4											
ALL			478.2	295.3	1030.3	315.1	442.5	26.2	3082.5	900.8	326.0	161.9	997.6	1081.9											
LOADER		DAY																							
		1	507.0	125.9	1545.0	332.3	480.0	19.8	4045.0	1591.0	424.5	193.0	1400.3	1560.6											
		2	847.0	179.6	1300.0				12830.0	777.8	239.0	22.9	1171.4	1132.3											
		3	613.5	355.7									613.5	355.7											
		4	342.5	292.0									342.5	292.0											
ALL			577.5	274.7	1463.3	274.3	480.0	19.8	3437.5	1240.0	313.2	141.1	1149.4	1265.2											
ALL		DAY																							
		1	531.4	166.9	1666.7	439.5	441.8	51.1	3160.0	1346.7	411.0	157.3	1266.7	1252.6											
		2	877.6	123.4	981.0	248.0			13925.0	2252.0	280.9	125.3	1440.1	11741.8											
		3	487.5	320.2									487.5	320.2											
		4	265.5	147.4									265.5	147.4											
ALL			567.8	302.8	1355.0	499.4	441.8	51.1	3542.5	1813.6	340.9	150.7	1174.5	1404.9											

CONCENTRATION OF NITROGEN DIOXIDE (UG/M3)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC						
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.						
		MAX	MAX	MAX	MAX	MAX	MAX						
POSITION	DAY												
COMMAND	1	1.0	166.0	2.0	498.0	2.0	359.0	2.0	602.0	2.0	375.0	9.0	602.0
	2	3.0	547.0	2.0	250.0	.	.	2.0	2590.0	2.0	373.0	9.0	2590.0
	3	2.0	286.0	.	.	.	.	.	.	.	.	2.0	286.0
	4	2.0	178.0	.	.	.	.	.	.	.	.	2.0	178.0
	ALL	8.0	547.0	4.0	498.0	2.0	359.0	4.0	2590.0	4.0	375.0	22.0	2590.0
DRIVER	1	2.0	142.0	2.0	307.0	2.0	357.0	2.0	913.0	2.0	361.0	10.0	913.0
	2	3.0	491.0	2.0	188.0	.	.	2.0	1540.0	2.0	247.0	9.0	1540.0
	3	2.0	78.9	.	.	.	.	.	.	.	.	2.0	78.9
	4	2.0	192.0	.	.	.	.	.	.	.	.	2.0	192.0
	ALL	9.0	491.0	4.0	307.0	2.0	357.0	4.0	1540.0	4.0	361.0	23.0	1540.0
LOADER	1	2.0	173.0	2.0	395.0	2.0	387.0	2.0	1060.0	2.0	375.0	10.0	1060.0
	2	2.0	519.0	1.0	280.0	.	.	2.0	1690.0	3.0	186.0	8.0	1690.0
	3	2.0	264.0	.	.	.	.	.	.	.	.	2.0	264.0
	4	2.0	377.0	.	.	.	.	.	.	.	.	2.0	377.0
	ALL	8.0	519.0	3.0	395.0	2.0	387.0	4.0	1690.0	5.0	375.0	22.0	1690.0
ALL	1	5.0	173.0	6.0	498.0	6.0	387.0	6.0	1060.0	6.0	375.0	29.0	1060.0
	2	8.0	547.0	5.0	280.0	.	.	6.0	2590.0	7.0	373.0	26.0	2590.0
	3	6.0	286.0	.	.	.	.	.	.	.	.	6.0	286.0
	4	6.0	377.0	.	.	.	.	.	.	.	.	6.0	377.0
	ALL												

(CONTINUED)

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CONCENTRATION OF NITROGEN DIOXIDE (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC
		MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID
POSITION	DAY												
COMMAND	1	166.0		409.0	125.9	317.0	59.4	372.5	324.6	285.0	127.3	325.9	153.4
	2	508.3	41.8	212.5	53.0			2180.0	579.8	258.0	162.6	758.4	843.7
	3	198.5	123.7									198.5	123.7
	4	154.5	33.2									154.5	33.2
	ALL	299.6	181.7	310.8	138.2	317.0	59.4	1276.3	1111.8	271.5	120.2	475.7	584.8
DRIVER	1	135.0	9.9	243.5	89.8	346.0	15.6	555.5	505.6	271.5	126.6	310.3	230.0
	2	438.6	55.7	160.0	39.6			1204.0	475.2	181.5	92.6	489.4	458.0
	3	67.1	16.7									67.1	16.7
	4	166.5	36.1									166.5	36.1
	ALL	227.9	164.6	201.8	74.4	346.0	15.6	879.8	548.3	226.5	104.4	346.7	342.0
LOADER	1	158.0	21.2	296.5	139.3	379.5	10.6	666.0	557.2	292.5	116.7	358.5	264.8
	2	457.0	87.7	280.0				1196.0	698.6	168.3	15.9	511.4	513.6
	3	190.0	104.7									190.0	104.7
	4	237.6	197.1									237.6	197.1
	ALL	260.7	154.5	291.0	99.0	379.5	10.6	931.0	599.8	218.0	90.3	387.8	363.9
ALL	1	150.4	18.6	316.3	119.9	347.5	39.5	531.3	389.7	283.0	56.2	331.8	216.1
	2	469.1	60.0	205.0	59.5			1526.7	682.7	197.7	87.5	589.3	620.2
	3	151.9	98.2									151.9	98.2
	4	186.2	99.3									186.2	99.3
	ALL	261.3	162.9	265.7	109.5	347.5	39.5	1029.0	742.4	237.1	98.2	402.6	439.2

PASSIVE CONCENTRATION OF NITROGEN DIOXIDE (PPB)

1

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC						
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.						
		MAX	MAX	MAX	MAX	MAX	MAX						
POSITION	DAY												
COMMAND	1	2.0	106.0	1.0	194.0	2.0	227.0	2.0	1240.0	2.0	117.0	9.0	1240.0
	2	3.0	228.0	3.0	543.0	.	.	2.0	1390.0	2.0	213.0	10.0	1390.0
	3	2.0	152.0	.	.	.	.	.	.	.	.	2.0	152.0
	4	2.0	45.8	.	.	.	.	.	.	.	.	2.0	45.8
	ALL	9.0	228.0	4.0	543.0	2.0	227.0	4.0	1390.0	4.0	213.0	23.0	1390.0
DRIVER	1	2.0	136.0	2.0	225.0	2.0	294.0	2.0	515.0	2.0	117.0	10.0	515.0
	2	3.0	345.0	3.0	357.0	.	.	2.0	2550.0	2.0	205.0	10.0	2550.0
	3	2.0	40.9	.	.	.	.	.	.	.	.	2.0	40.9
	4	2.0	69.8	.	.	.	.	.	.	.	.	2.0	69.8
	ALL	9.0	345.0	5.0	357.0	2.0	294.0	4.0	2550.0	4.0	205.0	24.0	2550.0
GUNNER	1	.	.	.	.	2.0	633.0	2.0	411.0	2.0	311.0	6.0	633.0
	2	.	.	.	.	.	.	2.0	1200.0	2.0	166.0	4.0	1200.0
	3	.	.	.	.	2.0	633.0	4.0	1200.0	4.0	311.0	10.0	1200.0
	4	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	9.0	218.0	5.0	331.0	2.0	154.0	2.0	1360.0	2.0	112.0	10.0	1360.0
LOADER	1	2.0	110.0	2.0	297.0	2.0	154.0	2.0	1360.0	2.0	112.0	10.0	1360.0
	2	3.0	218.0	3.0	331.0	.	.	2.0	1490.0	2.0	281.0	10.0	1490.0
	3	2.0	29.3	.	.	.	.	.	.	.	.	2.0	29.3
	4	2.0	99.9	.	.	.	.	.	.	.	.	2.0	99.9
	ALL	9.0	218.0	5.0	331.0	2.0	154.0	4.0	1490.0	4.0	281.0	24.0	1490.0

(CONTINUED)

PASSIVE CONCENTRATION OF NITROGEN DIOXIDE (PPB)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC						
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
		DAY											
ALL													
1		6.0	136.0	5.0	297.0	8.0	633.0	8.0	1360.0	8.0	311.0	35.0	1360.0
2		9.0	345.0	9.0	543.0	.	.	8.0	2550.0	8.0	281.0	34.0	2550.0
3		6.0	152.0	.	.	.	.	.	.	.	.	6.0	152.0
4		6.0	99.9	.	.	.	.	.	.	.	.	6.0	99.9
ALL		27.0	345.0	14.0	543.0	8.0	633.0	16.0	2550.0	16.0	311.0	81.0	2550.0

PASSIVE CONCENTRATION OF NITROGEN DIOXIDE (PPB)

SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE																									
		SILL-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL			
		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC					
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD				
POSITION DAY																									
COMMAND	1	100.3	8.1	194.0		224.0	4.2	806.0	613.8	88.4	40.4	292.4	367.8												
	2	181.0	55.3	367.3	228.5			1113.5	391.0	135.9	109.0	414.4	418.7												
	3	86.1	93.2										93.2												
	4	45.8	0.0																						
ALL		111.9	70.3	324.0	205.7	224.0	4.2	959.8	456.1	112.1	72.5	306.0	370.5												
DRIVER	1	119.5	23.3	200.5	34.6	177.5	164.7	375.0	198.0	98.1	26.7	194.1	135.2												
	2	290.0	53.6	224.0	117.2			1170.5	1102.4	115.3	126.8	531.4	755.7												
	3	33.5	10.4										10.4												
	4	69.8	0.0																						
ALL		146.2	115.6	214.6	85.6	177.5	164.7	1072.8	1033.1	106.7	75.5	310.9	519.1												
GUNNER	1					422.5	297.7	323.0	124.5	182.2	182.2	309.2	197.8												
	2							941.5	365.6	163.5	3.5	552.5	496.3												
	3					422.5	297.7	632.3	421.0	172.8	105.7	406.5	345.9												
	4																								
ALL																									
LOADER	1	97.0	18.3	250.0	66.5	130.0	33.9	924.5	615.9	80.9	43.9	296.5	395.6												
	2	187.7	32.1	199.3	118.6			1385.0	148.5	239.5	58.7	441.0	504.1												
	3	29.1	0.3										0.3												
	4	69.9	42.4																						
ALL		106.1	69.6	219.6	94.4	130.0	33.9	1154.8	452.2	160.2	100.8	315.5	424.4												
ALL	DAY																								
	1	105.6	17.5	219.0	47.0	238.5	175.7	607.1	440.9	112.4	85.1	268.4	293.5												

(CONTINUED)

PASSIVE CONCENTRATION OF NITROGEN DIOXIDE (PPB)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE									
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL				
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
ALL	DAY										
	2	219.6	67.4	263.6	161.8			1302.6	574.2	163.6	83.8
	3	49.6	50.6								
	4	61.8	22.7								
	ALL	121.4	86.3	247.6	131.4	238.5	175.7	954.9	611.2	138.0	85.8
										472.9	546.3
										49.6	50.6
										61.8	22.7
										322.7	426.0

PASSIVE CONCENTRATION OF NITROGEN DIOXIDE (PPB)

9

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY													
COMMAND													
1		2.0	467.0	1.0	1280.0	2.0	289.0	2.0	16300	2.0	160.0	9.0	16300
2		3.0	449.0	3.0	2530.0			2.0	2780.0	2.0	303.0	10.0	2780.0
3		2.0	487.0									2.0	487.0
4		2.0	65.5									2.0	65.5
ALL		9.0	487.0	4.0	2530.0	2.0	289.0	4.0	16300	4.0	303.0	23.0	16300
DRIVER													
1		2.0	452.0	2.0	1160.0	2.0	375.0	2.0	3090.0	2.0	160.0	10.0	3090.0
2		3.0	617.0	3.0	912.0			2.0	5090.0	2.0	291.0	10.0	5090.0
3		2.0	131.0									2.0	131.0
4		2.0	99.7									2.0	99.7
ALL		9.0	617.0	5.0	1160.0	2.0	375.0	4.0	5090.0	4.0	291.0	24.0	5090.0
GUNNER													
1						2.0	802.0	2.0	3090.0	2.0	428.0	6.0	3090.0
2								2.0	2410.0	2.0	236.0	4.0	2410.0
ALL						2.0	802.0	4.0	3090.0	4.0	428.0	10.0	3090.0
LOADER													
1		2.0	482.0	2.0	1340.0	2.0	196.0	2.0	17900	2.0	167.0	10.0	17900
2		3.0	430.0	3.0	773.0			2.0	4160.0	2.0	401.0	10.0	4160.0
3		2.0	92.8									2.0	92.8
4		2.0	143.0									2.0	143.0
ALL		9.0	482.0	5.0	1340.0	2.0	196.0	4.0	17900	4.0	401.0	24.0	17900

(CONTINUED)

PASSIVE CONCENTRATION OF NITROGEN DIOXIDE (PPB)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	
ALL		DAY											
1		6.0	482.0	5.0	1340.0	8.0	802.0	8.0	17900	8.0	428.0	35.0	17900
2		9.0	617.0	9.0	2530.0			8.0	15090.0	8.0	401.0	34.0	15090.0
3		6.0	487.0									6.0	487.0
4		6.0	143.0									6.0	143.0
ALL		27.0	617.0	14.0	2530.0	8.0	802.0	16.0	17900	16.0	428.0	81.0	17900

PASSIVE CONCENTRATION OF NITROGEN DIOXIDE (PPB)

13

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY												
COMMAND	1	347.5	169.0	1280.0		285.0	5.7	9040.0	10267	124.7	49.9	2319.4	5274.3
	2	343.0	119.2	1253.3	1107.2			12750.0	42.4	193.1	155.4	1067.5	1124.2
	3	275.2	299.5									275.2	299.5
	4	64.4	1.6									64.4	1.6
ALL		267.0	180.0	1260.0	904.1	285.0	5.7	5895.0	6951.8	158.9	102.2	1401.3	3363.1
DRIVER	DAY												
	1	390.5	87.0	1085.0	106.1	226.3	210.4	2780.0	438.4	139.5	29.0	924.3	1052.6
	2	541.3	74.1	694.3	194.9			4155.0	1322.3	163.6	180.1	1234.4	1617.2
	3	106.7	34.4									106.7	34.4
ALL		98.1	2.3									98.1	2.3
GUINER	DAY												
	1	312.7	213.8	850.6	260.0	226.3	210.4	3467.5	1130.1	151.6	106.2	916.5	1271.3
	2												
	3												
ALL													
LOADER	DAY												
	1	342.5	197.3	1340.0	0.0	165.5	43.1	10125	10996	117.8	69.7	2418.1	5491.5
	2	353.3	71.3	595.3	154.2			3565.0	841.5	341.0	84.9	1065.8	1354.1
	3	92.4	0.5									92.4	0.5
ALL													
ALL	DAY												
	1	360.2	124.8	1226.0	141.4	303.3	222.5	6118.8	6807.1	159.0	115.5	1741.1	3939.2

(CONTINUED)

PASSIVE CONCENTRATION OF NITROGEN DIOXIDE (PPB)

SAMPLE TYPE BREATHING ZONE		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC						
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
ALL	DAY												
	2	412.6	124.7	847.7	645.2			3196.3	966.5	232.4	119.5	1140.3	1303.1
	3	158.1	162.6									158.1	162.6
	4	87.2	33.0									87.2	33.0
	ALL	272.1	180.5	982.8	545.6	303.3	222.5	4657.5	4933.3	195.7	119.7	1249.2	2756.6

CONCENTRATION OF FORMALDEHYDE (UG/M3)

1

SAMPLE TYPE GENERAL AREA

COMBINATION OF FORT & VEHICLE TYPE									
SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1	
TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC	
# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION	DAY								
COMMAND	1	2.0	10.1	2.0	27.7	2.0	45.2	2.0	98.7
	2	2.0	33.6	2.0	18.1			3.0	208.0
	3	2.0	8.4						
	4	2.0	16.8						
ALL		8.0	33.6	4.0	27.7	2.0	45.2	5.0	208.0
DRIVER	DAY								
	1	2.0	11.5	2.0	27.3	2.0	79.5	2.0	92.3
	2	2.0	39.1	2.0	29.6			3.0	199.0
	3	2.0	8.0						
	4	2.0	19.7						
ALL		8.0	39.1	4.0	29.6	2.0	79.5	5.0	199.0
LOADER	DAY								
	1	2.0	10.9	2.0	46.5	2.0	56.6	2.0	91.8
	2	2.0	32.6	2.0	30.3			3.0	199.0
	3	2.0	8.4						
	4	2.0	27.8						
ALL		8.0	32.6	4.0	46.5	2.0	56.6	5.0	199.0
ALL	DAY								
	1	6.0	11.5	6.0	46.5	6.0	79.5	6.0	98.7
	2	6.0	39.1	6.0	30.3			9.0	208.0
	3	6.0	8.4						
	4	6.0	27.8						

(CONTINUED)

CONCENTRATION OF FORMALDEHYDE (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE									
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL				
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
ALL	ALL	39.1	12.0	46.5	6.0	19.5	15.0	208.0	13.0	56.6	70.0
		24.0	39.1	12.0	46.5	6.0	19.5	15.0	208.0	13.0	56.6

CONCENTRATION OF FORMALDEHYDE (UG/M3)

SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE													
		SILCO-M109		BENNING-M3		KROX-M60		CARSON-M60		KNOX-M1		ALL	
		TOTCORC		TOTCORC		TOTCORC		TOTCORC		TOTCORC		TOTCORC	
		# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX
POST: FORT DAY		1	1	1	1	1	1	1	1	1	1	1	1
COMMAND		1	2.0	10.5	2.0	38.9	2.0	48.7	2.0	112.0	2.0	27.6	10.0
		2	2.0	31.4	2.0	17.4	.	.	1.0	229.0	2.0	52.5	7.0
		3	2.0	18.8	.	.	.	.	.	.	.	2.0	18.8
		4	2.0	14.8	.	.	.	.	.	.	.	2.0	14.8
ALL		8.0	31.4	4.0	38.9	2.0	48.7	3.0	229.0	4.0	52.5	21.0	229.0
DRIVER		1	1	1	1	1	1	1	1	1	1	1	1
		1	2.0	11.3	2.0	18.7	2.0	57.2	2.0	106.0	2.0	27.6	10.0
		2	2.0	35.0	2.0	25.6	.	.	2.0	205.0	2.0	31.5	8.0
		3	2.0	16.1	.	.	.	.	.	.	.	2.0	16.1
		4	2.0	18.6	.	.	.	.	.	.	.	2.0	18.6
ALL		8.0	35.0	4.0	25.6	2.0	57.2	4.0	205.0	4.0	31.5	22.0	205.0
GUNNER		1	1	1	1	1	1	1	1	1	1	1	1
		1	.	.	.	2.0	51.2	1.0	32.2	2.0	27.6	5.0	51.2
		2	.	.	.	.	.	1.0	196.0	2.0	34.8	3.0	196.0
ALL		.	.	.	.	2.0	51.2	2.0	196.0	4.0	34.8	8.0	196.0
LOADER		1	1	1	1	1	1	1	1	1	1	1	1
		1	2.0	9.9	2.0	28.8	2.0	46.3	2.0	118.0	2.0	59.1	10.0
		2	2.0	32.0	2.0	27.3	.	.	1.0	114.0	2.0	38.0	7.0
		3	2.0	18.2	.	.	.	.	.	.	.	2.0	18.2
		4	2.0	17.6	.	.	.	.	.	.	.	2.0	17.6
ALL		8.0	32.0	4.0	28.8	2.0	46.3	3.0	118.0	4.0	59.1	21.0	118.0

(CONTINUED)

CONCENTRATION OF FORMALDEHYDE (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		STILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
		TOTCONC			TOTCONC			TOTCONC			TOTCONC		
		# OF VEHS.	MAX	# OF VEHS.	# OF VEHS.	MAX	# OF VEHS.	# OF VEHS.	MAX	# OF VEHS.	# OF VEHS.	MAX	# OF VEHS.
		ALL			DAY			1			2		
		6.0	11.3	6.0	38.9	8.0	57.2	7.0	118.0	8.0	59.1	35.0	118.0
		6.0	35.0	6.0	27.3	.	.	5.0	229.0	8.0	52.5	25.0	229.0
		6.0	18.8	.	.	.	.	.	.	.	.	6.0	18.8
		6.0	18.6	.	.	.	.	.	.	.	.	6.0	18.6
		24.0	35.0	12.0	38.9	8.0	57.2	12.0	229.0	16.0	59.1	72.0	229.0

CONCENTRATION OF FORMALDEHYDE (UG/M3)

7

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICL TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC						
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION/DAY													
COMMAND	1	9.8	0.4	24.9	4.0	39.0	8.7	65.9	46.3	38.8	15.3	35.7	25.6
	2	32.1	2.1	16.2	2.6			116.9	92.1	34.7	1.9	57.4	64.5
	3	8.0	0.6									8.0	0.6
	4	16.0	1.1									16.0	1.1
ALL		16.5	10.2	20.6	5.7	39.0	8.7	96.5	74.6	36.8	9.2	40.1	45.4
DRIVER	1	10.6	1.2	23.3	5.6	52.5	38.1	61.6	43.3	43.3	4.1	38.3	27.7
	2	35.0	5.7	21.3	11.7			102.9	89.4	44.8	16.6	56.8	57.6
	3	8.0	0.0									8.0	0.0
	4	17.4	3.3									17.4	3.3
ALL		17.8	11.6	22.3	7.6	52.5	38.1	86.4	70.5	44.1	9.9	41.1	42.1
LOADER	1	10.2	1.0	33.0	19.1	42.9	19.4	61.9	42.2	23.8	5.4	34.4	25.0
	2	32.1	0.7	23.9	9.0			113.9	84.2	17.7	3.8	50.7	59.3
	3	8.2	0.2									8.2	0.2
	4	21.4	9.0									21.4	9.0
ALL		18.0	10.8	28.5	13.3	42.9	19.4	93.1	69.3	20.1	5.1	37.9	42.4
ALL	1	10.2	0.8	27.1	10.2	44.8	20.5	63.2	34.1	35.3	11.8	36.1	25.3
	2	33.1	3.1	20.5	7.6			111.2	77.0	30.3	14.4	54.8	58.3
	3	8.1	0.3									8.1	0.3
	4	18.3	5.0									18.3	5.0
ALL		17.4	10.4	23.8	9.2	44.8	20.5	92.0	66.3	32.6	13.0	39.7	42.7

CONCENTRATION OF FORMALDEHYDE (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE														ALL		
		SILL-H109			BENNING-M3			KNOX-M60			CARSON-M60			KNOX-M1				
		TOTCONC			TOTCONC			TOTCONC			TOTCONC			TOTCONC				
		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD			
POSITION	DAY																	
COMMAND	1	10.1	0.6	30.2	12.3	37.0	16.5	73.8	54.0	24.9	3.7	35.2	29.6					
	2	31.3	0.1	15.9	2.1			229.0		46.7	8.2	59.6	75.8					
	3	13.2	7.9															
	4	10.5	6.1															
	ALL	16.3	10.1	23.0	11.0	37.0	16.5	125.5	97.4	35.8	13.6	38.9	49.3					
DRIVER	1	10.7	0.8	18.3	0.6	47.7	13.4	70.4	50.3	25.3	3.3	34.5	28.8					
	2	34.6	0.5	24.4	1.6			152.0	74.9	26.1	7.6	59.3	64.1					
	3	14.4	2.4															
	4	17.8	1.1															
	ALL	19.4	9.8	21.4	3.7	47.7	13.4	111.2	70.2	25.7	4.8	40.2	44.6					
GUNNER	1					41.6	13.6	32.2		25.7	2.6	33.4	10.5					
	2							196.0		29.1	8.0	84.8	96.5					
	3					41.6	13.6	114.1	115.8	27.4	5.2	52.6	58.6					
	4																	
	ALL																	
LOADER	1	9.0	1.3	25.0	5.4	45.9	0.5	76.0	59.4	39.9	27.1	39.2	32.2					
	2	30.1	2.6	23.7	5.0			114.0		34.0	5.7	41.4	32.5					
	3	14.5	5.2															
	4	15.9	2.3															
	ALL	17.4	8.7	24.4	4.3	45.9	0.5	88.7	47.4	37.0	16.3	35.4	29.7					
ALL	1	9.9	1.1	24.5	8.0	43.1	10.5	67.5	41.8	29.0	12.5	35.9	27.3					

(CONTINUED)

CONCENTRATION OF FORMALDEHYDE (UG/M3)

SAMPLE TYPE BREATHING ZONE

	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
1 DAY												
2	32.0	2.4	21.4	4.9			168.6	58.2	34.0	10.1	57.4	62.0
3	14.0	4.4									14.0	4.4
4	14.8	4.5									14.8	4.5
ALL	17.7	9.2	22.9	6.6	43.1	10.5	109.6	69.9	31.5	11.3	39.8	43.4

CONCENTRATION OF FORMALDEHYDE (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
		FIRECONC			FIRECONC			FIRECONC			FIRECONC		
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY													
COMMAND	1	2.0	44.4	2.0	182.0	2.0	57.6	2.0	474.0	2.0	68.1	10.0	474.0
	2	2.0	60.0	2.0	92.2	.	.	3.0	415.0	2.0	51.5	9.0	415.0
	3	2.0	26.3	.	.	.	.	.	.	.	.	2.0	26.3
	4	2.0	23.3	.	.	.	.	.	.	.	.	2.0	23.3
	ALL	8.0	60.0	4.0	182.0	2.0	57.6	5.0	474.0	4.0	68.1	23.0	474.0
DRIVER DAY													
	1	2.0	41.4	2.0	181.0	2.0	103.0	2.0	434.0	2.0	69.0	10.0	434.0
	2	2.0	76.8	2.0	151.0	.	.	3.0	399.0	2.0	80.7	9.0	399.0
	3	2.0	26.0	.	.	.	.	.	.	.	.	2.0	26.0
	4	2.0	28.5	.	.	.	.	.	.	.	.	2.0	28.5
	ALL	8.0	76.8	4.0	181.0	2.0	103.0	5.0	434.0	4.0	80.7	23.0	434.0
LOADER DAY													
	1	2.0	45.7	2.0	308.0	2.0	72.2	2.0	450.0	2.0	41.3	10.0	450.0
	2	2.0	61.1	2.0	155.0	.	.	3.0	399.0	3.0	30.9	10.0	399.0
	3	2.0	26.5	.	.	.	.	.	.	.	.	2.0	26.5
	4	2.0	40.5	.	.	.	.	.	.	.	.	2.0	40.5
	ALL	8.0	61.1	4.0	308.0	2.0	72.2	5.0	450.0	5.0	41.3	24.0	450.0
ALL DAY													
	1	6.0	45.7	6.0	308.0	6.0	103.0	6.0	474.0	6.0	69.0	30.0	474.0
	2	6.0	76.8	6.0	155.0	.	.	9.0	415.0	7.0	80.7	28.0	415.0
	3	6.0	26.5	.	.	.	.	.	.	.	.	6.0	26.5
	4	6.0	40.5	.	.	.	.	.	.	.	.	6.0	40.5
	ALL	24.0	45.7	24.0	308.0	24.0	103.0	24.0	474.0	24.0	69.0	118.0	474.0

(CONTINUED)

CONCENTRATION OF FORMALDEHYDE (UG/M3)

SAMPLE TYPE GENERAL AREA

COMBINATION OF FORT & VEHICLE TYPE												
</												

CONCENTRATION OF FORMALDEHYDE (UG/M3)

SAMPLE TYPE (BREATHING ZONE)

COMBINATION OF FORK & VEHICLE TYPE													
SAMPLE TYPE		STILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		FIRECONC		FIRECONC		FIRECONC		FIRECONC		FIRECONC		FIRECONC	
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION (DAY)													
COMMAND													
1		2.0	41.3	2.0	258.0	2.0	60.4	2.0	494.0	2.0	41.3	10.0	494.0
2		2.0	64.5	2.0	81.4	.	.	1.0	458.0	2.0	74.7	7.0	458.0
3		2.0	38.6	.	.	.	.	.	.	.	.	2.0	38.6
4		2.0	20.4	.	.	.	.	.	.	.	.	2.0	20.4
ALL		8.0	64.5	4.0	258.0	2.0	60.4	3.0	494.0	4.0	74.7	21.0	494.0
DRIVER													
DAY		.	.	.	.	.	.	.	.	.	.	.	.
1		2.0	45.1	2.0	93.4	2.0	71.0	2.0	483.0	2.0	41.3	10.0	483.0
2		2.0	71.9	2.0	130.0	.	.	2.0	410.0	2.0	44.8	8.0	410.0
3		2.0	35.0	.	.	.	.	.	.	.	.	2.0	35.0
4		2.0	26.6	.	.	.	.	.	.	.	.	2.0	26.6
ALL		8.0	71.9	4.0	130.0	2.0	71.0	4.0	483.0	4.0	44.8	22.0	483.0
GUNNER													
DAY		.	.	.	.	.	.	.	.	.	.	.	.
1		.	.	.	.	2.0	63.5	1.0	335.0	2.0	41.3	5.0	335.0
2		.	.	.	.	.	.	1.0	391.0	2.0	49.6	3.0	391.0
ALL		.	.	.	.	2.0	63.5	2.0	391.0	4.0	49.6	8.0	391.0
LOADER													
DAY		.	.	.	.	.	.	.	.	.	.	.	.
1		2.0	31.9	2.0	144.0	2.0	57.4	2.0	499.0	2.0	88.4	10.0	499.0
2		2.0	65.8	2.0	139.0	.	.	1.0	370.0	2.0	54.2	7.0	370.0
3		2.0	39.8	.	.	.	.	.	.	.	.	2.0	39.8
4		2.0	25.1	.	.	.	.	.	.	.	.	2.0	25.1
ALL		8.0	65.8	4.0	144.0	2.0	57.4	3.0	499.0	4.0	88.4	21.0	499.0

(CONTINUED)

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CONCENTRATION OF FORMALDEHYDE (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC						
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY												
COMMAND	1	33.6	15.3	140.8	58.3	49.6	11.2	417.5	79.9	54.9	18.6	139.3	155.6
	2	58.6	2.0	79.7	17.6	.	.	370.7	55.1	49.4	3.0	165.3	157.0
	3	25.3	1.4	.	.	.	.	.	.	.	.	25.3	1.4
	4	22.6	1.0	.	.	.	.	.	.	.	.	22.6	1.0
	ALL	35.0	16.3	110.2	49.8	49.6	11.2	389.4	61.4	52.2	11.3	129.4	146.5
DRIVER	DAY												
	1	34.5	9.7	134.1	66.3	67.8	49.9	384.5	70.0	62.3	9.5	136.6	139.9
	2	65.3	16.2	105.9	63.7	.	.	324.3	64.7	63.7	24.0	160.3	130.7
	3	25.9	0.1	.	.	.	.	.	.	.	.	25.9	0.1
	4	24.6	5.4	.	.	.	.	.	.	.	.	24.6	5.4
LOADER	ALL	37.6	19.1	120.0	55.5	67.8	49.9	348.4	66.4	63.0	14.9	126.5	128.8
	DAY												
	1	34.2	16.2	197.9	155.6	54.3	25.2	397.5	74.2	34.4	9.8	143.7	159.6
	2	59.3	2.5	118.5	51.5	.	.	386.3	20.2	25.1	5.4	159.0	161.8
	3	26.3	0.3	.	.	.	.	.	.	.	.	26.3	0.3
ALL	4	30.6	13.9	.	.	.	.	.	.	.	.	30.6	13.9
	ALL	37.6	16.0	158.2	105.2	54.3	25.2	390.8	40.3	28.8	8.0	130.9	149.8
	DAY												
	1	34.1	10.9	157.6	86.0	57.2	26.8	399.8	59.8	50.5	16.5	139.9	146.7
	2	61.1	8.1	101.4	41.5	.	.	360.4	51.8	43.1	20.6	161.5	145.2
ALL	3	25.8	0.8	.	.	.	.	.	.	.	.	25.8	0.8
	4	26.0	7.7	.	.	.	.	.	.	.	.	26.0	7.7
	ALL	36.8	16.5	129.5	70.7	57.2	26.8	376.2	56.7	46.5	18.5	129.0	140.1

CONCENTRATION OF FORMALDEHYDE (UG/M3)

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SAMPLE TYPE BREATHING ZONE

		COMBINATION OF PORT & VEHICLE TYPE																
		SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60			KNOX-M1			ALL	
		FIRECONC			FIRECONC			FIRECONC			FIRECONC			FIRECONC			FIRECONC	
		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD
POSITION		DAY																
COMMAND	1	32.2	12.8	177.4	113.9	45.4	21.1	434.0	84.9	34.4	9.8	144.7	169.9					
	2	59.5	7.0	77.3	5.8			458.0		66.3	11.9	123.5	147.8					
	3	27.2	16.1									27.2	16.1					
	4	14.6	8.1									14.6	8.1					
	ALL	33.4	19.6	127.4	87.6	45.4	21.1	442.0	61.6	50.3	20.4	114.1	147.7					
DRIVER	DAY																	
	1	34.8	14.6	86.9	9.2	58.9	17.0	426.5	79.9	34.8	9.2	128.4	160.9					
	2	65.2	9.4	119.5	14.8			366.0	62.2	37.0	11.0	146.9	141.1					
	3	30.7	6.1									30.7	6.1					
	4	25.1	2.1									25.1	2.1					
GUNNER	ALL	39.0	18.0	103.2	21.4	58.9	17.0	396.3	68.1	35.9	8.4	116.9	140.2					
	DAY																	
	1					51.4	17.0	335.0		35.3	8.4	101.7	131.0					
	2							391.0		41.4	11.6	157.9	202.0					
	ALL					51.4	17.0	363.0	39.6	38.4	9.0	122.8	149.4					
LOADER	DAY																	
	1	27.8	5.7	119.6	34.5	56.8	0.8	427.5	101.1	57.0	44.3	137.8	160.6					
	2	57.6	11.6	116.6	31.6			370.0		48.2	8.4	116.4	116.7					
	3	30.8	12.7									30.8	12.7					
	4	22.4	3.8									22.4	3.8					
ALL	ALL	34.7	16.1	118.1	27.1	56.8	0.8	408.3	78.8	52.6	26.5	109.5	132.3					
	DAY																	
	1	31.6	9.6	128.0	67.3	53.2	13.3	415.9	72.5	40.4	20.6	131.9	153.4					

(CONTINUED)

CONCENTRATION OF FORMALDEHYDE (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
ALL	DAY												
	2	60.8	8.2	104.5	26.4			390.2	50.1	48.2	14.5	133.1	135.4
	3	29.6	9.7									29.6	9.7
	4	20.7	6.4									20.7	6.4
	ALL	35.7	17.3	116.2	50.3	53.2	13.3	405.2	62.9	44.3	17.6	114.6	138.2

CONCENTRATION OF AMMONIA (UG/M3)

SAMPLE TYPE GENERAL AREA

COMBINATION OF FORT & VEHICLE TYPE													
SILL-M109		CARSON-M109		BLNNG-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC	
# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION	DAY												
COMMAND	1	3.0	72.5	2.0	87.8	3.0	169.0	2.0	650.0	2.0	299.0	3.0	564.0
	2	2.0	264.0			2.0	102.0			2.0	60.5	2.0	697.0
	3	2.0	62.9										
	4	2.0	92.0										
ALL		9.0	264.0	2.0	87.8	5.0	169.0	2.0	650.0	4.0	299.0	5.0	697.0
DRIVER	DAY												
	1	3.0	232.0	2.0	24.0	3.0	75.5	2.0	110.0	2.0	86.6	2.0	235.0
	2	2.0	298.0			2.0	86.5			2.0	34.5	2.0	129.0
	3	2.0	32.1										
	4	2.0	227.0										
ALL		9.0	298.0	2.0	24.0	5.0	86.5	2.0	110.0	4.0	86.6	4.0	235.0
LOADER	DAY												
	1	3.0	142.0	2.0	40.8	3.0	76.5	2.0	836.0	2.0	180.0	3.0	483.0
	2	2.0	176.0			2.0	68.9			2.0	28.9	2.0	512.0
	3	2.0	32.1										
	4	3.0	79.3										
ALL		10.0	176.0	2.0	40.8	5.0	76.5	2.0	836.0	4.0	180.0	5.0	512.0
ALL	DAY												
	1	9.0	232.0	6.0	87.8	9.0	169.0	6.0	836.0	6.0	299.0	8.0	564.0
	2	6.0	298.0			6.0	102.0			6.0	60.5	6.0	697.0
	3	6.0	62.9										
	4	7.0	227.0										

(CONTINUED)

CONCENTRATION OF AMMONIA (UG/M3)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE													
		SILL-H109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL							
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC							
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.							
		MAX	MAX	MAX	MAX	MAX	MAX	MAX							
ALL	ALL	28.0	298.0	6.0	87.8	15.0	169.0	6.0	836.0	12.0	299.0	14.0	697.0	81.0	836.0

SAMPLE LOCATION AREA

	CONCENTRATION OF FOLIAR VEHICLE TYPE														ALL
	SALE-BEVO	CARSON-M109	BENTON-M3	KNOX-B60	CARSON-M60	KNOX-M1	TOICORC	TOICORC	TOICORC	TOICORC	TOICORC	TOICORC	TOICORC	TOICORC	
	BEAN	BEAN	BEAN	BEAN	BEAN	BEAN	BEAN	BEAN	BEAN	BEAN	BEAN	BEAN	BEAN	BEAN	STD
1	114.0	103.1	23.7	0.4	73.7	2.0	100.5	13.4	73.7	18.2	143.0	130.0	88.8	65.9	
2	200.0	129.7			84.8	2.3			29.8	6.6	127.5	2.1	112.3	84.6	
3	29.3	4.0											29.3	4.0	
4	153.3	100.2											153.3	104.2	
5	129.6	101.5	23.7	0.4	77.9	6.7	100.5	13.4	51.8	27.7	135.3	75.6	96.4	73.7	
6															
7	87.8	57.9	30.7	11.4	67.0	8.5	575.5	368.4	122.5	81.3	340.0	140.6	196.4	221.5	
8	133.7	50.8			68.4	0.6			27.6	1.8	420.5	129.4	162.6	172.9	
9	41.4	6.9											31.4	0.9	
10	53.1	20.0													
11	75.3	90.3	30.7	11.4	67.6	6.1	575.5	368.4	75.0	72.2	372.2	126.5	159.6	191.0	
12															
13	85.9	63.5	37.4	29.6	83.4	33.1	358.7	313.6	132.2	92.4	302.8	172.5	161.7	179.4	
14	186.6	80.9			80.2	13.1			35.3	13.1	356.2	221.8	164.6	167.6	
15	36.0	13.2											36.0	13.3	
16	87.9	64.7											87.9	64.7	
17	77.3	77.7	37.4	29.6	82.1	26.3	358.7	313.6	83.8	80.8	325.6	188.9	146.9	164.8	

CONCENTRATION OF AMMONIA (UG/M3)

SAMPLE TYPE	GENERAL AREA	COMBINATION OF TOKE & VEHICLE TYPE											
		CARSON-M109			BENNING-M3			KNOX-M60			CARSON-M60		
		FIRE CONC	# OF VEH.	# OF VEH.	FIRE CONC	# OF VEH.	# OF VEH.	FIRE CONC	# OF VEH.	# OF VEH.	FIRE CONC	# OF VEH.	# OF VEH.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
FOSSETT QUARTERS													
COMBARD 11													
1		3.0	203.0	2.0	319.0	3.0	799.0	2.0	795.0	2.0	1680.0	3.0	854.0
2		2.0	488.0	.1	.1	2.0	520.0	.1	.1	2.0	574.0	2.0	825.0
3		2.0	161.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0
4		2.0	146.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0
5		9.0	488.0	2.0	319.0	5.0	759.0	2.0	795.0	4.0	1680.0	5.0	854.0
CARTER													
1		3.0	652.0	2.0	87.1	3.0	365.0	2.0	136.0	2.0	420.0	2.0	291.0
2		2.0	517.0	.1	.1	2.0	418.0	.1	.1	2.0	328.0	2.0	152.0
3		2.0	83.5	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0
4		2.0	310.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0
ALL		9.0	652.0	2.0	87.1	5.0	418.0	2.0	136.0	4.0	420.0	4.0	291.0
COMBARD													
1		3.0	396.0	2.0	148.0	3.0	306.0	2.0	1010.0	2.0	871.0	3.0	599.0
2		2.0	321.0	.1	.1	2.0	329.0	.1	.1	2.0	342.0	2.0	607.0
3		2.0	83.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0
4		3.0	126.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	3.0
ALL		10.0	396.0	2.0	148.0	5.0	329.0	2.0	1010.0	4.0	871.0	5.0	607.0
AL													
1		9.0	652.0	6.0	319.0	9.0	759.0	6.0	1010.0	6.0	1680.0	8.0	854.0
2		6.0	517.0	.1	.1	6.0	520.0	.1	.1	6.0	574.0	6.0	825.0
3		6.0	161.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	6.0
4		7.0	310.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	7.0

(CONTINUED)

CONCENTRATION OF AMMONIA (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		STU-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
ALL	ALL	652.01	319.01	15.01	759.01	6.01	1010.01	12.01	1680.01	14.01	854.01	81.01	1680.01

CONCENTRATION OF AMMONIA (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		STILL-M109			CARSON-M109			BENNING-M3			KNOX-M60		
		FIRE CONC			FIRE CONC			FIRE CONC			FIRE CONC		
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY													
COMMAND	1	154.3	42.2	196.9	172.7	490.7	232.4	494.5	425.0	1093.0	830.1	527.7	307.6
	2	478.5	13.4	.	.	393.5	178.9	.	.	524.0	70.7	613.5	299.1
	3	121.7	55.6	.	.	.	.	.	.	.	.	.	121.7
	4	111.7	48.5	.	.	.	.	.	.	.	.	.	111.7
	ALL	209.6	157.2	196.9	172.7	451.8	194.5	494.5	425.0	808.5	582.5	562.0	268.1
DRIVER	1	317.7	291.7	81.4	8.0	328.7	32.6	127.0	12.7	386.5	47.4	184.1	151.1
	2	366.0	213.5	.	.	363.0	77.8	.	.	328.0	0.0	150.0	2.8
	3	76.3	10.1	.	.	.	.	.	.	.	.	.	76.3
	4	218.5	129.4	.	.	.	.	.	.	.	.	.	218.5
	ALL	252.7	204.8	81.4	8.0	342.4	49.0	127.0	12.7	357.3	43.5	167.1	89.5
LOADER	1	245.3	145.3	113.4	48.9	298.0	8.0	708.5	426.4	629.0	342.2	457.3	171.3
	2	284.0	52.3	.	.	289.5	55.9	.	.	308.5	47.4	495.5	157.7
	3	82.1	1.6	.	.	.	.	.	.	.	.	.	82.1
	4	91.3	31.5	.	.	.	.	.	.	.	.	.	91.3
	ALL	174.2	117.3	113.4	48.9	290.6	28.9	708.5	426.4	468.8	272.1	472.6	146.0
ALL	1	239.1	178.9	130.6	96.4	372.4	147.7	443.3	376.4	702.8	514.6	415.4	245.2
	2	376.2	131.7	.	.	348.7	102.6	.	.	386.8	113.2	419.7	263.2
	3	93.4	33.6	.	.	.	.	.	.	.	.	.	93.4
	4	133.5	83.5	.	.	.	.	.	.	.	.	.	133.5
	ALL	210.8	159.4	130.6	96.4	362.9	128.0	443.3	376.4	544.8	391.7	417.2	242.9

CONCENTRATION OF SULFUR DIOXIDE (UG/M3)

SAMPLE TYPE GENERAL AREA

COMBINATION OF TANK & VEHICLE TYPE															
		SULL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		TOICONG		TOICONG		TOICONG		TOICONG		TOICONG		TOICONG		TOICONG	
		# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX
POSITION DAY															
COMMAND															
	1	2.0	49.6	2.0	59.6	3.0	111.0	2.0	62.9	3.0	156.0	2.0	99.6	14.0	156.0
	2	2.0	152.0	.	.	2.0	70.7	.	.	2.0	86.9	2.0	72.1	8.0	152.0
	3	2.0	74.1	.	.	.	.	.	.	.	.	.	.	2.0	74.1
	4	2.0	79.9	.	.	.	.	.	.	.	.	.	.	2.0	79.9
	ALL	8.0	152.0	2.0	59.6	5.0	111.0	2.0	62.9	5.0	156.0	4.0	99.6	26.0	156.0
DRIVER DAY															
	1	3.0	219.0	2.0	59.4	3.0	94.3	2.0	62.0	3.0	158.0	2.0	99.6	15.0	219.0
	2	2.0	4550.0	.	.	2.0	68.1	.	.	1.0	70.3	2.0	69.5	7.0	4550.0
	3	2.0	130.0	.	.	.	.	.	.	.	.	.	.	2.0	130.0
	4	2.0	82.8	.	.	.	.	.	.	.	.	.	.	2.0	82.8
	ALL	9.0	4550.0	2.0	59.4	5.0	94.3	2.0	62.0	4.0	158.0	4.0	99.6	26.0	4550.0
LOADER DAY															
	1	2.0	205.0	2.0	58.8	3.0	93.1	2.0	59.4	3.0	167.0	2.0	103.0	14.0	205.0
	2	2.0	161.0	.	.	2.0	71.3	.	.	2.0	77.4	2.0	70.7	8.0	161.0
	3	2.0	70.1	.	.	.	.	.	.	.	.	.	.	2.0	70.1
	4	2.0	73.6	.	.	.	.	.	.	.	.	.	.	2.0	73.6
	ALL	8.0	205.0	2.0	58.8	5.0	93.1	2.0	59.4	5.0	167.0	4.0	103.0	26.0	205.0
ALL DAY															
	1	7.0	219.0	6.0	59.6	9.0	111.0	6.0	62.9	9.0	167.0	6.0	103.0	43.0	219.0
	2	6.0	4550.0	.	.	6.0	71.3	.	.	5.0	86.9	6.0	72.1	23.0	4550.0
	3	6.0	130.0	.	.	.	.	.	.	.	.	.	.	6.0	130.0
	4	6.0	82.8	.	.	.	.	.	.	.	.	.	.	6.0	82.8

(CONTINUED)

CONCENTRATION OF SULFUR DIOXIDE (UG/M3)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE									
		S111-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL			
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC			
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.			
		MAX	MAX	MAX	MAX	MAX	MAX	MAX			
ALL	JALL	25.0	59.6	15.0	6.0	62.9	14.0	167.0	12.0	103.0	78.0
		4550.0		111.0							4550.0

CONCENTRATION OF SULFUR DIOXIDE (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF PORT & VEHICLE TYPE															
		SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY																
COMMAND	1	48.7	1.2	58.4	1.6	92.4	17.5	51.8	15.7	148.7	11.0	94.3	7.5	87.8	39.0		
	2	130.0	31.1	.	.	60.2	14.8	.	.	12.7	20.0	70.4	2.3	83.3	32.9		
	3	57.5	23.4	.	.	.	.	.	.	.	.	.	.	57.5	23.4		
	4	74.1	8.1	.	.	.	.	.	.	.	.	.	.	74.1	8.1		
	ALL	77.6	37.0	58.4	1.6	79.5	22.8	51.8	15.7	118.3	43.5	82.4	14.5	83.1	34.5		
DRIVER	1	112.6	92.3	56.3	4.4	82.5	10.3	57.3	6.6	147.0	12.8	93.4	8.8	96.0	48.6		
	2	2377.0	3073.1	.	.	55.4	17.9	.	.	70.3	.	69.0	0.7	724.7	1687.6		
	3	82.9	66.6	.	.	.	.	.	.	.	.	.	.	82.9	66.6		
	4	76.0	9.5	.	.	.	.	.	.	.	.	.	.	76.0	9.5		
	ALL	601.1	1482.3	56.3	4.4	71.7	18.8	57.3	6.6	127.8	39.7	81.2	15.0	262.8	875.7		
LOADER	1	123.6	115.0	55.9	4.1	85.3	11.4	56.4	4.2	151.0	14.7	98.5	6.4	98.4	49.0		
	2	128.3	46.3	.	.	59.9	16.1	.	.	66.8	14.9	70.5	0.3	81.4	35.1		
	3	53.1	24.0	.	.	.	.	.	.	.	.	.	.	53.1	24.0		
	4	71.0	3.7	.	.	.	.	.	.	.	.	.	.	71.0	3.7		
	ALL	94.0	59.1	55.9	4.1	75.2	18.0	56.4	4.2	117.3	47.8	84.5	16.6	87.6	42.6		
ALL	1	97.5	78.6	56.9	3.0	86.8	12.4	55.2	8.3	148.9	11.3	95.4	6.4	94.1	45.0		
	2	878.4	1799.1	.	.	58.5	12.9	.	.	69.9	12.8	70.0	1.3	277.9	932.1		
	3	64.5	36.3	.	.	.	.	.	.	.	.	.	.	64.5	36.3		
	4	73.7	6.3	.	.	.	.	.	.	.	.	.	.	73.7	6.3		
	ALL	271.3	893.1	56.9	3.0	75.5	18.8	55.2	8.3	120.7	40.9	82.7	14.0	144.5	507.0		

CONCENTRATION OF SULFUR DIOXIDE (UG/M3)

SAMPLE TYPE BREATHING ZONE

SAMPLE TYPE BREATHING ZONE		COMBINATION OF FORI & VEHICLE TYPE															
		SULL-M109				CARSON-M109				BENNING-M3				KNOX-M60			
		MEAN	STD	TOTCONC	MEAN	STD	TOTCONC	MEAN	STD	TOTCONC	MEAN	STD	TOTCONC	MEAN	STD	TOTCONC	MEAN
POSITION DAY		MEAN	STD	TOTCONC	MEAN	STD	TOTCONC	MEAN	STD	TOTCONC	MEAN	STD	TOTCONC	MEAN	STD	TOTCONC	MEAN
COMMAND																	
1		54.1	0.5	63.6	4.2	94.7	29.6	73.0	9.1	163.5	53.0	97.0	3.7	91.3	41.0		
2		385.5	109.6	.	.	58.7	13.7	.	.	71.7	20.7	87.6	.	159.9	161.1		
3		55.3	4.8	.	.	.	.	.	.	.	.	.	.	55.3	4.8		
4		77.9	1.6	.	.	.	.	.	.	.	.	.	.	77.9	1.6		
ALL		143.2	155.5	63.6	4.2	80.3	29.6	73.0	9.1	117.6	62.3	93.9	6.0	107.2	94.6		
DRIVER																	
DAY																	
1		50.9	5.1	58.6	6.4	71.1	14.5	67.5	12.4	140.0	18.4	108.0	.	79.6	33.2		
2		182.0	2.8	.	.	54.0	10.4	.	.	65.2	.	90.7	1.3	102.7	56.5		
3		58.2	6.9	.	.	.	.	.	.	.	.	.	.	58.2	6.9		
4		150.3	104.2	.	.	.	.	.	.	.	.	.	.	150.3	104.2		
ALL		110.3	72.6	58.6	6.4	64.3	14.8	67.5	12.4	115.1	45.1	96.5	10.0	90.9	49.5		
GUNNER																	
DAY																	
1		.	.	.	.	.	.	64.9	6.7	150.5	37.5	97.0	3.7	104.1	42.3		
2		.	.	.	.	.	.	.	.	68.6	.	78.9	8.4	75.5	8.4		
ALL		.	.	.	.	.	.	64.9	6.7	123.2	54.2	88.0	11.7	94.6	36.6		
LOADER																	
DAY																	
1		66.1	12.4	57.9	3.9	74.9	20.1	66.2	3.3	164.5	57.3	98.7	6.1	87.0	41.3		
2		165.5	77.1	.	.	.	.	.	.	77.6	.	76.0	4.3	112.1	62.2		
3		56.4	4.7	.	.	.	.	.	.	.	.	.	.	56.4	4.7		
4		70.7	10.0	.	.	.	.	.	.	.	.	.	.	70.7	10.0		
ALL		89.7	55.8	57.9	3.9	74.9	20.1	66.2	3.3	135.5	64.5	87.4	13.8	88.5	44.5		
ALL																	
DAY																	
1		57.0	9.4	60.1	4.7	80.2	22.2	67.9	7.3	154.6	35.2	99.1	5.2	88.6	38.6		

(CONTINUED)

CONCENTRATION OF SULFUR DIOXIDE (UG/M3)

9

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
ALL	DAY												
	2	244.3	124.9			56.4	10.3			71.0	11.3	82.7	7.8
	3	56.6	4.5									56.6	4.5
	4	99.6	61.2									99.6	61.2
ALL		114.4	102.1	60.1	4.7	72.9	22.1	67.9	7.3	122.5	50.6	90.9	10.6
												95.7	64.1

CONCENTRATION OF SULFUR DIOXIDE (UG/M3)

12

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SULL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC
		# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
POSITION DAY													
COMMAND	1	2.0	139.0	2.0	209.0	3.0	497.0	2.0	17.0	3.0	761.0	2.0	135.0
	2	2.0	291.0	2.0	259.0	2.0	259.0	2.0	826.0	2.0	85.3	8.0	826.0
	3	2.0	189.0	2.0	259.0	2.0	259.0	2.0	826.0	2.0	85.3	8.0	826.0
	4	2.0	127.0	2.0	209.0	2.0	209.0	2.0	17.0	3.0	761.0	2.0	135.0
ALL		8.0	291.0	2.0	209.0	5.0	497.0	2.0	17.0	5.0	826.0	4.0	135.0
DRIVER DAY													
1	1	3.0	351.0	2.0	194.0	3.0	424.0	2.0	16.3	3.0	770.0	2.0	132.0
	2	2.0	8400.0	2.0	194.0	2.0	252.0	2.0	826.0	2.0	826.0	2.0	826.0
	3	2.0	338.0	2.0	194.0	2.0	252.0	2.0	826.0	2.0	826.0	2.0	826.0
	4	2.0	113.0	2.0	194.0	2.0	252.0	2.0	826.0	2.0	826.0	2.0	826.0
ALL		9.0	8400.0	2.0	194.0	5.0	424.0	2.0	16.3	4.0	914.0	4.0	132.0
LOADER DAY													
1	1	2.0	566.0	2.0	214.0	3.0	419.0	2.0	71.9	3.0	820.0	2.0	142.0
	2	2.0	294.0	2.0	214.0	2.0	259.0	2.0	826.0	2.0	826.0	2.0	826.0
	3	2.0	185.0	2.0	214.0	2.0	259.0	2.0	826.0	2.0	826.0	2.0	826.0
	4	2.0	117.0	2.0	214.0	2.0	259.0	2.0	826.0	2.0	826.0	2.0	826.0
ALL		8.0	566.0	2.0	214.0	5.0	419.0	2.0	71.9	5.0	820.0	4.0	142.0
DAY													
1	1	7.0	566.0	6.0	214.0	9.0	497.0	6.0	71.0	9.0	820.0	6.0	142.0
	2	6.0	8400.0	6.0	214.0	6.0	259.0	6.0	826.0	6.0	826.0	6.0	826.0
	3	6.0	338.0	6.0	214.0	6.0	259.0	6.0	826.0	6.0	826.0	6.0	826.0
	4	6.0	127.0	6.0	214.0	6.0	259.0	6.0	826.0	6.0	826.0	6.0	826.0
ALL		27.0	566.0	24.0	214.0	36.0	497.0	24.0	71.0	36.0	820.0	24.0	142.0

(CONTINUED)

CONCENTRATION OF SULFUR DIOXIDE (UG/M3)

13

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE									
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL			
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC
		# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
ALL	ALL	25.018400.0	6.01214.0	15.01497.0	6.0177.0	14.01914.0	12.01142.0	78.018400.0			

CONCENTRATION OF SULFUR DIOXIDE (UG/M3)

SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE																													
		SHE-M109				CARSON-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL			
		FIRE CONC				FIRE CONC				FIRE CONC				FIRE CONC				FIRE CONC				FIRE CONC				FIRE CONC			
		# OF VEHs.				# OF VEHs.				# OF VEHs.				# OF VEHs.				# OF VEHs.				# OF VEHs.							
		MAX				MAX				MAX				MAX				MAX				MAX							
POSITION DAY																													
COMMAND	1	2.0	144.0	2.0	227.0	3.0	565.0	2.0	94.6	2.0	905.0	2.0	143.0	13.0	905.0														
	2	2.0	1180.0	.	2.0	251.0	.	2.0	821.0	1.0	104.0	7.0	1180.0																
	3	2.0	99.2	.	.	.	.	.	.	.	.	2.0	99.2																
	4	2.0	118.0	.	.	.	.	.	.	.	.	2.0	118.0																
	ALL	8.0	1180.0	2.0	227.0	5.0	565.0	2.0	94.6	4.0	905.0	3.0	143.0	24.0	1180.0														
DRIVER DAY	1	2.0	144.0	2.0	215.0	3.0	395.0	2.0	89.7	2.0	719.0	1.0	134.0	12.0	719.0														
	2	2.0	298.0	.	2.0	226.0	.	1.0	619.0	2.0	107.0	7.0	619.0																
	3	2.0	122.0	.	.	.	.	.	.	.	.	2.0	122.0																
	4	2.0	334.0	.	.	.	.	.	.	.	.	2.0	334.0																
	ALL	8.0	334.0	2.0	215.0	5.0	395.0	2.0	89.7	3.0	719.0	3.0	134.0	23.0	719.0														
GUNNER DAY	1	.	.	.	.	.	.	2.0	82.1	2.0	743.0	2.0	143.0	6.0	743.0														
	2	.	.	.	.	.	.	.	.	1.0	652.0	2.0	99.2	3.0	652.0														
	ALL	.	.	.	.	.	.	2.0	82.1	3.0	743.0	4.0	143.0	9.0	743.0														
	LOADER DAY	1	2.0	196.0	2.0	207.0	3.0	441.0	2.0	80.6	2.0	934.0	2.0	143.0	13.0	934.0													
		2	2.0	333.0	.	.	.	.	.	.	1.0	737.0	2.0	92.4	5.0	737.0													
3		2.0	107.0	.	.	.	.	.	.	.	.	2.0	107.0																
4		2.0	116.0	.	.	.	.	.	.	.	.	2.0	116.0																
ALL		8.0	333.0	2.0	207.0	3.0	441.0	2.0	80.6	3.0	934.0	4.0	143.0	22.0	934.0														

(CONTINUED)

CONCENTRATION OF SULFUR DIOXIDE (UG/M3)

SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE													
	SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL
	FIRECONC	# OF VEH.	FIRECONC	# OF VEH.	FIRECONC	# OF VEH.	FIRECONC	# OF VEH.	FIRECONC	# OF VEH.	FIRECONC	# OF VEH.	FIRECONC
MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
1 DAY	6.0	196.0	6.0	227.0	9.0	565.0	8.0	94.6	8.0	934.0	7.0	143.0	44.0
1	6.0	1180.0	.1	.1	4.0	251.0	.1	.1	5.0	821.0	7.0	107.0	22.0
2	6.0	122.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	6.0
3	6.0	334.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	6.0
4	24.0	1180.0	6.0	227.0	13.0	565.0	8.0	94.6	13.0	934.0	14.0	143.0	78.0
ALL	24.0	1180.0	6.0	227.0	13.0	565.0	8.0	94.6	13.0	934.0	14.0	143.0	78.0

CONCENTRATION OF SULFUR DIOXIDE (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORI & VEHICLE TYPE																					
		SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60				KNOX-M1				ALL	
		FIRECONC				FIRECONC				FIRECONC				FIRECONC				FIRECONC				FIRECONC	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD		
POSITION	DAY																						
COMMAND	1	134.5	6.4	199.0	14.1	412.3	74.0	64.8	17.2	701.7	101.9	129.5	7.8	314.1	247.3								
	2	286.0	7.1	.	.	249.5	13.4	.	.	793.5	46.0	82.8	3.5	353.0	284.6								
	3	148.0	58.0	.	.	.	.	.	.	.	.	.	.	148.0	58.0								
	4	109.5	24.7	.	.	.	.	.	.	.	.	.	.	109.5	24.7								
ALL	1	169.5	77.3	199.0	14.1	347.2	103.6	64.8	17.2	738.4	90.8	106.2	27.4	297.6	245.8								
	DAY																						
	1	226.0	109.7	193.0	1.4	370.0	55.6	72.1	5.9	697.3	93.4	128.0	5.7	311.1	229.4								
	2	4376.5	5690.1	.	.	229.5	31.8	.	.	914.0	.	81.1	0.1	11469.8	3069.2								
DRIVER	3	215.8	172.9	.	.	.	.	.	.	.	.	.	.	215.8	172.9								
	4	111.5	2.1	.	.	.	.	.	.	.	.	.	.	111.5	2.1								
	ALL	1120.6	2731.9	193.0	1.4	313.8	87.9	72.1	5.9	751.5	132.5	104.6	27.2	600.3	1607.5								
	DAY																						
LOADER	1	343.0	315.4	191.5	31.8	380.7	33.2	70.4	2.1	728.7	150.5	135.0	9.9	343.4	260.1								
	2	284.0	14.1	.	.	247.0	17.0	.	.	733.5	2.1	82.9	1.1	336.9	258.0								
	3	139.4	64.5	.	.	.	.	.	.	.	.	.	.	139.4	64.5								
	4	104.5	17.7	.	.	.	.	.	.	.	.	.	.	104.5	17.7								
ALL	1	217.7	161.3	191.5	31.8	327.2	77.4	70.4	2.1	730.6	106.4	109.0	30.6	307.3	246.1								
	DAY																						
	1	233.3	167.0	194.5	16.0	387.7	52.7	69.1	8.9	709.2	103.2	130.8	7.0	322.6	240.1								
	2	1648.8	3307.5	.	.	242.0	19.8	.	.	793.6	77.2	82.3	1.9	687.3	1701.8								
FIRECONC	3	167.7	94.2	.	.	.	.	.	.	.	.	.	.	167.7	94.2								
	4	108.5	14.0	.	.	.	.	.	.	.	.	.	.	108.5	14.0								
	ALL	527.3	1644.3	194.5	16.0	329.4	84.8	69.1	8.9	739.4	100.7	106.6	25.8	401.7	947.8								

CONCENTRATION OF SULFUR DIOXIDE (UG/M3)

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SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC					
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY												
COMMAND	1	144.0	0.0	209.5	24.7	421.0	125.6	86.5	11.5	809.0	135.8	133.5	13.4
	2	850.5	466.0			244.0	9.9			781.5	55.9	104.0	
	3	97.6	2.3										
	4	109.5	12.0										
ALL	1	300.4	383.0	209.5	24.7	350.2	131.6	86.5	11.5	795.3	86.2	123.7	19.5
	2												
	3												
	4												
DRIVER	1	134.0	14.1	190.0	35.4	351.7	42.5	79.8	14.0	712.0	9.9	134.0	
	2	296.5	16.3			225.5	0.7			619.0		106.5	0.7
	3	109.1	18.2										
	4	217.5	164.8										
ALL	1	189.3	101.0	190.0	35.4	301.2	75.4	79.8	14.0	681.0	54.1	115.7	15.9
	2												
	3												
	4												
GUNNER	1												
	2												
	3												
	4												
ALL	1												
	2												
	3												
	4												
LOADER	1	173.0	32.5	189.5	24.7	368.3	65.7	78.3	3.3	801.5	187.4	135.5	10.6
	2	307.5	36.1							737.0		89.4	4.2
	3	103.1	5.5										
	4	99.1	23.8										
ALL	1	170.7	92.4	189.5	24.7	368.3	65.7	78.3	3.3	780.0	137.6	112.5	27.4
	2												
	3												
	4												
ALL	1	150.3	24.1	196.3	24.5	380.3	80.4	80.4	8.5	761.1	100.2	134.1	8.9
	2												
	3												
	4												

(CONTINUED)

CONCENTRATION OF SULFUR DIOXIDE (UG/M3)

SAMPLE TYPE BREATHING ZONE		COMBINATION OF FORT & VEHICLE TYPE													
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL							
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC							
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
ALL	1 DAY														
	2	484.8	352.1		12.1					714.2	80.0	97.4	8.9	368.2	301.7
	3	103.3	10.0											103.3	10.0
	4	142.0	94.9											142.0	94.9
	ALL	220.1	231.9	196.3	24.5	335.5	96.1	80.4	8.5	743.1	92.5	115.8	20.9	291.6	257.4

CONCENTRATION OF RESPIRABLE SUSPENDED PARTICULATES (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
		TOTCONC			TOTCONC			TOTCONC			TOTCONC		
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY													
COMMAND	1	2.0	166.0	2.0	306.0	2.0	160.0	2.0	525.0	2.0	355.0	10.0	525.0
	2	2.0	506.0	2.0	580.0			2.0	1330.0	2.0	208.0	8.0	1330.0
	3	2.0	238.0									2.0	238.0
	4	2.0	269.0									2.0	269.0
	ALL	8.0	506.0	4.0	580.0	2.0	160.0	4.0	1330.0	4.0	355.0	22.0	1330.0
DRIVER	1	2.0	193.0	2.0	323.0	2.0	231.0	2.0	555.0	2.0	355.0	10.0	555.0
	2	2.0	524.0	2.0	630.0			2.0	1360.0	2.0	1870.0	8.0	1870.0
	3	2.0	123.0									2.0	123.0
	4	2.0	245.0									2.0	245.0
	ALL	8.0	524.0	4.0	630.0	2.0	231.0	4.0	1360.0	4.0	1870.0	22.0	1870.0
LOADER	1	2.0	177.0	2.0	319.0	2.0	168.0	2.0	499.0	2.0	990.0	10.0	990.0
	2	2.0	484.0	2.0	1280.0			2.0	1300.0	3.0	508.0	9.0	1300.0
	3	2.0	158.0									2.0	158.0
	4	2.0	335.0									2.0	335.0
	ALL	8.0	484.0	4.0	1280.0	2.0	168.0	4.0	1300.0	5.0	990.0	23.0	1300.0
ALL	1	6.0	193.0	6.0	323.0	6.0	231.0	6.0	555.0	6.0	990.0	30.0	990.0
	2	6.0	524.0	6.0	1280.0			6.0	1360.0	7.0	1870.0	25.0	1870.0
	3	6.0	238.0									6.0	238.0
	4	6.0	335.0									6.0	335.0
	ALL	24.0	193.0	12.0	323.0	12.0	231.0	24.0	555.0	29.0	990.0	86.0	990.0

(CONTINUED)

CONCENTRATION OF RESPIRABLE SUSPENDED PARTICULATES (UG/M3)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE									
		STILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL				
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC				
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
ALL	ALL	24.0	524.0	12.0	1280.0	6.0	231.0	12.0	1360.0	13.0	1870.0

CONCENTRATION OF RESPIRABLE SUSPENDED PARTICULATES (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE																	
		SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60			KNOX-M1			ALL		
		TOTCONC			TOTCONC			TOTCONC			TOTCONC			TOTCONC			TOTCONC		
		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD	
POSITION	DAY																		
COMMAND	1	153.0	18.4	263.0	60.8	145.0	21.2	397.5	180.3	306.0	69.3	252.9	121.4						
	2	491.0	21.2	384.0	277.2			1045.0	403.1	193.0	21.2	528.3	386.1						
	3	184.5	75.7									184.5	75.7						
	4	261.0	11.3									261.0	11.3						
	ALL	272.4	144.6	323.5	178.1	145.0	21.2	721.3	452.5	249.5	77.5	347.5	276.1						
DRIVER	1	166.5	37.5	277.5	64.3	211.5	27.6	405.0	212.1	306.0	69.3	273.3	117.1						
	2	478.0	65.1	465.0	233.3			1144.0	305.5	1020.0	1202.1	776.8	580.4						
	3	118.5	6.4									118.5	6.4						
	4	236.0	12.7									236.0	12.7						
	ALL	249.8	150.6	371.3	176.8	211.5	27.6	774.5	477.6	663.0	808.2	438.9	434.1						
LOADER	1	158.0	26.9	270.5	68.6	149.0	26.9	364.5	190.2	623.5	518.3	313.1	261.3						
	2	465.0	26.9	852.5	604.6			1051.0	352.1	300.3	180.5	626.4	416.7						
	3	137.5	29.0									137.5	29.0						
	4	297.0	53.7									297.0	53.7						
	ALL	264.4	142.7	561.5	486.1	149.0	26.9	707.8	458.8	429.6	338.8	419.0	350.0						
ALL	1	159.2	23.0	270.3	50.5	168.5	38.7	389.0	152.0	411.8	287.3	279.8	175.1						
	2	478.0	34.9	567.2	386.7			1080.0	280.0	475.3	626.5	643.1	458.3						
	3	146.8	47.4									146.8	47.4						
	4	264.7	37.3									264.7	37.3						
	ALL	262.2	139.9	418.8	305.2	168.5	38.7	734.5	420.0	446.0	481.4	402.1	355.8						

CONCENTRATION OF RESPIRABLE SUSPENDED PARTICULATES (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC						
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
POSITION	DAY												
COMMAND	1	2.0	729.0	2.0	1450.0	2.0	203.0	2.0	2920.0	2.0	531.0	10.0	2920.0
	2	2.0	946.0	2.0	957.0			2.0	2670.0	2.0	297.0	8.0	2670.0
	3	2.0	760.0									2.0	760.0
	4	2.0	371.0									2.0	371.0
	ALL	8.0	946.0	4.0	1450.0	2.0	203.0	4.0	2920.0	4.0	531.0	22.0	2920.0
DRIVER	1	2.0	820.0	2.0	1540.0	2.0	293.0	2.0	2750.0	2.0	531.0	10.0	2750.0
	2	2.0	913.0	2.0	1530.0			2.0	3020.0	2.0	2660.0	8.0	3020.0
	3	2.0	398.0									2.0	398.0
	4	2.0	338.0									2.0	338.0
	ALL	8.0	913.0	4.0	1540.0	2.0	293.0	4.0	3020.0	4.0	2660.0	22.0	3020.0
LOADER	1	2.0	741.0	2.0	1470.0	2.0	210.0	2.0	2470.0	2.0	1480.0	10.0	2470.0
	2	2.0	882.0	2.0	2170.0			2.0	2610.0	3.0	724.0	9.0	2610.0
	3	2.0	520.0									2.0	520.0
	4	2.0	488.0									2.0	488.0
	ALL	8.0	882.0	4.0	2170.0	2.0	210.0	4.0	2610.0	5.0	1480.0	23.0	2610.0
ALL	1	6.0	820.0	6.0	1540.0	6.0	293.0	6.0	2920.0	6.0	1480.0	30.0	2920.0
	2	6.0	946.0	6.0	2170.0			6.0	3020.0	7.0	2660.0	25.0	3020.0
	3	6.0	760.0									6.0	760.0
	4	6.0	488.0									6.0	488.0
	ALL	24.0	2920.0	24.0	2920.0	24.0	2920.0	24.0	2920.0	24.0	2920.0	24.0	2920.0

(CONTINUED)

CONCENTRATION OF RESPIRABLE SUSPENDED PARTICULATES (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE									
		STILL-N.109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL				
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
ALL	ALL	24.0	946.0	12.0	12170.0	6.0	293.0	12.0	13020.0	13.0	2660.0
										67.0	3020.0

CONCENTRATION OF RESPIRABLE SUSPENDED PARTICULATES (UG/M3)

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SAMPLE TYPE GENERAL AREA

COMBINATION OF FORT & VEHICLE TYPE														
</														

CONCENTRATION OF TOTAL SUSPENDED PARTICULATES (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE													
		STILL-M109	BENNING-M3	KNOX-M60	CANSON-M60	KNOX-M1									ALL
		TOTCONC	TOTCONC	TOTCONC	TOTCONC	TOTCONC									TOTCONC
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
POSITION DAY															
COMMAND	1	2.0	2050.0	2.0	315.0	2.0	337.0	2.0	2750.0	2.0	463.0	2.0	463.0	10.0	2750.0
	2	2.0	802.0	2.0	1970.0			2.0	1370.0	2.0	550.0	2.0	550.0	8.0	1970.0
	3	2.0	355.0											2.0	355.0
	4	2.0	330.0												330.0
	ALL	8.0	2050.0	4.0	1970.0	2.0	337.0	4.0	2750.0	4.0	550.0	22.0	550.0	22.0	2750.0
DRIVER	1	2.0	526.0	2.0	12400	2.0	561.0	2.0	1210.0	2.0	555.0	10.0	555.0	10.0	12400
	2	2.0	915.0	2.0	1590.0			2.0	3590.0	2.0	581.0	8.0	581.0	8.0	1590.0
	3	2.0	185.0											2.0	185.0
	4	2.0	251.0											2.0	251.0
	ALL	8.0	915.0	4.0	12400	2.0	561.0	4.0	3590.0	4.0	581.0	22.0	581.0	22.0	12400
LOADER	1	2.0	295.0	2.0	714.0	2.0	396.0	2.0	2290.0	2.0	690.0	10.0	690.0	10.0	2290.0
	2	2.0	497.0	2.0	4090.0			2.0	1300.0	3.0	416.0	9.0	416.0	9.0	4090.0
	3	2.0	128.0											2.0	128.0
	4	2.0	302.0											2.0	302.0
	ALL	8.0	497.0	4.0	4090.0	2.0	396.0	4.0	2290.0	5.0	690.0	23.0	690.0	23.0	4090.0
ALL	1	6.0	2050.0	6.0	12400	6.0	561.0	6.0	2750.0	6.0	690.0	30.0	690.0	30.0	12400
	2	6.0	915.0	6.0	4090.0			6.0	3590.0	7.0	81.0	25.0	81.0	25.0	4090.0
	3	6.0	355.0											6.0	355.0
	4	6.0	330.0											6.0	330.0
	ALL	24.0	2050.0	24.0	12400	24.0	561.0	24.0	2750.0	24.0	690.0	118.0	690.0	118.0	12400

(CONTINUED)

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SAMPLE TYPE BREATHING ZONE													
COMBINATION OF TONE & VEHICLE TYPE													
		STILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		TOTCORG		TOTCORG		TOTCORG		TOTCORG		TOTCORG		TOTCORG	
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	
POSITION DAY													
COMMAND													
1		2.0	524.0	2.0	348.0	2.0	174.0	2.0	1390.0	2.0	893.0	10.0	1390.0
2		2.0	834.0	2.0	1170.0	.	.	2.0	1320.0	2.0	601.0	8.0	1320.0
3		2.0	15150.0	.	.	.	.	.	.	.	.	2.0	15150.0
4		2.0	409.0	.	.	.	.	.	.	.	.	2.0	409.0
ALL		8.0	15150.0	4.0	1170.0	2.0	174.0	4.0	1390.0	4.0	893.0	22.0	15150.0
DRIVER													
1		2.0	570.0	2.0	336.0	2.0	3680.0	2.0	913.0	2.0	436.0	10.0	3680.0
2		2.0	724.0	2.0	1320.0	.	.	2.0	1450.0	2.0	266.0	8.0	1450.0
3		2.0	268.0	.	.	.	.	.	.	.	.	2.0	268.0
4		2.0	348.0	.	.	.	.	.	.	.	.	2.0	348.0
ALL		8.0	724.0	4.0	1320.0	2.0	3680.0	4.0	1450.0	4.0	436.0	22.0	3680.0
GUNNER													
1		.	.	.	.	1.0	374.0	2.0	739.0	2.0	1050.0	5.0	1050.0
2		.	.	.	.	.	.	2.0	1870.0	2.0	524.0	4.0	1870.0
ALL		.	.	.	.	1.0	374.0	4.0	1870.0	4.0	1050.0	9.0	1870.0
LOADER													
1		2.0	266.0	2.0	674.0	2.0	625.0	2.0	1160.0	2.0	1040.0	10.0	1160.0
2		2.0	1070.0	2.0	1230.0	.	.	2.0	1380.0	2.0	761.0	8.0	1380.0
3		2.0	267.0	.	.	.	.	.	.	.	.	2.0	267.0
4		2.0	334.0	.	.	.	.	.	.	.	.	2.0	334.0
ALL		8.0	1070.0	4.0	1230.0	2.0	625.0	4.0	1380.0	4.0	1040.0	22.0	1380.0

(CONTINUED)

CONCENTRATION OF TOTAL SUSPENDED PARTICULATES (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC	TOICONC
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
ALL	1 DAY												
	1	6.0	570.0	6.0	674.0	7.0	3680.0	8.0	1390.0	8.0	1050.0	35.0	3680.0
	2	6.0	11070.0	6.0	1320.0			8.0	1870.0	8.0	761.0	28.0	1870.0
	3	6.0	15150.0									6.0	15150.0
	4	6.0	409.0										409.0
	ALL	24.0	15150.0	12.0	1320.0	7.0	3680.0	16.0	1870.0	16.0	1050.0	75.0	15150.0

CONCENTRATION OF TOTAL SUSPENDED PARTICULATES (UG/M3)

7

SAMPLE TYPE GENERAL AREA

COMBINATION OF FORT & VEHICLE TYPE																									
		SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL													
		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC													
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN											
POSITION DAY																									
COMMAND	1	1115.5	1321.6	309.0	8.5	308.5	40.3	1848.0	1275.6	409.0	76.4	798.0	884.9												
	2	638.0	231.9	1259.5	1004.8			11066.0	429.9	362.5	265.2	831.5	574.4												
	3	281.0	104.7									281.0	104.7												
	4	291.5	54.4									291.5	54.4												
	ALL	581.5	625.6	784.3	798.6	308.5	40.3	1457.0	898.8	385.8	161.6	717.1	699.8												
DRIVER																									
		439.0		123.0		6312.0		8609.7		437.0		175.4		796.0		585.5		306.0		69.3		1658.0		3785.0	
		715.0		282.8		1118.0		667.5						2239.0		1910.6		503.0		110.3		1143.8		1054.1	
		149.0		50.9																		149.0		50.9	
		239.0		17.0																		239.0		17.0	
		385.5		260.7		3715.0		5818.1		437.0		175.4		1517.5		1423.1		404.5		136.4		1204.8		2608.5	
LOADER																									
		239.5		78.5		509.0		289.9		365.0		43.8		1488.0		1134.2		522.5		236.9		624.8		615.0	
		475.5		30.4		2369.5		2433.2						1072.5		321.7		336.0		72.7		982.6		1207.6	
		122.5		7.8																		122.5		7.8	
		278.0		33.9																		278.0		33.9	
		278.9		140.2		1439.3		1776.3		365.0		43.8		1280.3		721.7		410.6		164.6		691.0		875.7	
ALL																									
DAY																									
		598.0		722.6		2376.7		4913.5		370.2		100.9		1377.3		938.1		412.5		150.8		1026.9		2240.0	
		609.5		197.2		1582.3		1360.5						1459.2		1073.6		391.3		146.5		985.8		960.6	
		184.2		92.1																		184.2		92.1	
		269.5		38.4																		269.5		38.4	
ALL		415.3		402.7		11979.5		3462.3		370.2		100.9		1418.3		962.2		401.1		142.6		868.3		1622.6	

CONCENTRATION OF TOTAL SUSPENDED PARTICULATES (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORK & VEHICLE TYPE												
		SILL-M109			BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		TOTCONC			TOTCONC		TOTCONC		TOTCONC		TOTCONC		TOTCONC	
		MEAN	STD		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY													
COMMAND	1	443.5	113.8	327.0	29.7	592.5	256.7	1017.0	527.5	851.0	59.4	646.2	335.3	
	2	759.0	106.1	852.5	449.0			11052.0	379.0	537.5	89.8	800.3	302.0	
	3	2664.0	3515.7									2664.0	3515.7	
	4	319.5	126.6									319.5	126.6	
ALL		1046.5	1672.6	589.8	399.4	592.5	256.7	1034.5	375.6	694.3	191.4	856.0	1014.3	
DRIVER	1	454.5	163.3	326.0	14.1	2134.0	2186.4	782.0	185.3	399.0	52.3	819.1	1022.5	
	2	568.5	219.9	1049.5	382.5			11245.0	289.9	223.5	60.1	771.6	473.3	
	3	222.0	65.1									222.0	65.1	
	4	310.0	53.7									310.0	53.7	
ALL		388.8	178.7	687.8	472.6	2134.0	2186.4	1013.5	333.0	311.3	111.3	701.3	753.7	
GUNNER	1					374.0		550.0	267.3	746.5	429.2	593.4	297.7	
	2							11284.0	828.7	506.5	24.7	895.3	656.2	
	3					374.0		917.0	657.5	626.5	284.3	727.6	480.7	
	4													
ALL														
LOADER	1	214.5	72.8	548.5	177.5	515.5	154.9	813.5	490.0	811.5	323.1	580.7	316.1	
	2	872.0	280.0	865.5	515.5			11106.5	386.8	653.5	152.0	874.4	321.2	
	3	229.0	53.7									229.0	53.7	
	4	298.5	50.2									298.5	50.2	
ALL		403.5	312.2	707.0	364.1	515.5	154.9	960.0	398.2	732.5	225.5	629.9	356.6	
ALL		370.8	153.9	400.5	140.2	979.7	1199.5	790.6	347.2	702.0	280.5	669.3	594.4	

(CONTINUED)

CONCENTRATION OF TOTAL SUSPENDED PARTICULATES (UG/M3)

9

SAMPLE TYPE BREATHING ZONE

	COMBINATION OF FORT & VEHICLE TYPE													
	SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
	TOTCONC	MEAN	TOTCONC	MEAN	TOTCONC	MEAN	TOTCONC	MEAN	TOTCONC	MEAN	TOTCONC	MEAN	TOTCONC	MEAN
ALL	DAY													
2	733.2	215.5	922.5	363.9			1171.9	403.1	480.3	183.3	826.8	398.5		
3	1038.3	2014.7									1038.3	2014.7		
4	309.3	66.1									309.3	66.1		
ALL	612.9	994.5	661.5	378.8	979.7	1199.5	981.3	413.3	591.1	256.0	728.9	722.6		

CONCENTRATION OF TOTAL SUSPENDED PARTICULATES (UG/M3)

SAMPLE TYPE GENERAL AREA

COMBINATION OF FORT & VEHICLE TYPE													
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION	DAY												
COMMAND	1	2.0	9000.0	2.0	2070.0	2.0	431.0	2.0	13200	2.0	636.0	10.0	13200
	2	2.0	1500.0	2.0	2960.0	.	.	2.0	2740.0	2.0	783.0	8.0	2960.0
	3	2.0	1100.0	.	.	.	.	.	.	.	.	2.0	1100.0
	4	2.0	456.0	.	.	.	.	.	.	.	.	2.0	456.0
	ALL	8.0	9000.0	4.0	2960.0	2.0	431.0	4.0	13200	4.0	783.0	22.0	13200
DRIVER	DAY												
	1	2.0	2240.0	2.0	55600	2.0	711.0	2.0	5700.0	2.0	531.0	10.0	55600
	2	2.0	1800.0	2.0	3290.0	.	.	2.0	7190.0	2.0	827.0	8.0	7190.0
	3	2.0	600.0	.	.	.	.	.	.	.	.	2.0	600.0
	4	2.0	347.0	.	.	.	.	.	.	.	.	2.0	347.0
ALL	8.0	2240.0	4.0	55600	2.0	711.0	4.0	7190.0	4.0	827.0	22.0	55600	
LOADER	DAY												
	1	2.0	1230.0	2.0	4730.0	2.0	506.0	2.0	11200	2.0	947.0	10.0	11200
	2	2.0	905.0	2.0	6140.0	.	.	2.0	2750.0	3.0	592.0	9.0	6140.0
	3	2.0	399.0	.	.	.	.	.	.	.	.	2.0	399.0
	4	2.0	439.0	.	.	.	.	.	.	.	.	2.0	439.0
ALL	8.0	1230.0	4.0	6140.0	2.0	506.0	4.0	11200	5.0	947.0	23.0	11200	
ALL	DAY												
	1	6.0	9000.0	6.0	55600	6.0	711.0	6.0	13200	6.0	947.0	30.0	55600
	2	6.0	1800.0	6.0	6140.0	.	.	6.0	7190.0	7.0	827.0	25.0	7190.0
	3	6.0	1100.0	.	.	.	.	.	.	.	.	6.0	1100.0
	4	6.0	456.0	.	.	.	.	.	.	.	.	6.0	456.0

(CONTINUED)

SAMPLE TYPE GENERAL AREA									
COMBINATION OF FORT & VEHICLE TYPE									
SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL				
FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC				
# OF VEHs.	# OF VEHs.	# OF VEHs.	# OF VEHs.	# OF VEHs.	# OF VEHs.	# OF VEHs.	# OF VEHs.	# OF VEHs.	# OF VEHs.
24.019000.0	12.0	55600	6.0	711.0	12.0	13200	13.0	947.0	55600
ALL	TALL								

[illegible]

CONCENTRATION OF TOTAL SUSPENDED PARTICULATES (UG/M3)

SAMPLE TYPE BREATHING ZONE		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC
		# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.
POSITION	DAY	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
COMMAND	1	2.0	2080.0	2.0	2310.0	2.0	933.0	2.0	6760.0	2.0	1210.0	10.0	6760.0
	2	2.0	1710.0	2.0	2730.0	2.0	2630.0	2.0	856.0	2.0	856.0	8.0	2730.0
	3	2.0	10600	2.0	10600	2.0	10600	2.0	10600	2.0	10600	2.0	10600
	4	2.0	565.0	2.0	565.0	2.0	565.0	2.0	565.0	2.0	565.0	2.0	565.0
	ALL	8.0	10600	4.0	2730.0	2.0	933.0	4.0	6760.0	4.0	1210.0	22.0	10600
DRIVER	1	2.0	2280.0	2.0	1680.0	2.0	4510.0	2.0	6900.0	2.0	541.0	10.0	6900.0
	2	2.0	1240.0	2.0	3970.0	2.0	3380.0	2.0	379.0	2.0	379.0	8.0	3970.0
	3	2.0	586.0	2.0	586.0	2.0	586.0	2.0	586.0	2.0	586.0	2.0	586.0
	4	2.0	497.0	2.0	497.0	2.0	497.0	2.0	497.0	2.0	497.0	2.0	497.0
	ALL	8.0	2280.0	4.0	3970.0	2.0	4510.0	4.0	6900.0	4.0	541.0	22.0	6900.0
GUNNER	1	2.0	1050.0	2.0	3030.0	2.0	773.0	2.0	4950.0	2.0	1560.0	10.0	4950.0
	2	2.0	2200.0	2.0	2560.0	2.0	2560.0	2.0	2750.0	2.0	1080.0	8.0	2750.0
	3	2.0	586.0	2.0	586.0	2.0	586.0	2.0	586.0	2.0	586.0	2.0	586.0
	4	2.0	462.0	2.0	462.0	2.0	462.0	2.0	462.0	2.0	462.0	2.0	462.0
	ALL	8.0	2200.0	4.0	3030.0	2.0	773.0	4.0	4950.0	4.0	1560.0	22.0	4950.0
LOADER	1	2.0	1050.0	2.0	3030.0	2.0	773.0	2.0	4950.0	2.0	1560.0	10.0	4950.0
	2	2.0	2200.0	2.0	2560.0	2.0	2560.0	2.0	2750.0	2.0	1080.0	8.0	2750.0
	3	2.0	586.0	2.0	586.0	2.0	586.0	2.0	586.0	2.0	586.0	2.0	586.0
	4	2.0	462.0	2.0	462.0	2.0	462.0	2.0	462.0	2.0	462.0	2.0	462.0
	ALL	8.0	2200.0	4.0	3030.0	2.0	773.0	4.0	4950.0	4.0	1560.0	22.0	4950.0

(CONTINUED)

CONCENTRATION OF TOTAL SUSPENDED PARTICULATES (UG/M3)

15

SAMPLE TYPE BREATHING ZONE		COMBINATION OF FORT & VEHICLE TYPE									
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL				
		FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC				
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
DAY											
1		6.0	2280.0	6.0	3030.0	7.0	4510.0	8.0	16900.0	8.0	1580.0
2		6.0	2200.0	6.0	3970.0	.	.	8.0	13750.0	8.0	1080.0
3		6.0	10600	.	.	.	.	.	.	.	.
4		6.0	565.0	.	.	.	.	.	.	.	.
ALL		24.0	10600	12.0	13970.0	7.0	4510.0	16.0	16900.0	16.0	1580.0

CONCENTRATION OF TOTAL SUSPENDED PARTICULATES (UG/M3)

SAMPLE TYPE GENERAL AREA

COMBINATION OF PORT & VEHICLE TYPE																									
		SILL-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL			
		FIRECONC				FIRECONC				FIRECONC				FIRECONC				FIRECONC				FIRECONC			
		MEAN		STD		MEAN		STD		MEAN		STD		MEAN		STD		MEAN		STD		MEAN		STD	
POSITION DAY																									
COMMAND	1	4718.5	6055.0	1715.0	502.0	393.0	53.7	11750	2050.6	583.5	74.2	3832.0	4964.4												
	2	1173.0	462.4	2880.0	113.1			12610.0	183.8	515.5	378.3	11794.6	1078.0												
	3	881.0	309.7																			881.0	309.7		
	4	410.0	65.1																			410.0	65.1		
	ALL	1795.6	2936.3	2297.5	735.3	393.0	53.7	7180.0	5409.2	549.5	226.0	2511.8	3557.3												
DRIVER	DAY																								
	1	1544.0	984.3	28540	38269	558.0	216.4	4910.0	1117.2	442.0	125.9	7198.8	17100												
	2	1348.5	638.5	2840.0	636.4			15040.0	3040.6	714.0	159.8	2485.6	2146.3												
	3	484.5	163.3																			484.5	163.3		
	4	338.0	12.7																			338.0	12.7		
ALL	928.8	717.7	15690	26617	558.0	216.4	4975.0	1871.7	578.0	196.1	4250.8	11618													
	DAY																								
	1	836.5	556.5	3050.0	2375.9	462.0	62.2	9285.0	2708.2	739.0	294.2	2874.5	3722.3												
	2	878.0	38.2	4725.0	2001.1			12680.0	99.0	476.7	104.3	1999.6	1913.5												
	3	391.5	10.6																			391.5	10.6		
ALL	395.0	62.2																				395.0	62.2		
	625.3	326.8	3887.5	2037.6	462.0	62.2	5982.5	4121.9	581.6	218.4	2100.6	2794.0													
	DAY																								
	1	2366.3	3317.8	11102	21838	471.0	127.3	8648.3	3486.8	588.2	198.1	4635.1	10308												
	2	1133.2	412.1	3481.7	1346.2			13443.3	1840.7	555.6	209.2	2089.5	1728.4												
ALL	585.7	280.4																				585.7	280.4		
	381.0	53.0																				381.0	53.0		
	1116.5	1752.1	7291.7	15278	471.0	127.3	6045.8	3802.0	570.6	196.2	2941.7	7103.4													

CONCENTRATION OF TOTAL SUSPENDED PARTICULATES (UG/M3)

19

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE													
		STILL-M109			BENNING-M3			KNOX-M60			CARSON-M60			KNOX-M1	
		FIRECONC			FIRECONC			FIRECONC			FIRECONC			FIRECONC	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY															
COMMAND	1	1478.0	851.4	1845.0	657.6	721.5	299.1	6450.0	438.4	1155.0	77.8	2329.9	2242.3		
	2	1450.0	367.7	2240.0	693.0			2590.0	56.6	763.0	131.5	1760.8	815.5		
	3	15490.0	7226.6									15490.0	7226.6		
	4	447.0	166.9									447.0	166.9		
	ALL	12216.3	3444.9	2042.5	596.8	721.5	299.1	4520.0	2243.1	959.0	242.9	2239.0	2503.6		
DRIVER															
GUNNER	1	1549.0	1033.8	1550.0	183.8	12620.0	2672.9	5530.0	1937.5	539.0	2.8	2357.6	2147.2		
	2	1044.0	277.2	2975.0	1407.1			3140.0	339.4	317.0	87.7	1869.0	1416.0		
	3	476.5	154.9									476.5	154.9		
	4	436.5	85.6									436.5	85.6		
	ALL	876.5	637.5	2262.5	1161.1	12620.0	2672.9	4335.0	1787.1	428.0	137.8	1834.3	1771.5		
LOADER															
GUNNER	1					464.0		3575.0	247.5	1062.5	731.9	1947.8	1554.2		
	2							3010.0	1046.5	718.5	31.8	1864.3	1454.6		
	3					464.0		3292.5	701.3	890.5	467.2	1910.7	1415.3		
	4														
	ALL														
LOADER															
GUNNER	1	721.5	464.6	2575.0	643.5	638.5	190.2	4925.0	35.4	1139.0	595.4	1999.8	1740.2		
	2	1685.0	728.3	2205.0	502.0			2730.0	28.3	925.5	218.5	1886.4	791.5		
	3	487.0	140.0									487.0	140.0		
	4	419.0	60.8									419.0	60.8		
	ALL	828.1	635.6	2390.0	517.4	638.5	190.2	3827.5	1267.6	1032.3	386.4	1677.3	1363.7		
ALL															
DAY	1	1249.5	755.1	1990.0	631.5	1203.4	1468.1	5120.0	1348.7	973.9	448.8	2188.9	1915.8		

(CONTINUED)

CONCENTRATION OF TOTAL SUSPENDED PARTICULATES (UG/M3)

SAMPLE TYPE BREATHING ZONE

	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1					ALL		
	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC	FIRECONC
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
1 DAY												
2	1393.0	482.3	2473.3	832.9			2867.5	477.4	681.0	260.4	1842.4	1045.3
3	2151.2	4140.3									2151.2	4140.3
4	434.2	89.1									434.2	89.1
ALL	1307.0	2071.3	2231.7	748.5	1203.4	1468.1	3993.8	1519.3	827.4	385.4	1916.1	11861.1

CONCENTRATION (FIRCONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA

	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL
	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY												
COMMANDER												
1	2.0	18.0	2.0	58.2	2.0	6.7	2.0	287.0	2.0	16.8	10.0	287.0
2	2.0	14.9	3.0	115.0			3.0	240.0	3.0	7.3	11.0	240.0
3	2.0	3.4									2.0	3.4
4	2.0	5.0									2.0	5.0
ALL	8.0	18.0	5.0	115.0	2.0	6.7	5.0	287.0	5.0	16.8	25.0	287.0
DRIVER												
1	2.0	11.3	2.0	123.0	2.0	0.6	2.0	160.0	2.0	1.6	10.0	160.0
2	2.0	18.7	3.0	129.0			3.0	273.0	2.0	2.0	10.0	273.0
3	2.0	1.0									2.0	1.0
4	2.0	2.9									2.0	2.9
ALL	8.0	18.7	5.0	129.0	2.0	0.6	5.0	273.0	4.0	2.0	24.0	273.0
LOADER												
1	2.0	6.4	2.0	169.0	2.0	21.0	2.0	288.0	2.0	63.7	10.0	288.0
2	1.0	10.6	3.0	648.0			3.0	213.0	3.0	14.3	10.0	648.0
3	2.0	1.1									2.0	1.1
4	2.0	4.6									2.0	4.6
ALL	7.0	10.6	5.0	648.0	2.0	21.0	5.0	288.0	5.0	63.7	24.0	648.0
ALL												
1	6.0	18.0	6.0	160.0	6.0	21.0	6.0	288.0	6.0	63.7	30.0	288.0
2	5.0	18.7	9.0	648.0			9.0	273.0	8.0	14.3	31.0	648.0
3	6.0	3.4									6.0	3.4
4	6.0	5.0									6.0	5.0

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA

COMBINATION OF FORT & VEHICLE TYPE									
STILL-MT09	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL				
AL	AL	AL	AL	AL	AL				
# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
23.0	18.7	15.0	648.0	6.0	21.0	15.0	288.0	14.0	63.7
ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

3

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF TIRE & VEHICLE TYPE											
		SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
		AL			AL			AL			AL		
		# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX
POSITION DAY													
COMMANDER	1	2.0	42.4	1.0	4.7	2.0	4.5	2.0	209.0	2.0	8.7	9.0	209.0
	2	2.0	71.2	2.0	157.0	.	.	2.0	368.0	2.0	13.0	8.0	368.0
	3	2.0	1.1	.	.	.	.	.	.	.	.	2.0	1.1
	4	2.0	1.6	.	.	.	.	.	.	.	.	2.0	1.6
	ALL	8.0	71.2	3.0	157.0	2.0	4.5	4.0	368.0	4.0	13.0	21.0	368.0
DRIVER	1	2.0	10.6	2.0	143.0	2.0	0.6	2.0	203.0	2.0	10.1	10.0	203.0
	2	2.0	2.7	2.0	153.0	.	.	2.0	143.0	2.0	1.2	8.0	153.0
	3	2.0	5.5	.	.	.	.	.	.	.	.	2.0	5.5
	4	2.0	24.4	.	.	.	.	.	.	.	.	2.0	24.4
	ALL	8.0	24.4	4.0	153.0	2.0	0.6	4.0	203.0	4.0	10.1	22.0	203.0
GUNNER	1	.	.	.	.	2.0	3.4	2.0	242.0	2.0	6.7	6.0	242.0
	2	.	.	.	.	.	.	2.0	131.0	2.0	26.0	4.0	131.0
	ALL	.	.	.	.	2.0	3.4	4.0	242.0	4.0	26.0	10.0	242.0
LOADER	1	2.0	54.4	2.0	31.4	2.0	25.9	2.0	365.0	2.0	12.2	10.0	365.0
	2	1.0	23.1	3.0	147.0	.	.	2.0	120.0	2.0	35.9	8.0	147.0
	3	2.0	443.0	.	.	.	.	.	.	.	.	2.0	443.0
	4	2.0	31.0	.	.	.	.	.	.	.	.	2.0	31.0
	ALL	7.0	443.0	5.0	147.0	2.0	25.9	4.0	365.0	4.0	35.9	22.0	443.0

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE													

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

5

ALL

COMBINATION OF FORT & VEHICLE TYPE													
		SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL
POSITION	DAY	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
COMMANDER	1	4.0	42.4	3.0	58.2	4.0	6.7	4.0	287.0	4.0	16.8	19.0	287.0
	2	4.0	71.2	5.0	157.0	.	.	5.0	368.0	5.0	13.0	19.0	368.0
	3	4.0	3.4	.	.	.	.	.	.	.	.	4.0	3.4
	4	4.0	5.0	.	.	.	.	.	.	.	.	4.0	5.0
	ALL	16.0	71.2	8.0	157.0	4.0	6.7	9.0	368.0	9.0	16.8	46.0	368.0
DRIVER	1	4.0	11.3	4.0	143.0	4.0	0.6	4.0	203.0	4.0	10.1	20.0	203.0
	2	4.0	18.7	5.0	153.0	.	.	5.0	273.0	4.0	2.0	18.0	273.0
	3	4.0	5.5	.	.	.	.	.	.	.	.	4.0	5.5
	4	4.0	24.4	.	.	.	.	.	.	.	.	4.0	24.4
	ALL	16.0	24.4	9.0	153.0	4.0	0.6	9.0	273.0	8.0	10.1	46.0	273.0
GUNNER	1	.	.	.	.	2.0	3.4	2.0	242.0	2.0	6.7	6.0	242.0
	2	.	.	.	.	.	.	2.0	131.0	2.0	26.0	4.0	131.0
	3	.	.	.	.	2.0	3.4	4.0	242.0	4.0	26.0	10.0	242.0
	4	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	4.0	54.4	4.0	169.0	4.0	25.9	4.0	365.0	4.0	63.7	20.0	365.0
LOADER	1	2.0	23.1	6.0	648.0	.	.	5.0	213.0	5.0	35.9	18.0	648.0
	2	4.0	443.0	.	.	.	.	.	.	.	.	4.0	443.0
	3	4.0	31.0	.	.	.	.	.	.	.	.	4.0	31.0
	4	14.0	443.0	10.0	648.0	4.0	25.9	9.0	365.0	9.0	63.7	46.0	648.0
	ALL	14.0	443.0	10.0	648.0	4.0	25.9	9.0	365.0	9.0	63.7	46.0	648.0

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	AL	AL	AL	AL	AL	AL
	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.
	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
ALL	DAY											
1	12.0	54.4	11.0	169.0	14.0	25.9	14.0	365.0	14.0	63.7	65.0	365.0
2	10.0	71.2	16.0	648.0	.	.	17.0	368.0	16.0	35.9	59.0	648.0
3	12.0	443.0	.	.	.	.	.	.	.	.	12.0	443.0
4	12.0	31.0	.	.	.	.	.	.	.	.	12.0	31.0
ALL	46.0	443.0	27.0	648.0	14.0	25.9	31.0	368.0	30.0	63.7	148.0	648.0

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE													
		SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
		AL		AL		AL		AL		AL		AL		AL	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION/DAY															
COMMANDER	1	12.2	8.2	50.3	11.1	3.6	4.3	285.5	2.1	9.2	10.8	72.2	113.9		
	2	8.7	8.7	77.0	43.5			206.3	38.1	3.5	3.3	79.8	90.8		
	3	2.3	1.5									2.3	1.5		
	4	3.4	2.3												
	ALL	6.7	6.3	66.3	34.5	3.6	4.3	238.0	51.1	5.8	6.6	64.4	95.2		
DRIVER															
1	1	6.5	6.8	85.5	53.0	0.5	0.1	160.0	0.0	1.3	0.4	50.8	69.1		
	2	14.7	5.6	103.4	22.3			213.7	53.5	1.4	0.9	98.3	94.0		
	3	1.0	0.0									1.0	0.0		
	4	2.1	1.2									2.1	1.2		
	ALL	6.1	6.7	96.2	32.3	0.5	0.1	192.2	47.9	1.3	0.6	62.4	81.2		
LOADER															
1	1	3.7	3.8	107.6	86.8	10.7	14.5	286.0	2.8	32.3	44.4	88.1	116.1		
	2	10.6		392.3	262.8			150.6	57.4	7.2	6.8	166.1	210.5		
	3	1.1	0.0									1.1	0.0		
	4	2.9	2.5									2.9	2.5		
	ALL	3.7	3.7	278.4	246.4	10.7	14.5	204.8	84.6	17.3	26.5	106.2	161.9		
ALL															
1	1	7.5	6.4	81.2	52.5	5.0	8.2	243.8	65.0	14.3	25.0	70.3	99.7		
	2	11.5	6.0	190.9	202.0			190.2	52.9	4.4	4.8	113.6	141.8		
	3	1.5	0.9									1.5	0.9		
	4	2.8	1.7									2.8	1.7		
	ALL	5.6	5.7	147.0	165.5	5.0	8.2	211.7	62.0	8.6	16.7	77.5	117.9		

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORI & VEHICLE TYPE											
		SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
		ALL			AL			AL			AL		
		MEAN	STD	ALL	MEAN	STD	ALL	MEAN	STD	ALL	MEAN	STD	ALL
POSITION	DAY												
COMMANDER	1	27.1	21.6	4.7	2.5	2.8	143.1	93.1	5.1	5.0	40.0	68.3	
	2	39.0	45.5	119.7	52.8		204.7	230.9	7.8	7.4	92.8	122.5	
	3	1.1	0.0								1.1	0.0	
	4	1.3	0.5								1.3	0.5	
ALL	1	17.1	25.9	81.4	76.2	2.5	2.8	173.9	148.1	6.4	5.4	52.7	91.4
	2	2.6	0.1	126.5	37.5			141.0	2.8	1.1	0.1	67.8	72.1
	3	3.6	2.7								3.6	2.7	
	4	13.7	15.1								13.7	15.1	
ALL	1	6.4	7.9	114.1	42.5	0.6	0.1	168.5	32.3	3.3	4.5	54.4	72.4
GUNNER	1					2.3	1.5	240.5	2.1	4.2	3.6	82.3	122.5
	2							78.2	74.6	13.6	17.5	45.9	57.9
	3					2.3	1.5	159.4	103.1	8.9	11.7	67.8	99.0
	4												
ALL	1	32.8	30.5	22.3	12.8	14.6	15.9	208.2	221.7	11.9	0.4	58.0	109.3
	2	23.1		109.1	34.3			107.7	17.3	23.4	17.7	76.6	48.7
	3	222.1	312.4									222.1	312.4
	4	16.4	20.7									16.4	20.7
ALL	1	80.8	160.8	74.4	53.7	14.6	15.9	158.0	140.9	17.7	12.2	75.9	114.5
ALL	1	21.9	21.2	50.6	55.9	5.0	8.6	197.0	98.4	6.7	4.7	58.7	92.2

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
	AL	AL	AL	AL	AL	AL						
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
ALL	DAY											
2	21.3	29.2	117.1	34.0			132.9	104.8	11.5	13.1	74.3	80.4
3	75.6	180.0									75.6	180.0
4	10.5	13.5									10.5	13.5
ALL	32.8	91.4	89.4	54.2	5.0	8.6	165.0	103.6	9.1	9.9	62.0	93.6

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

10

ALL		COMBINATION OF FORT & VEHICLE TYPE																					
		SILL-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL	
		AL		AL	AL	AL		AL	AL	AL		AL	AL	AL		AL	AL	AL		AL			
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD				
POSITION DAY																							
COMMANDER	1	19.7	15.9	35.1	27.5	3.1	3.0	214.3	98.2	7.2	7.2	57.0	94.0										
	2	23.9	32.0	94.1	46.8			205.7	118.5	5.2	5.0	85.3	102.2										
	3	1.7	1.1																				
	4	2.3	1.8																				
	ALL	11.9	19.0	72.0	49.0	3.1	3.0	209.5	103.3	6.1	5.8	59.1	92.7										
DRIVER	1	6.1	5.6	93.7	46.4	0.5	0.1	178.0	21.6	3.4	4.5	56.4	74.9										
	2	8.7	7.7	112.6	27.6			184.6	54.9	1.2	0.5	84.8	84.0										
	3	2.3	2.1																				
	4	7.9	11.0																				
	ALL	6.3	7.1	104.2	35.9	0.5	0.1	181.7	41.2	2.3	3.2	58.6	76.4										
GUNNER	1					2.3	1.5	240.5	2.1	4.2	3.6	82.3	122.5										
	2							78.2	74.6	13.6	17.5	45.9	57.9										
	3					2.3	1.5	159.4	103.1	8.9	11.7	67.8	99.0										
	4																						
	ALL																						
LOADER	1	18.3	24.5	65.0	70.6	12.7	12.6	247.1	135.6	22.1	28.2	73.0	110.8										
	2	16.8	8.8	250.7	228.4			133.5	47.7	13.7	13.4	126.3	162.9										
	3	111.6	220.9																				
	4	9.6	14.3																				
	ALL	42.3	116.4	176.4	199.6	12.7	12.6	184.0	107.8	17.5	20.2	91.7	140.5										
ALL	DAY																						
	1	14.7	16.7	67.3	53.7	5.0	8.1	217.1	86.1	9.9	16.4	64.1	95.2										

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

11

ALL	COMBINATION OF FORT & VEHICLE TYPE													
	SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
	AL	STD	AL	STD	AL	STD	AL	STD	AL	STD	AL	STD		
DAY	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD		
1	16.4	20.5	158.6	153.8	.	.	163.3	84.1	7.9	10.2	95.0	117.5		
2	38.5	127.4	.	.	.	.	.	.	.	.	38.5	127.4		
3	6.6	10.0	.	.	.	.	.	.	.	.	6.6	10.0		
4	19.2	65.5	121.4	129.8	5.0	8.1	187.6	87.9	8.9	13.2	69.7	106.2		
ALL														

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA

COMBINATION OF FORT & VEHICLE TYPE												
SILL-M109 BENNING-M3 KNOX-M60 CARSON-M60 KNOX-M1 ALL												
CA CA CA CA CA CA CA												
POSITION	DAY	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.
COMMANDER	1	2.0	261.0	2.0	123.0	2.0	21.0	2.0	688.0	2.0	18.0	10.0
	2	2.0	40.9	3.0	239.0	.	.	3.0	540.0	3.0	44.7	11.0
	3	2.0	173.0	.	.	.	.	.	.	.	.	2.0
	4	2.0	1.0	.	.	.	.	.	.	.	.	2.0
ALL		8.0	261.0	5.0	239.0	2.0	21.0	5.0	688.0	5.0	44.7	25.0
DRIVER	DAY											
	1	2.0	147.0	2.0	158.0	2.0	17.3	2.0	680.0	2.0	9.5	10.0
	2	2.0	33.8	3.0	342.0	.	.	3.0	867.0	2.0	24.6	10.0
	3	2.0	1.0	.	.	.	.	.	.	.	.	2.0
	4	2.0	22.4	.	.	.	.	.	.	.	.	2.0
ALL		8.0	147.0	5.0	342.0	2.0	17.3	5.0	867.0	4.0	24.6	24.0
LOADER	DAY											
	1	2.0	40.3	2.0	50.6	2.0	25.3	2.0	1140.0	2.0	54.7	10.0
	2	1.0	21.1	3.0	207.0	.	.	3.0	1710.0	3.0	34.8	10.0
	3	2.0	76.4	.	.	.	.	.	.	.	.	2.0
	4	2.0	14.3	.	.	.	.	.	.	.	.	2.0
ALL		7.0	76.4	5.0	207.0	2.0	25.3	5.0	1710.0	5.0	54.7	24.0
ALL	DAY											
	1	6.0	261.0	6.0	158.0	6.0	25.3	6.0	1140.0	6.0	54.7	30.0
	2	5.0	40.9	9.0	342.0	.	.	9.0	1710.0	8.0	44.7	31.0
	3	6.0	173.0	.	.	.	.	.	.	.	.	6.0
	4	6.0	22.4	.	.	.	.	.	.	.	.	6.0

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

13

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE									
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	CA	CA	CA	CA
# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.
MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
23.0	261.0	15.0	342.0	6.0	29.3	15.0	1710.0	14.0	54.7	73.0	1710.0
ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE													
	COMBINATION OF FORT & VEHICLE TYPE												
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL							
	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA
	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.
POSITION	DAY												
COMMANDER	1	2.0	70.6	1.0	51.4	2.0	23.0	2.0	429.0	2.0	27.7	9.0	429.0
	2	2.0	117.0	2.0	93.1	.	.	2.0	1590.0	2.0	31.6	8.0	1590.0
	3	2.0	26.4	.	.	.	.	.	.	.	.	2.0	26.4
	4	2.0	1.0	.	.	.	.	.	.	.	.	2.0	1.0
	ALL	8.0	117.0	3.0	93.1	2.0	23.0	4.0	1590.0	4.0	31.6	21.0	1590.0
DRIVER	1	2.0	70.6	2.0	111.0	2.0	21.1	2.0	610.0	2.0	54.7	10.0	610.0
	2	2.0	2.7	2.0	71.3	.	.	2.0	672.0	2.0	41.6	8.0	672.0
	3	2.0	1.8	.	.	.	.	.	.	.	.	2.0	1.8
	4	2.0	38.8	.	.	.	.	.	.	.	.	2.0	38.8
	ALL	8.0	70.6	4.0	111.0	2.0	21.1	4.0	672.0	4.0	54.7	22.0	672.0
GUNNER	1	.	.	.	.	2.0	67.7	2.0	996.0	2.0	46.7	6.0	996.0
	2	.	.	.	.	.	.	2.0	908.0	2.0	42.5	4.0	908.0
	3	.	.	.	.	.	.	.	.	.	.	.	.
	4	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	4.0	70.6	4.0	111.0	2.0	21.1	4.0	672.0	4.0	46.7	10.0	996.0
LOADER	1	2.0	153.0	2.0	217.0	2.0	36.4	2.0	703.0	2.0	53.1	10.0	703.0
	2	1.0	63.2	3.0	204.0	.	.	2.0	444.0	2.0	61.4	8.0	444.0
	3	2.0	33.0	.	.	.	.	.	.	.	.	2.0	33.0
	4	2.0	1.7	.	.	.	.	.	.	.	.	2.0	1.7
	ALL	7.0	153.0	5.0	217.0	2.0	36.4	4.0	703.0	4.0	61.4	22.0	703.0

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

15

SAMPLE TYPE BREATHING ZONE

	COMBINATION OF FORT & VEHICLE TYPE											
	STILL-M109	BLNNG-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	CA	CA	CA	CA	CA	CA
	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
DAY	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
ALL	6.0	5.0	8.0	67.7	8.0	996.0	8.0	54.7	35.0	996.0	996.0	996.0
1	5.0	7.0	204.0	.	8.0	1590.0	8.0	61.4	28.0	1590.0	1590.0	1590.0
2	6.0	33.0	.	.	.	.	.	.	6.0	33.0	33.0	33.0
3	6.0	38.8	.	.	.	.	.	.	6.0	38.8	38.8	38.8
4	23.0	153.0	12.0	217.0	8.0	67.7	16.0	1590.0	16.0	61.4	75.0	1590.0

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE											
	STILL-M109	BLNNG-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	CA	CA	CA	CA	CA	CA
	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY												
COMMANDER												
1	4.0	261.0	3.0	123.0	4.0	688.0	4.0	27.7	19.0	688.0		
2	4.0	117.0	5.0	239.0			5.0	44.7	19.0	1590.0		
3	4.0	173.0							4.0	173.0		
4	4.0	1.0							4.0	1.0		
ALL	16.0	261.0	8.0	239.0	4.0	23.0	9.0	44.7	46.0	1590.0		
DRIVER												
DAY												
1	4.0	147.0	4.0	158.0	4.0	21.1	4.0	680.0	4.0	54.7	20.0	680.0
2	4.0	33.8	5.0	342.0			5.0	867.0	4.0	41.6	18.0	867.0
3	4.0	1.8								4.0	1.8	
4	4.0	38.8								4.0	38.8	
ALL	16.0	147.0	9.0	342.0	4.0	21.1	9.0	867.0	8.0	54.7	46.0	867.0
GUNNER												
DAY												
1					2.0	67.7	2.0	996.0	2.0	46.7	6.0	996.0
2							2.0	908.0	2.0	42.5	4.0	908.0
ALL					2.0	67.7	4.0	996.0	4.0	46.7	10.0	996.0
LOADER												
DAY												
1	4.0	153.0	4.0	217.0	4.0	36.4	4.0	1140.0	4.0	54.7	20.0	1140.0
2	2.0	67.2	6.0	207.0			5.0	1710.0	5.0	61.4	18.0	1710.0
3	4.0	16.4								4.0	16.4	
4	4.0	14.3								4.0	14.3	
ALL	14.0	153.0	10.0	217.0	4.0	36.4	9.0	1710.0	9.0	61.4	46.0	1710.0

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	CA	CA	CA	CA	CA	CA
	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
1 DAY												
1	12.0	261.0	11.0	217.0	14.0	67.7	14.0	1140.0	14.0	54.7	65.0	1140.0
2	10.0	117.0	16.0	342.0	.	.	17.0	1710.0	16.0	61.4	59.0	1710.0
3	12.0	173.0	.	.	.	.	.	.	.	.	12.0	173.0
4	12.0	38.8	.	.	.	.	.	.	.	.	12.0	38.8
ALL	46.0	261.0	27.0	342.0	14.0	67.7	31.0	1710.0	30.0	61.4	148.0	1710.0

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE																	
		SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60			KNOX-M1			ALL		
		CA			CA			CA			CA			CA			CA		
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY																			
COMMANDER	1	147.5	160.4	100.8	31.4	18.2	3.9	605.0	117.4	14.1	5.5	177.1	241.2						
	2	24.7	22.9	157.2	126.4			383.7	138.4	21.7	22.0	157.9	177.7						
	3	87.1	121.5																
	4	1.0	0.1																
	ALL	65.1	97.9	134.6	95.9	18.2	3.9	472.2	166.5	18.7	16.3	147.4	195.2						
DRIVER	1	90.6	79.7	151.0	9.9	15.1	3.0	511.5	238.3	5.3	6.1	154.7	213.4						
	2	19.8	19.8	195.5	168.5			652.0	214.0	12.7	16.9	260.7	309.2						
	3	1.0	0.0																
	4	11.7	15.2																
	ALL	30.8	49.1	177.7	121.7	15.1	3.0	595.8	207.4	9.0	11.2	174.2	252.1						
LOADER	1	31.2	12.8	27.5	32.7	19.7	7.9	784.5	502.8	38.2	23.3	180.2	360.2						
	2	21.1		145.8	90.9			1285.7	466.0	25.6	8.4	439.2	627.7						
	3	47.9	40.3																
	4	7.7	9.3																
	ALL	27.8	24.4	98.5	92.7	19.7	7.9	1085.2	497.1	30.7	14.8	262.7	480.9						
ALL	1	89.8	95.7	93.1	59.3	17.7	4.7	633.7	283.0	19.2	18.8	170.7	269.4						
	2	22.0	15.3	166.2	116.9			773.8	481.1	20.9	15.1	281.8	414.1						
	3	45.3	69.0																
	4	6.8	9.3																
	ALL	41.8	65.4	136.9	102.2	17.7	4.7	717.7	407.3	20.2	16.1	194.1	330.6						

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

19

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		CA		CA		CA		CA		CA		CA	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY												
COMMANDER	1	50.5	28.4	51.4		18.5	6.4	224.1	289.7	18.4	13.2	74.9	134.2
	2	72.1	63.5	90.7	3.4			886.5	994.9	25.1	9.1	268.6	536.7
	3	21.3	7.1									21.3	7.1
	4	1.0	0.0										0.0
	ALL	36.2	39.3	77.6	22.8	18.5	6.4	555.3	710.0	21.8	10.1	136.6	346.2
DRIVER	1	51.4	27.2	103.0	11.2	17.3	5.4	427.0	258.8	38.7	22.6	127.5	182.8
	2	2.6	0.1	68.4	4.0			544.5	180.3	29.9	16.5	161.4	247.4
	3	1.4	0.6									1.4	0.6
	4	36.5	3.2									36.5	3.2
	ALL	23.0	25.3	85.7	21.1	17.3	5.4	485.7	194.3	34.3	16.9	120.1	193.4
GUNNER	1					42.7	35.4	871.5	176.1	32.5	20.0	315.6	438.2
	2							656.5	355.7	36.6	8.3	346.5	412.7
	ALL					42.7	35.4	764.0	260.6	34.6	12.7	328.0	404.6
	DAY												
	LOADER												
LOADER	1	91.8	86.5	204.5	17.7	25.2	15.8	420.0	400.2	30.3	32.2	154.4	207.5
	2	63.2		124.5	81.4			406.0	53.7	42.2	27.1	166.6	159.7
	3	32.6	0.5									32.6	0.5
	4	1.5	0.4									1.5	0.4
	ALL	45.0	52.1	156.5	72.9	25.2	15.8	413.0	233.3	36.3	25.3	133.9	173.8
ALL	DAY												
	1	64.6	47.4	133.3	69.1	25.9	18.5	485.7	336.4	30.0	19.1	153.9	243.3

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

	COMBINATION OF FORT & VEHICLE TYPE													
	SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
1 DAY														
2	42.5	48.5	98.8	53.6			623.4	447.1	33.5	14.6	220.0	347.9		
3	18.5	14.5									18.5	14.5		
4	13.0	18.3									13.0	18.3		
ALL	34.3	39.0	113.2	60.2	25.9	18.5	554.5	388.8	31.7	16.5	156.5	275.9		

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

21

ALL	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL					
	CA		CA		CA		CA		CA		CA		CA			
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD		
POSITION	DAY															
COMMANDER	1	99.0	109.5	84.3	36.1	18.4	4.3	414.6	284.5	16.2	8.6	128.7	199.6			
	2	48.4	47.6	130.6	96.5			584.8	577.0	23.1	16.3	204.5	364.3			
	3	54.2	79.9									54.2	79.9			
	4	1.0	0.0									1.0	0.0			
	ALL	50.7	73.6	113.2	79.2	18.4	4.3	509.1	452.6	20.0	13.2	142.4	271.4			
DRIVER	DAY															
1	71.0	53.6	127.0	29.0	16.2	3.8	469.2	208.9	22.0	23.6	141.1	193.9				
2	11.2	15.1	144.7	138.0			609.0	185.7	21.3	16.9	216.6	280.0				
3	1.2	0.4									1.2	0.4				
4	24.1	16.9									24.1	16.9				
ALL	26.9	38.0	136.8	99.6	16.2	3.8	546.9	197.6	21.6	19.0	148.3	225.1				
GUNNER	DAY															
1					42.7	35.4	871.5	176.1	32.5	20.0	315.6	438.2				
2							656.5	355.7	36.6	8.3	346.5	412.7				
ALL					42.7	35.4	764.0	260.6	34.6	12.7	328.0	404.6				
LOADER	DAY															
1	61.5	61.4	116.0	104.4	22.4	10.7	602.2	426.5	34.3	23.4	167.3	286.4				
2	42.1	29.8	135.1	78.0			933.8	584.3	32.3	17.4	318.1	488.4				
3	40.3	24.9									40.3	24.9				
4	4.6	6.5									4.6	6.5				
ALL	36.4	40.1	127.5	84.4	22.4	10.7	786.4	519.1	33.2	18.9	201.1	369.5				
ALL	DAY															
1	77.2	73.2	111.4	64.1	22.4	14.5	549.1	312.3	25.4	19.1	161.7	253.8				

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE													
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	CA	CA	CA	CA	CA	CA	CA	CA
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
DAY														
2	32.3	35.6	136.7	98.1			703.0	457.3	27.2	15.8	252.5	382.1		
3	31.9	49.6									31.9	49.6		
4	9.9	14.2									9.9	14.2		
ALL	38.1	53.4	126.4	85.4	22.4	14.5	633.5	399.8	26.3	17.1	175.0	303.7		

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION	DAY												
COMMANDER	1	2.0	2.2	2.0	22.0	2.0	1.9	2.0	22.3	2.0	3.2	10.0	22.3
	2	2.0	7.6	3.0	11.2			3.0	22.1	3.0	3.0	11.0	22.1
	3	2.0	3.7									2.0	3.7
	4	2.0	2.8									2.0	2.8
	ALL	8.0	7.6	5.0	22.0	2.0	1.9	5.0	22.3	5.0	3.2	25.0	22.3
DRIVER	DAY												
	1	2.0	2.1	2.0	17.4	2.0	1.2	2.0	14.0	2.0	4.2	10.0	17.4
	2	2.0	2.7	3.0	16.6			3.0	19.6	2.0	2.6	10.0	19.6
	3	2.0	17.0									2.0	17.0
	4	2.0	3.0									2.0	3.0
	ALL	8.0	17.0	5.0	17.4	2.0	1.2	5.0	19.6	4.0	4.2	24.0	19.6
LOADER	DAY												
	1	2.0	3.0	2.0	19.9	2.0	2.3	2.0	23.5	2.0	5.3	10.0	23.5
	2	1.0	2.4	3.0	10.9			3.0	29.3	3.0	3.2	10.0	29.3
	3	2.0	4.4									2.0	4.4
	4	2.0	2.5									2.0	2.5
	ALL	7.0	4.4	5.0	19.9	2.0	2.3	5.0	29.3	5.0	5.3	24.0	29.3
ALL	DAY												
	1	6.0	3.0	6.0	22.0	6.0	2.3	6.0	23.5	6.0	5.3	30.0	23.5
	2	5.0	7.6	9.0	16.6			9.0	29.3	8.0	3.2	31.0	29.3
	3	6.0	17.0									6.0	17.0
	4	6.0	3.0									6.0	3.0

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE									
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL				
		CR	CR	CR	CR	CR	CR				
		# OF	# OF	# OF	# OF	# OF	# OF				
		VEHS.	VEHS.	VEHS.	VEHS.	VEHS.	VEHS.				
		MAX	MAX	MAX	MAX	MAX	MAX				
		23.01	17.01	15.01	22.01	6.01	2.31	15.01	29.31	14.01	5.31
		73.01	29.31	14.01	5.31	73.01	29.31				
		ALL	ALL	ALL	ALL	ALL	ALL				

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

25

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	CR	CR	CR	CR	CR	CR
POSITION	DAY	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
COMMANDER	1	2.0	2.1	1.0	21.8	2.0	3.1	2.0	10.2	2.0	4.2	9.0	21.8
	2	2.0	3.4	2.0	13.6	.	.	2.0	30.5	2.0	2.8	8.0	30.5
	3	2.0	2.7	.	.	.	.	.	.	.	.	2.0	2.7
	4	2.0	4.8	.	.	.	.	.	.	.	.	2.0	4.8
	ALL	8.0	4.8	3.0	21.8	2.0	3.1	4.0	30.5	4.0	4.2	21.0	30.5
DRIVER	1	2.0	2.8	2.0	17.4	2.0	2.4	2.0	11.1	2.0	3.2	10.0	17.4
	2	2.0	4.2	2.0	11.4	.	.	2.0	24.2	2.0	2.3	8.0	24.2
	3	2.0	4.3	.	.	.	.	.	.	.	.	2.0	4.3
	4	2.0	4.3	.	.	.	.	.	.	.	.	2.0	4.3
	ALL	8.0	4.3	4.0	17.4	2.0	2.4	4.0	24.2	4.0	3.2	22.0	24.2
GUNNER	1	.	.	.	.	2.0	2.9	2.0	7.5	2.0	4.2	6.0	7.5
	2	.	.	.	.	.	.	2.0	31.1	2.0	3.5	4.0	31.1
	3	.	.	.	.	2.0	2.9	4.0	31.1	4.0	4.2	10.0	31.1
	4	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	.	.	.	.	2.0	2.9	4.0	31.1	4.0	4.2	10.0	31.1
LOADER	1	2.0	7.1	2.0	16.4	2.0	3.3	2.0	28.2	2.0	6.4	10.0	28.2
	2	1.0	2.7	3.0	10.8	.	.	2.0	23.4	2.0	3.1	8.0	23.4
	3	2.0	3.1	.	.	.	.	.	.	.	.	2.0	3.1
	4	2.0	4.1	.	.	.	.	.	.	.	.	2.0	4.1
	ALL	7.0	7.1	5.0	16.4	2.0	3.3	4.0	28.2	4.0	6.4	22.0	28.2

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		CR	CR	CR	CR	CR	CR						
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
ALL	DAY												
	1	6.0	7.1	5.0	21.8	8.0	3.3	8.0	28.2	8.0	6.4	35.0	28.2
	2	5.0	4.2	7.0	13.6	.	.	8.0	31.1	8.0	3.5	28.0	31.1
	3	6.0	4.3	.	.	.	.	.	.	.	.	6.0	4.3
	4	6.0	4.8	.	.	.	.	.	.	.	.	6.0	4.8
	ALL	23.0	7.1	12.0	21.8	8.0	3.3	16.0	31.1	16.0	6.4	75.0	31.1

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

27

ALL

COMBINATION OF FORT & VEHICLE TYPE																	
		SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL					
		CR		CR		CR		CR		CR		CR					
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX				
POSITION	DAY																
COMMANDER	1	4.0	2.2	3.0	22.0	4.0	3.1	4.0	22.3	4.0	4.2	19.0	22.3				
	2	4.0	7.6	5.0	13.6			5.0	30.5	5.0	3.0	19.0	30.5				
	3	4.0	3.7									4.0	3.7				
	4	4.0	4.8									4.0	4.8				
	ALL	16.0	7.6	8.0	22.0	4.0	3.1	9.0	30.5	9.0	4.2	46.0	30.5				
DRIVER	DAY																
	1	4.0	2.8	4.0	17.4	4.0	2.4	4.0	14.0	4.0	4.2	20.0	17.4				
	2	4.0	4.2	5.0	16.6			5.0	24.2	4.0	2.6	18.0	24.2				
	3	4.0	17.0									4.0	17.0				
	4	4.0	4.3									4.0	4.3				
	ALL	16.0	17.0	9.0	17.4	4.0	2.4	9.0	24.2	8.0	4.2	46.0	24.2				
GUNNER	DAY																
	1					2.0	2.9	2.0	7.5	2.0	4.2	6.0	7.5				
	2							2.0	31.1	2.0	3.5	4.0	31.1				
	ALL					2.0	2.9	4.0	31.1	4.0	4.2	10.0	31.1				
	LOADER	DAY															
		1	4.0	7.1	4.0	19.9	4.0	3.3	4.0	28.2	4.0	6.4	20.0	28.2			
2		2.0	2.7	6.0	10.9			5.0	29.3	5.0	3.2	18.0	29.3				
3		4.0	4.4									4.0	4.4				
4		4.0	4.1									4.0	4.1				
ALL		14.0	7.1	10.0	19.9	4.0	3.3	9.0	29.3	9.0	6.4	46.0	29.3				

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR
	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
1 DAY												
1	12.0	7.1	11.0	22.0	14.0	3.3	14.0	28.2	14.0	6.4	65.0	28.2
2	10.0	7.6	16.0	16.6	.	.	17.0	31.1	16.0	3.5	59.0	31.1
3	12.0	17.0	.	.	.	.	.	.	.	.	12.0	17.0
4	12.0	4.8	.	.	.	.	.	.	.	.	12.0	4.8
ALL	46.0	17.0	27.0	22.0	14.0	3.3	31.0	31.1	30.0	6.4	148.0	31.1

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE												ALL	
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1									
		CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY															
COMMANDER	1	1.6	0.9	20.4	2.2	1.8	0.1	19.7	3.7	2.9	0.4	9.3	9.4		
	2	5.2	3.4	9.9	1.2	.	.	14.6	7.0	2.6	0.3	8.3	5.9		
	3	3.5	0.3	.	.	.	.	.	.	.	.	3.5	0.3		
	4	2.5	0.4	.	.	.	.	.	.	.	.	2.5	0.4		
	ALL	3.2	2.0	14.1	6.0	1.8	0.1	16.6	6.0	2.7	0.3	7.9	7.3		
DRIVER															
	1	1.6	0.8	16.4	1.4	1.1	0.2	12.1	2.6	2.9	1.9	6.8	6.7		
	2	2.6	0.1	12.0	4.3	.	.	13.9	5.5	2.0	0.8	8.7	6.4		
	3	9.9	10.1	.	.	.	.	.	.	.	.	9.9	10.1		
	4	2.2	1.2	.	.	.	.	.	.	.	.	2.2	1.2		
	ALL	4.0	5.3	13.7	3.9	1.1	0.2	13.2	4.2	2.5	1.3	7.5	6.5		
LOADER															
	1	2.6	0.6	16.4	4.9	1.6	0.9	23.0	0.6	4.7	0.8	9.7	9.2		
	2	2.4	.	10.0	0.8	.	.	15.3	12.2	2.3	0.8	8.5	8.1		
	3	3.6	1.1	.	.	.	.	.	.	.	.	3.6	1.1		
	4	2.0	0.8	.	.	.	.	.	.	.	.	2.0	0.8		
	ALL	2.7	0.9	12.6	4.3	1.6	0.9	18.4	9.6	3.3	1.5	8.0	8.1		
ALL															
	1	1.9	0.8	17.8	3.2	1.5	0.5	18.3	5.4	3.5	1.3	8.6	8.3		
	2	3.6	2.3	10.6	2.5	.	.	14.6	7.6	2.4	0.6	8.5	6.6		
	3	5.7	5.6	.	.	.	.	.	.	.	.	5.7	5.6		
	4	2.2	0.7	.	.	.	.	.	.	.	.	2.2	0.7		
	ALL	3.3	3.3	13.5	4.5	1.5	0.5	16.1	6.8	2.9	1.1	7.8	7.2		

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		STILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		CR		CR		CR		CR		CR		CR	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY												
COMMANDER	1	1.6	0.8	21.8		2.0	1.6	8.7	2.1	3.6	0.9	6.0	6.7
	2	3.0	0.5	12.9	1.0			22.1	11.8	2.4	0.6	10.1	9.7
	3	2.6	0.1									2.6	0.1
	4	4.2	0.8									4.2	0.8
	ALL	2.8	1.1	15.9	5.2	2.0	1.6	15.4	10.4	3.0	0.9	7.1	7.6
DRIVER	1	1.9	1.3	14.2	4.5	2.1	0.4	9.2	2.6	3.0	0.3	6.1	5.4
	2	3.4	1.1	9.6	2.6			23.2	1.4	2.2	0.2	9.6	9.0
	3	3.9	0.5									3.9	0.5
	4	3.5	1.2									3.5	1.2
	ALL	3.2	1.1	11.9	4.0	2.1	0.4	16.2	8.2	2.6	0.5	6.9	6.7
GUNNER	1					2.2	1.1	7.5	0.0	3.2	1.5	4.3	2.7
	2							22.4	12.2	3.0	0.7	12.7	13.3
	3					2.2	1.1	15.0	11.2	3.1	1.0	7.7	9.0
	4												
	ALL												
LOADER	1	5.2	2.6	12.8	5.0	2.5	1.2	17.8	14.7	4.4	2.8	8.6	8.1
	2	2.7		8.4	2.2			21.2	3.0	2.6	0.8	9.4	7.9
	3	3.1	0.0									3.1	0.0
	4	2.8	1.8									2.8	1.8
	ALL	3.6	1.7	10.2	3.8	2.5	1.2	19.5	8.9	3.5	2.0	7.9	7.4
ALL	DAY												
	1	2.9	2.3	15.2	5.1	2.2	0.9	10.8	7.2	3.5	1.4	6.4	6.3

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

31

SAMPLE TYPE BREATHING /ONE

	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
	CR	STD	MEAN	CR	STD	MEAN	CR	STD	MEAN	CR	STD	MEAN
ALL	DAY											
1	3.1	0.7	10.0	2.7								
2						22.3		6.6	2.5		0.6	10.1
3	3.2	0.6										9.1
4	3.5	1.2										0.6
ALL	3.2	1.3	12.2	4.5	2.2	0.9	16.5	8.9	3.0	1.1	7.3	7.4

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL					
	CR		CR		CR		CR		CR		CR		CR		CR	
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY															
COMMANDER	1	1.6	0.7	20.9	1.7	1.9	0.9	14.2	6.8	3.3	0.7	7.7	8.2			
	2	4.1	2.4	11.1	1.9	.	.	17.6	8.7	2.5	0.4	9.1	7.6			
	3	3.0	0.6	.	.	.	.	.	.	.	.	3.0	0.6			
	4	3.3	1.1	.	.	.	.	.	.	.	.	3.3	1.1			
	ALL	3.0	1.6	14.8	5.4	1.9	0.9	16.1	7.7	2.9	0.6	7.5	7.4			
DRIVER	DAY															
	1	1.7	0.9	15.3	3.0	1.6	0.6	10.7	2.7	2.9	1.1	6.5	6.0			
	2	3.0	0.8	11.0	3.5	.	.	17.6	6.4	2.1	0.5	9.1	7.5			
	3	6.9	6.8	.	.	.	.	.	.	.	.	6.9	6.8			
	4	2.8	1.2	.	.	.	.	.	.	.	.	2.8	1.2			
GUNNER	ALL	3.6	3.7	12.9	3.9	1.6	0.6	14.5	6.1	2.5	0.9	7.2	6.5			
	DAY															
	1	.	.	.	.	2.2	1.1	7.5	0.0	3.2	1.5	4.3	2.7			
	2	.	.	.	.	.	.	22.4	12.2	3.0	0.7	12.7	13.3			
	ALL	.	.	.	.	2.2	1.1	15.0	11.2	3.1	1.0	7.7	9.0			
LOADER	DAY															
	1	3.9	2.2	14.6	4.5	2.1	1.0	20.4	9.0	4.5	1.7	9.1	8.5			
	2	2.6	0.2	9.2	1.7	.	.	17.7	9.3	2.4	0.7	8.9	7.8			
	3	3.4	0.7	.	.	.	.	.	.	.	.	3.4	0.7			
	4	2.4	1.2	.	.	.	.	.	.	.	.	2.4	1.2			
ALL	ALL	3.1	1.4	11.4	4.1	2.1	1.0	18.9	8.7	3.4	1.6	8.0	7.7			
	DAY															
	1	2.4	1.7	16.6	4.2	1.9	0.8	14.0	7.3	3.5	1.3	7.4	7.3			
	2															
	3															

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE													
	STILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
	CR	STD	CR	STD	CR	STD	CR	STD	CR	STD	CR	STD	CR	STD
DAY	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
2	3.4	1.6	10.3	2.5	.	.	18.2	7.9	2.4	0.6	9.3	7.9		
3	4.4	4.0	.	.	.	.	.	.	.	.	4.4	4.0		
4	2.8	1.2	.	.	.	.	.	.	.	.	2.8	1.2		
ALL	3.3	2.5	12.9	4.5	1.9	0.8	16.3	7.8	2.9	1.1	7.6	7.3		

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		CU	CU	CU	CU	CU	CU						
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION	DAY												
COMMANDER	1	2.0	46.4	2.0	34.6	2.0	47.8	2.0	9.9	2.0	18.0	10.0	47.8
	2	2.0	26.3	3.0	19.8	.	.	3.0	11.1	3.0	6.8	11.0	26.3
	3	2.0	57.1	.	.	.	.	.	.	.	.	2.0	57.1
	4	2.0	5.5	.	.	.	.	.	.	.	.	2.0	5.5
	ALL	8.0	57.1	5.0	34.6	2.0	47.8	5.0	11.1	5.0	18.0	25.0	57.1
DRIVER	DAY												
	1	2.0	109.0	2.0	29.0	2.0	20.9	2.0	8.4	2.0	15.7	10.0	109.0
	2	2.0	28.3	3.0	17.4	.	.	3.0	11.5	2.0	5.2	10.0	28.3
	3	2.0	7.9	.	.	.	.	.	.	.	.	2.0	7.9
	4	2.0	16.1	.	.	.	.	.	.	.	.	2.0	16.1
	ALL	8.0	109.0	5.0	29.0	2.0	20.9	5.0	11.5	4.0	15.7	24.0	109.0
LOADER	DAY												
	1	2.0	29.7	2.0	16.9	2.0	60.1	2.0	13.0	2.0	27.1	10.0	60.1
	2	1.0	22.7	3.0	31.6	.	.	3.0	8.6	3.0	6.0	10.0	31.6
	3	2.0	1.1	.	.	.	.	.	.	.	.	2.0	1.1
	4	2.0	5.5	.	.	.	.	.	.	.	.	2.0	5.5
	ALL	7.0	29.7	5.0	31.6	2.0	60.1	5.0	13.0	5.0	27.1	24.0	60.1
ALL	DAY												
	1	6.0	109.0	6.0	34.6	6.0	60.1	6.0	13.0	6.0	27.1	30.0	109.0
	2	5.0	28.3	9.0	31.6	.	.	9.0	11.5	8.0	6.8	31.0	31.6
	3	6.0	57.1	.	.	.	.	.	.	.	.	6.0	57.1
	4	6.0	16.1	.	.	.	.	.	.	.	.	6.0	16.1

(CONTINUED)

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CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-MT09	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	CU	CU	CU	CU	CU	CU
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION	DAY												
COMMANDER	1	2.0	63.6	1.0	10.9	2.0	19.2	2.0	10.2	2.0	15.4	9.0	63.6
	2	2.0	35.7	2.0	35.7			2.0	5.5	2.0	5.0	8.0	35.7
	3	2.0	4.3									2.0	4.3
	4	2.0	2.6									2.0	2.6
	ALL	8.0	63.6	3.0	35.7	2.0	19.2	4.0	10.2	4.0	15.4	21.0	63.6
DRIVER	1												
	2	2.0	33.9	2.0	11.0	2.0	19.0	2.0	8.3	2.0	18.6	10.0	33.9
	3	2.0	14.1									2.0	14.1
	4	2.0	3.7									2.0	3.7
	ALL	8.0	33.9	4.0	11.0	2.0	19.0	4.0	11.1	4.0	18.6	22.0	33.9
GUNNER	1												
	2												
	3												
	4												
	ALL												
LOADER	1												
	2												
	3												
	4												
	ALL												

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE		COMBINATION OF FORT & VEHICLE TYPE											
BREATHING ZONE													
		SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		CU		CU		CU		CU		CU		CU	
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
ALL	DAY												
1		6.0	66.4	5.0	20.9	8.0	51.0	8.0	12.4	8.0	24.9	35.0	66.4
2		5.0	35.7	7.0	38.4	.	.	8.0	11.7	8.0	6.6	28.0	38.4
3		6.0	14.1	.	.	.	.	.	.	.	.	6.0	14.1
4		6.0	3.7	.	.	.	.	.	.	.	.	6.0	3.7
ALL		23.0	66.4	12.0	38.4	8.0	51.0	16.0	12.4	16.0	24.9	75.0	66.4

CONCENTRATION 'FIRECONC) OF SELECTED METALS (UG/M3)

ALL

COMBINATION OF FORT & VEHICLE TYPE													
	SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL		
	CU		CU		CU		CU		CU		CU		CU
	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.
POSITION	DAY												
COMMANDER	1	4.0	63.6	3.0	34.6	4.0	47.8	4.0	10.2	4.0	18.0	19.0	63.6
	2	4.0	35.7	5.0	35.7	.	.	5.0	11.1	5.0	6.8	19.0	35.7
	3	4.0	57.1	.	.	.	.	.	.	.	.	4.0	57.1
	4	4.0	5.5	.	.	.	.	.	.	.	.	4.0	5.5
	ALL	16.0	63.6	8.0	35.7	4.0	47.8	9.0	11.1	9.0	18.0	46.0	63.6
DRIVER	DAY												
	1	4.0	109.0	4.0	29.0	4.0	20.9	4.0	8.4	4.0	18.6	20.0	109.0
	2	4.0	28.3	5.0	17.4	.	.	5.0	11.5	4.0	5.2	18.0	28.3
	3	4.0	14.1	.	.	.	.	.	.	.	.	4.0	14.1
	4	4.0	16.1	.	.	.	.	.	.	.	.	4.0	16.1
ALL	16.0	109.0	9.0	29.0	4.0	20.9	9.0	11.5	8.0	18.6	46.0	109.0	
GUNNER	DAY												
	1	.	.	.	.	2.0	28.3	2.0	12.4	2.0	20.1	6.0	28.3
	2	.	.	.	.	.	.	2.0	9.2	2.0	4.8	4.0	9.2
	ALL	.	.	.	.	2.0	28.3	4.0	12.4	4.0	20.1	10.0	28.3
LOADER	DAY												
	1	4.0	66.4	4.0	20.9	4.0	60.1	4.0	13.0	4.0	27.1	20.0	66.4
	2	2.0	22.7	6.0	38.4	.	.	5.0	11.7	5.0	6.6	18.0	38.4
	3	4.0	9.5	.	.	.	.	.	.	.	.	4.0	9.5
	4	4.0	5.5	.	.	.	.	.	.	.	.	4.0	5.5
ALL	14.0	66.4	10.0	38.4	4.0	60.1	9.0	13.0	9.0	27.1	46.0	66.4	

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

39

ALL

COMBINATION OF FORT & VEHICLE TYPE													
SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
CU		CU		CU		CU		CU		CU			
# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
DAY													
1	12.0	109.0	11.0	34.6	14.0	60.1	14.0	14.0	27.1	65.0	109.0		
2	10.0	35.7	16.0	38.4	.	.	17.0	11.7	6.8	59.0	38.4		
3	12.0	57.1	.	.	.	.	.	.	.	12.0	57.1		
4	12.0	16.1	.	.	.	.	.	.	.	12.0	16.1		
ALL	46.0	109.0	27.0	38.4	14.0	60.1	31.0	13.0	27.1	148.0	109.0		

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	CU	CU	CU	CU	CU	CU
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY													
COMMANDER	1	32.8	19.2	22.4	17.2	37.0	15.3	9.2	1.0	10.8	10.2	22.5	15.8
	2	22.0	6.1	10.8	9.0	.	.	9.3	2.8	3.8	3.1	10.5	8.0
	3	33.4	33.5	.	.	.	.	.	.	.	.	33.4	33.5
	4	3.7	2.6	.	.	.	.	.	.	.	.	3.7	2.6
ALL		23.0	19.6	15.5	12.4	37.0	15.3	9.3	2.0	6.6	6.7	16.6	15.4
DRIVER DAY													
1		65.6	61.4	18.8	14.4	15.2	8.0	8.1	0.5	13.1	3.6	24.2	30.7
2		20.4	11.2	8.6	7.6	.	.	7.7	4.0	3.0	3.2	9.6	8.3
3		4.5	4.9	.	.	.	.	.	.	.	.	4.5	4.9
4		9.3	9.7	.	.	.	.	.	.	.	.	9.3	9.7
ALL		24.9	35.2	12.7	10.6	15.2	8.0	7.9	2.8	8.1	6.5	15.2	21.5
LOADER DAY													
1		25.2	6.3	15.6	1.8	43.1	24.0	10.7	3.2	21.3	8.2	23.2	14.6
2		22.7	.	19.9	15.9	.	.	8.2	0.4	2.8	2.8	11.5	11.2
3		1.1	0.0	.	.	.	.	.	.	.	.	1.1	0.0
4		3.3	3.1	.	.	.	.	.	.	.	.	3.3	3.1
ALL		11.7	12.3	18.2	11.5	43.1	24.0	9.2	2.1	10.2	11.1	14.8	14.0
ALL DAY													
1		41.2	34.7	19.0	10.5	31.8	18.6	9.3	1.9	15.1	7.8	23.3	20.9
2		21.5	6.4	13.1	11.2	.	.	8.4	2.5	3.2	2.6	10.5	8.9
3		13.0	21.9	.	.	.	.	.	.	.	.	13.0	21.9
4		5.4	5.6	.	.	.	.	.	.	.	.	5.4	5.6
ALL		20.2	24.3	15.5	10.9	31.8	18.6	8.8	2.3	8.3	8.0	15.6	17.0

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
		CU	CU	CU	CU	CU	CU	CU	CU	CU	CU	CU	CU
POSITION	DAY	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
COMMANDER	1	43.1	29.0	10.9	.	12.8	9.0	7.5	3.8	14.6	1.1	18.6	17.8
	2	27.2	12.0	18.7	24.0	.	.	5.3	0.3	4.8	0.3	14.0	14.3
	3	3.3	1.4	.	.	.	.	.	.	.	.	3.3	1.4
	4	1.8	1.2	.	.	.	.	.	.	.	.	1.8	1.2
	ALL	18.8	21.9	16.1	17.6	12.8	9.0	6.4	2.5	9.7	5.7	13.8	15.3
DRIVER	1	17.3	23.5	10.3	1.0	18.3	1.0	7.9	0.7	18.2	0.5	14.4	9.1
	2	7.4	0.9	4.7	4.2	.	.	8.0	4.4	3.4	2.3	5.9	3.2
	3	10.4	5.2	.	.	.	.	.	.	.	.	10.4	5.2
	4	3.3	0.6	.	.	.	.	.	.	.	.	3.3	0.6
	ALL	9.6	10.6	7.5	4.1	18.3	1.0	7.9	2.6	10.8	8.7	9.9	7.8
GUNNER	1	.	.	.	.	17.5	15.3	11.2	1.7	19.6	0.7	16.1	7.9
	2	.	.	.	.	.	.	8.8	0.5	4.5	0.4	6.7	2.5
	3	.	.	.	.	17.5	15.3	10.0	1.7	12.0	8.7	12.3	7.8
	4	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	.	.	.	.	.	.	.	.	.	.	.	.
LOADER	1	43.9	31.7	15.1	8.2	33.2	25.2	8.3	4.9	16.2	12.3	23.4	20.0
	2	14.2	.	22.6	18.9	.	.	11.3	0.6	3.8	4.0	14.0	12.9
	3	9.4	0.1	.	.	.	.	.	.	.	.	9.4	0.1
	4	1.8	0.1	.	.	.	.	.	.	.	.	1.8	0.1
	ALL	17.8	22.5	19.6	14.5	33.2	25.2	9.8	3.3	10.0	10.3	16.7	16.7
ALL	1	34.8	25.8	12.3	4.9	20.5	14.2	8.7	2.9	17.2	5.1	18.3	15.0

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
	CU	CU	CU	CU	CU	CU	CU	CU	CU	CU	CU	CU
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
ALL	DAY											
2	16.7	11.7	16.4	16.9			8.4	2.9	4.1	1.9	10.6	10.8
3	7.7	4.2									7.7	4.2
4	2.3	1.0									2.3	1.0
ALL	15.3	18.6	14.7	13.0	20.5	14.2	8.5	2.8	10.6	7.7	13.3	13.2

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109				BENNING-M3				KNOX-M60				CARSON-M60			
	CU	CU	CU	CU	CU	CU	CU	CU	CU	CU	CU	CU	CU	CU	CU	CU
POSITION (DAY)	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
COMMANDER																
1	38.0	20.9	18.6	13.9	24.9	17.3	8.4	2.5	12.7	6.3	20.6	16.5				
2	24.6	8.3	14.0	14.3			7.7	3.0	4.2	2.2	12.0	10.9				
3	18.3	26.0									18.3	26.0				
4	2.8	2.0									2.8	2.0				
ALL	20.9	20.2	15.7	13.3	24.9	17.3	8.0	2.6	8.0	6.1	15.3	15.2				
DRIVER																
DAY																
1	41.4	47.1	14.5	9.7	16.8	5.0	8.0	0.5	15.7	3.6	19.3	22.6				
2	13.9	9.9	7.1	6.2			7.8	3.6	3.2	2.3	7.9	6.6				
3	7.4	5.4									7.4	5.4				
4	6.3	6.6									6.3	6.6				
ALL	17.3	26.4	10.4	8.4	16.8	5.0	7.9	2.6	9.4	7.3	12.7	16.5				
GUNNER																
DAY																
1					17.5	15.3	11.2	1.7	19.6	0.7	16.1	7.9				
2							8.8	0.5	4.5	0.4	6.7	2.5				
ALL					17.5	15.3	10.0	1.7	12.0	8.7	12.3	7.8				
LOADER																
DAY																
1	34.6	21.6	15.4	4.9	38.2	20.9	9.5	3.6	18.8	9.0	23.3	17.1				
2	18.4	6.0	21.3	15.7			9.4	1.8	3.2	2.9	12.6	11.7				
3	5.2	4.8									5.2	4.8				
4	2.6	2.0									2.6	2.0				
ALL	14.8	17.7	18.9	12.4	38.2	20.9	9.5	2.6	10.1	10.1	15.8	15.2				
ALL																
DAY																
1	38.0	29.3	15.9	8.8	25.3	16.6	9.0	2.5	16.3	6.2	20.6	18.0				

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE													
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	CU	CU	CU	CU	CU	CU	CU	CU
DAY	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
1	19.1	9.2	14.5	13.5	8.4	2.6	3.7	2.2	10.6	9.8				
2	10.3	15.3												
3	3.9	4.1												
4	17.8	21.6	15.1	11.6	25.3	16.6	8.7	2.5	9.6	7.8	14.4	15.2		
ALL														

CONCENTRATION (FIRCONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109			KNOX-M60			CARSON-M60			KNOX-M1		
		FE			FE			FE			FE		
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY													
COMMANDER	1	2.0	59.9	2.0	126.0	2.0	267.0	2.0	267.0	2.0	7.3	10.0	267.0
	2	2.0	461.0	3.0	205.0	.	.	3.0	296.0	3.0	6.8	11.0	461.0
	3	2.0	5.2	.	.	.	.	.	.	.	.	2.0	5.2
	4	2.0	1.0	.	.	.	.	.	.	.	.	2.0	1.0
	ALL	8.0	461.0	5.0	205.0	2.0	267.0	5.0	296.0	5.0	7.3	25.0	461.0
DRIVER	1	2.0	43.8	2.0	193.0	2.0	444.0	2.0	444.0	2.0	1.6	10.0	444.0
	2	2.0	52.5	3.0	249.0	.	.	3.0	170.0	2.0	9.5	10.0	249.0
	3	2.0	44.8	.	.	.	.	.	.	.	.	2.0	44.8
	4	2.0	1.0	.	.	.	.	.	.	.	.	2.0	1.0
	ALL	8.0	52.5	5.0	249.0	2.0	444.0	5.0	170.0	4.0	9.5	24.0	444.0
LOADER	1	2.0	51.6	2.0	285.0	2.0	477.0	2.0	477.0	2.0	13.0	10.0	477.0
	2	1.0	36.6	3.0	178.0	.	.	3.0	457.0	3.0	13.0	10.0	178.0
	3	2.0	6.5	.	.	.	.	.	.	.	.	2.0	6.5
	4	2.0	1.7	.	.	.	.	.	.	.	.	2.0	1.7
	ALL	7.0	51.6	5.0	178.0	2.0	477.0	5.0	457.0	5.0	13.0	24.0	178.0
ALL	1	6.0	59.9	6.0	285.0	6.0	477.0	6.0	477.0	6.0	13.0	30.0	477.0
	2	5.0	461.0	9.0	178.0	.	.	9.0	457.0	8.0	13.0	31.0	178.0
	3	6.0	44.8	.	.	.	.	.	.	.	.	6.0	44.8
	4	6.0	1.7	.	.	.	.	.	.	.	.	6.0	1.7
	ALL	23.0	461.0	20.0	178.0	17.0	477.0	20.0	457.0	17.0	13.0	67.0	178.0

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA

COMBINATION OF FORT & VEHICLE TYPE													
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		FE	FE	FE	FE	FE	FE	FE	FE	FE	FE	FE	FE
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
ALL	ALL	23.01	461.01	15.01	78.01	6.01	8.41	15.01	477.01	14.01	13.01	73.01	778.01

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF PORT & VEHICLE TYPE											
		STILL-M109		BLINNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		FE	FE	FE	FE	FE	FE	FE	FE	FE	FE	FE	FE
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
POSITION DAY													
COMMANDER	1	2.0	93.2	1.0	187.0	2.0	9.2	2.0	1000.0	2.0	5.3	9.0	1000.0
	2	2.0	53.4	2.0	307.0	.	.	2.0	10.2	2.0	6.8	8.0	307.0
	3	2.0	1.1	.	.	.	.	.	.	.	.	2.0	1.1
	4	2.0	1.0	.	.	.	.	.	.	.	.	2.0	1.0
	ALL	8.0	93.2	3.0	307.0	2.0	9.2	4.0	1000.0	4.0	6.8	21.0	1000.0
DRIVER													
DRIVER	1	2.0	31.1	2.0	214.0	2.0	8.6	2.0	632.0	2.0	11.3	10.0	632.0
	2	2.0	44.8	2.0	818.0	.	.	2.0	24.2	2.0	28.8	8.0	818.0
	3	2.0	1.8	.	.	.	.	.	.	.	.	2.0	1.8
	4	2.0	25.4	.	.	.	.	.	.	.	.	2.0	25.4
	ALL	8.0	44.8	4.0	818.0	2.0	8.6	4.0	632.0	4.0	28.8	22.0	818.0
GUNNER													
GUNNER	1	.	.	.	.	2.0	3.6	2.0	137.0	2.0	2.8	6.0	137.0
	2	.	.	.	.	.	.	2.0	297.0	2.0	10.9	4.0	297.0
	3	.	.	.	.	.	.	2.0	297.0	2.0	10.9	10.0	297.0
	4	.	.	.	.	2.0	3.6	4.0	297.0	4.0	10.9	10.0	297.0
	ALL	7.0	88.3	5.0	275.0	2.0	65.8	4.0	346.0	4.0	12.6	22.0	346.0
LOADER													
LOADER	1	2.0	88.3	2.0	65.8	2.0	65.8	2.0	346.0	2.0	5.8	10.0	346.0
	2	1.0	21.4	3.0	275.0	.	.	2.0	106.0	2.0	12.6	8.0	275.0
	3	2.0	1.2	.	.	.	.	.	.	.	.	2.0	1.2
	4	2.0	75.9	.	.	.	.	.	.	.	.	2.0	75.9
	ALL	7.0	88.3	5.0	275.0	2.0	65.8	4.0	346.0	4.0	12.6	22.0	346.0

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

49

ALL

COMBINATION OF FORT & VEHICLE TYPE													
SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
FE	FE	FE	FE	FE	FE	FE	FE	FE	FE	FE	FE	FE	FE
# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION/DAY													
COMMANDER													
1	4.0	93.2	3.0	187.0	4.0	9.2	4.0	1000.0	4.0	7.3	19.0	1000.0	
2	4.0	461.0	5.0	307.0			5.0	296.0	5.0	6.8	19.0	461.0	
3	4.0	5.2									4.0	5.2	
4	4.0	1.0											
ALL	16.0	461.0	8.0	307.0	4.0	9.2	9.0	1000.0	9.0	7.3	46.0	1000.0	
DRIVER													
1	4.0	43.8	4.0	214.0	4.0	8.6	4.0	632.0	4.0	11.3	20.0	632.0	
2	4.0	52.5	5.0	818.0			5.0	170.0	4.0	28.8	18.0	818.0	
3	4.0	44.8									4.0	44.8	
4	4.0	25.4									4.0	25.4	
ALL	16.0	52.5	9.0	818.0	4.0	8.6	9.0	632.0	8.0	28.8	46.0	818.0	
GUNNER													
1					2.0	3.6	2.0	137.0	2.0	2.8	6.0	137.0	
2							2.0	297.0	2.0	10.9	4.0	297.0	
ALL					2.0	3.6	4.0	297.0	4.0	10.9	10.0	297.0	
LOADER													
1	4.0	88.3	4.0	285.0	4.0	65.8	4.0	477.0	4.0	13.0	20.0	477.0	
2	2.0	36.6	6.0	778.0			5.0	457.0	5.0	13.0	18.0	778.0	
3	4.0	6.5									4.0	6.5	
4	4.0	75.9									4.0	75.9	
ALL	14.0	88.3	10.0	778.0	4.0	65.8	9.0	477.0	9.0	13.0	46.0	778.0	

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL

COMBINATION OF FORT & VEHICLE TYPE													
SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
FE		FE		FE		FE		FE		FE			
# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
DAY													
1	12.0	93.2	11.0	285.0	14.0	65.8	14.0	1000.0	14.0	13.0	65.0	1000.0	
2	10.0	461.0	16.0	818.0	.	.	17.0	457.0	16.0	28.8	59.0	818.0	
3	12.0	44.8	.	.	.	.	.	.	.	.	12.0	44.8	
4	12.0	75.9	.	.	.	.	.	.	.	.	12.0	75.9	
ALL	46.0	461.0	27.0	818.0	14.0	65.8	31.0	1000.0	30.0	28.8	148.0	1000.0	

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
		FE	STD	MEAN	FE	STD	MEAN	FE	STD	MEAN	FE	STD	MEAN
POSITION DAY		FE	STD	MEAN	FE	STD	MEAN	FE	STD	MEAN	FE	STD	MEAN
COMMANDER	1	36.9	32.5	124.0	2.8	1.9	0.8	262.0	7.1	4.4	4.0	85.8	104.5
	2	236.5	317.4	169.0	47.6	.	.	144.9	130.9	2.8	3.4	129.4	147.0
	3	3.2	2.8	.	.	.	.	.	.	.	.	3.2	2.8
	4	1.0	0.1	.	.	.	.	.	.	.	.	1.0	0.1
	ALL	69.4	159.4	151.0	41.8	1.9	0.8	191.8	112.6	3.5	3.3	91.6	122.9
DRIVER	1	27.1	23.6	102.5	128.0	3.9	4.8	258.5	262.3	1.3	0.4	78.7	141.5
	2	32.9	27.6	168.3	76.5	.	.	122.7	45.1	9.0	0.7	95.7	79.9
	3	22.9	31.0	.	.	.	.	.	.	.	.	22.9	31.0
	4	0.9	0.0	.	.	.	.	.	.	.	.	0.9	0.0
	ALL	21.0	22.2	142.0	91.2	3.9	4.8	177.0	154.1	5.1	4.5	74.6	106.2
LOADER	1	34.8	23.7	156.9	181.1	4.7	5.3	446.0	43.8	11.8	1.7	130.9	186.8
	2	36.6	.	525.7	238.9	.	.	210.3	222.7	6.9	5.4	226.5	271.5
	3	3.8	3.8	.	.	.	.	.	.	.	.	3.8	3.8
	4	1.4	0.5	.	.	.	.	.	.	.	.	1.4	0.5
	ALL	16.7	20.1	378.2	278.4	4.7	5.3	304.6	204.8	8.9	4.8	149.4	221.3
ALL	1	32.9	21.4	127.8	102.2	3.5	3.5	322.2	152.8	5.8	5.2	98.5	144.8
	2	115.1	194.1	287.6	219.5	.	.	159.3	136.9	5.9	4.4	149.9	185.3
	3	10.0	17.2	.	.	.	.	.	.	.	.	10.0	17.2
	4	1.1	0.3	.	.	.	.	.	.	.	.	1.1	0.3
	ALL	36.5	94.7	223.7	194.5	3.5	3.5	224.5	160.9	5.9	4.6	105.0	159.1

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE																
		COMBINATION OF FORT & VEHICLE TYPE														
		SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL				
		FE		FE		FE		FE		FE		FE		FE		
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	
POSITION	DAY															
COMMANDER	1	56.2	52.3	187.0		4.8	6.1	510.8	691.8	3.5	2.7	148.6	325.1			
	2	36.9	23.3	228.0	111.7			9.2	1.3	6.4	0.6	70.1	107.3			
	3	1.1	0.0									1.1	0.0			
	4	1.0	0.0													
	ALL	23.8	33.4	214.3	82.5	4.8	6.1	260.0	493.3	4.9	2.3	90.6	222.7			
DRIVER	1	16.6	20.6	131.1	117.2	7.5	1.5	400.5	327.4	8.3	4.2	112.8	197.2			
	2	26.4	26.0	475.5	484.4			20.4	5.3	15.9	18.3	134.6	279.2			
	3	1.4	0.6									1.4	0.6			
	4	13.3	17.2									13.3	17.2			
	ALL	14.4	17.0	303.3	349.7	7.5	1.5	210.5	289.6	12.1	11.7	101.5	211.8			
GUNNER	1					3.1	0.8	118.4	26.2	2.2	0.9	41.2	61.0			
	2							176.8	170.0	6.1	6.8	91.4	139.1			
	ALL					3.1	0.8	147.6	104.9	4.2	4.5	61.3	95.9			
	DAY															
LOADER	1	57.1	44.1	50.8	21.2	34.2	44.7	222.0	175.3	3.9	2.7	73.6	102.0			
	2	21.4		197.3	73.1			57.4	68.8	10.0	3.6	93.5	99.6			
	3	1.1	0.0									1.1	0.0			
	4	38.8	52.4									38.8	52.4			
	ALL	30.8	36.6	138.7	96.0	34.2	44.7	139.7	144.4	7.0	4.4	71.1	93.0			
DAY																
1	43.3	38.1	110.2	83.7	12.4	21.8	313.0	338.7	4.5	3.3	98.6	199.9				

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

53

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE																	
		SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60			KNOX-M1			ALL		

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109				BENNING-M3				KNOX-M60				CARSON-M60			
	FE	STD	MEAN	FE	FE	STD	MEAN	FE	FE	STD	MEAN	FE	FE	STD	MEAN	FE
POSITION	DAY	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
COMMANDER	1	46.6	37.3	145.0	36.4	3.4	3.9	386.4	424.5	3.9	2.8	115.6	231.3			
	2	136.7	216.9	192.6	72.8			90.7	118.7	4.2	3.1	104.4	131.8			
	3	2.2	2.0									2.2	2.0			
	4	1.0	0.0									1.0	0.0			
ALL	1	46.6	113.7	174.7	63.4	3.4	3.9	222.1	314.5	4.1	2.8	91.2	173.5			
	2	29.7	22.2	291.2	299.8			81.8	64.5	12.5	11.3	113.0	189.4			
	3	12.2	21.7									12.2	21.7			
	4	7.1	12.2									7.1	12.2			
ALL	1	17.7	19.4	213.7	239.3	5.7	3.6	191.9	208.9	8.6	9.0	87.5	163.9			
GUNNER	1					3.1	0.8	118.4	26.2	2.2	0.9	41.2	61.0			
	2							176.8	170.0	6.1	6.8	91.4	139.1			
	3					3.1	0.8	147.6	104.9	4.2	4.5	61.3	95.9			
	4															
ALL	1	46.0	31.6	103.9	121.8	19.4	31.1	334.0	166.1	7.9	4.9	102.2	149.4			
	2	29.0	10.7	361.5	239.4			149.2	181.7	8.2	4.6	167.4	218.5			
	3	2.5	2.7									2.5	2.7			
	4	20.1	37.2									20.1	37.2			
ALL	1	23.7	29.3	258.4	233.4	19.4	31.1	231.3	190.6	8.0	4.4	111.9	175.0			
ALL	1	38.1	29.9	119.8	90.0	8.6	16.8	316.9	266.0	5.1	4.1	98.5	175.3			

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

55

ALL

	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
	FE	FE	FE	FE	FE	FE	FE	FE	FE	FE	FE	FE
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
DAY												
1	72.4	137.6	286.7	222.9			115.4	126.4	7.8	6.9	125.4	178.1
2												
3	5.6	12.5									5.6	12.5
4	9.4	22.1									9.4	22.1
ALL	29.6	69.6	218.7	196.9	8.6	16.8	206.4	222.7	6.5	5.8	94.5	166.0

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
		MG			MG			MG			MG		
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY													
COMMANDER	1	2.0	6.7	2.0	12.6	2.0	5.0	2.0	81.7	2.0	4.2	10.0	81.7
	2	2.0	4.6	3.0	31.1	.	.	3.0	69.6	3.0	8.6	11.0	69.6
	3	2.0	21.6	.	.	.	.	.	.	.	.	2.0	21.6
	4	2.0	1.0	.	.	.	.	.	.	.	.	2.0	1.0
	ALL	8.0	21.6	5.0	31.1	2.0	5.0	5.0	81.7	5.0	8.6	25.0	81.7
DRIVER	DAY												
	1	2.0	2.1	2.0	20.3	2.0	1.9	2.0	59.4	2.0	2.1	10.0	59.4
	2	2.0	2.7	3.0	31.7	.	.	3.0	71.9	2.0	3.9	10.0	71.9
	3	2.0	1.0	.	.	.	.	.	.	.	.	2.0	1.0
	4	2.0	7.0	.	.	.	.	.	.	.	.	2.0	7.0
	ALL	8.0	7.0	5.0	31.7	2.0	1.9	5.0	71.9	4.0	3.9	24.0	71.9
LOADER	DAY												
	1	2.0	2.1	2.0	35.3	2.0	5.8	2.0	75.7	2.0	5.8	10.0	75.7
	2	1.0	6.5	3.0	188.0	.	.	3.0	92.3	3.0	5.1	10.0	188.0
	3	2.0	2.2	.	.	.	.	.	.	.	.	2.0	2.2
	4	2.0	4.4	.	.	.	.	.	.	.	.	2.0	4.4
	ALL	7.0	6.5	5.0	188.0	2.0	5.8	5.0	92.3	5.0	5.8	24.0	188.0
ALL	DAY												
	1	6.0	6.7	6.0	35.3	6.0	5.8	6.0	81.7	6.0	5.8	30.0	81.7
	2	5.0	6.5	9.0	188.0	.	.	9.0	92.3	8.0	8.6	31.0	188.0
	3	6.0	21.6	.	.	.	.	.	.	.	.	6.0	21.6
	4	6.0	7.0	.	.	.	.	.	.	.	.	6.0	7.0

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

57

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE									
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL				
		MG	MG	MG	MG	MG	MG				
# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.
23.01	21.61	15.01	188.01	6.01	5.81	15.01	92.31	14.01	8.61	73.01	188.01
ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF TANK & VEHICLE TYPE											
		M109			KNOX-M60			CARSON-M60			KNOX-M1		
		MG			MG			MG			MG		
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
POSITION/DAY													
COMMANDER	1	2.0	10.6	1.0	4.7	2.0	3.3	2.0	68.9	2.0	4.0	9.0	68.9
	2	2.0	14.2	2.0	45.2	.	.	2.0	48.3	2.0	5.0	8.0	48.3
	3	2.0	3.9	.	.	.	.	.	.	.	.	2.0	3.9
	4	2.0	2.0	.	.	.	.	.	.	.	.	2.0	2.0
	ALL	8.0	14.2	3.0	45.2	2.0	3.3	4.0	68.9	4.0	5.0	21.0	68.9
DRIVER	1	2.0	2.1	2.0	25.4	2.0	2.9	2.0	66.6	2.0	10.6	10.0	66.6
	2	2.0	2.7	2.0	39.4	.	.	2.0	77.8	2.0	5.8	8.0	77.8
	3	2.0	1.8	.	.	.	.	.	.	.	.	2.0	1.8
	4	2.0	12.0	.	.	.	.	.	.	.	.	2.0	12.0
	ALL	8.0	12.0	4.0	39.4	2.0	2.9	4.0	77.8	4.0	10.6	22.0	77.8
GUNNER	1	.	.	.	.	2.0	16.3	2.0	77.4	2.0	6.4	6.0	77.4
	2	.	.	.	.	.	.	2.0	34.5	2.0	7.9	4.0	34.5
	3	.	.	.	.	2.0	16.3	4.0	77.4	4.0	7.9	10.0	77.4
	ALL	.	.	.	.	.	.	.	.	.	.	.	.
LOADER	1	2.0	16.9	2.0	9.0	2.0	7.7	2.0	104.0	2.0	8.5	10.0	104.0
	2	1.0	2.7	3.0	45.7	.	.	2.0	52.6	2.0	11.0	8.0	52.6
	3	2.0	11.8	.	.	.	.	.	.	.	.	2.0	11.8
	4	2.0	13.9	.	.	.	.	.	.	.	.	2.0	13.9
	ALL	7.0	16.9	5.0	45.7	2.0	7.7	4.0	104.0	4.0	11.0	22.0	104.0

(CONTINUED)

(CONCENTRATION (EURECORC) OF SELECTED METALS (UG/M3)

59

SAMPLE TYPE BREATHING ZONE

	COMBINATION OF FORT & VEHICLE TYPE											
	SUE-M109	BERRING-M3	EROS-M60	CARSON-M60	KNOX-M1	ALT	MG	MG	MG	MG	MG	MG
# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.
100%	1	1	1	1	1	1	1	1	1	1	1	1
1	6.0	16.9	9.0	25.4	8.0	16.3	8.0	104.0	8.0	10.6	35.0	104.0
2	9.0	14.2	7.0	45.7	.1	.1	8.0	17.8	8.0	11.0	28.0	17.8
3	6.0	11.8	.1	.1	.1	.1	.1	.1	.1	.1	6.0	11.8
4	6.0	13.9	.1	.1	.1	.1	.1	.1	.1	.1	6.0	13.9
ALL	23.0	16.9	12.0	45.7	8.0	16.3	16.0	104.0	16.0	11.0	75.0	104.0

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL

COMBINATION OF FORT & VEHICLE TYPE													
POSITION	DAY	SILL-M109		BENNING-M2		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		MG	# OF VHS.	MG	# OF VHS.	MG	# OF VHS.	MG	# OF VHS.	MG	# OF VHS.	MG	# OF VHS.
COMMANDER	1	4.0	10.6	3.0	12.6	4.0	5.0	4.0	81.7	4.0	4.2	19.0	81.7
	2	4.0	14.2	5.0	45.2	.	.	5.0	69.6	5.0	8.6	19.0	69.6
	3	4.0	21.6	.	.	.	.	.	.	.	.	4.0	21.6
	4	4.0	2.0	.	.	.	.	.	.	.	.	4.0	2.0
	ALL	16.0	21.6	8.0	45.2	4.0	5.0	9.0	81.7	9.0	8.6	46.0	81.7
DRIVER	1	4.0	2.1	4.0	25.4	4.0	2.9	4.0	66.6	4.0	10.6	20.0	66.6
	2	4.0	2.7	5.0	39.4	.	.	5.0	77.8	4.0	5.8	18.0	77.8
	3	4.0	1.8	.	.	.	.	.	.	.	.	4.0	1.8
	4	4.0	12.0	.	.	.	.	.	.	.	.	4.0	12.0
	ALL	16.0	12.0	9.0	39.4	4.0	2.9	9.0	77.8	8.0	10.6	46.0	77.8
GUNNER	1	.	.	.	.	2.0	16.3	2.0	77.4	2.0	6.4	6.0	77.4
	2	.	.	.	.	.	.	2.0	34.5	2.0	7.9	4.0	34.5
	ALL	.	.	.	.	2.0	16.3	4.0	77.4	4.0	7.9	10.0	77.4
	1	4.0	16.9	4.0	35.3	4.0	7.7	4.0	104.0	4.0	8.5	20.0	104.0
	2	2.0	6.5	6.0	188.0	.	.	5.0	92.3	5.0	11.0	18.0	188.0
LOADER	3	4.0	11.8	.	.	.	.	.	.	.	.	4.0	11.8
	4	4.0	13.9	.	.	.	.	.	.	.	.	4.0	13.9
	ALL	14.0	16.9	10.0	188.0	4.0	7.7	9.0	104.0	9.0	11.0	46.0	188.0

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

61

ALL

COMBINATION OF FORT & VEHICLE TYPE												
SILL-M109			KNOX-M60			CARSON-M60			KNOX-M1			ALL
MG	# OF	VEHS.	MG	# OF	VEHS.	MG	# OF	VEHS.	MG	# OF	VEHS.	MG
MAX	VEHS.	MAX	VEHS.	MAX	VEHS.	MAX	VEHS.	MAX	VEHS.	MAX	VEHS.	MAX
DAY												
1	12.0	16.9	11.0	35.3	14.0	16.3	14.0	104.0	14.0	10.6	65.0	104.0
2	10.0	14.2	16.0	188.0	.	.	17.0	92.3	16.0	11.0	59.0	188.0
3	12.0	21.6	.	.	.	.	.	.	.	.	12.0	21.6
4	12.0	13.9	.	.	.	.	.	.	.	.	12.0	13.9
ALL	46.0	21.6	27.0	188.0	14.0	16.3	31.0	104.0	30.0	11.0	148.0	188.0

CONCENTRATION (P/P CONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE		GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE															
				SILI-M109				BENNING-M3				KNOX-M60				CARSON-M60			
				MG				MG				MG				MG			
				MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION		DAY																	
COMMANDER				4.2	3.6	8.5	5.8	3.6	2.0	76.4	7.5	3.1	1.6	19.2	30.4				
				3.6	1.5	19.0	12.9			64.0	5.6	4.3	3.9	24.5	27.0				
				11.4	10.5									11.4	14.5				
				1.0	0.1									1.0	0.1				
ALL				5.0	7.0	14.8	11.2	3.6	2.0	69.0	8.7	3.8	3.0	19.4	26.6				
DRIVER																			
				1.6	0.8	12.7	10.7	1.5	0.6	53.5	8.3	1.5	0.8	14.2	21.7				
				2.6	0.1	24.3	6.6			60.0	12.9	2.3	2.3	26.3	26.1				
				1.0	0.0									1.0	0.0				
ALL				4.0	4.2									4.0	4.2				
				2.3	2.0	19.6	9.5	1.5	0.6	57.4	10.6	1.9	1.5	17.3	23.0				
LOADER																			
				1.6	0.8	19.8	21.9	3.9	2.6	74.6	1.6	4.2	2.3	20.8	30.1				
				6.5		123.9	81.2			67.5	21.5	4.3	1.1	59.3	65.6				
				2.2	0.0									2.2	0.0				
ALL				2.7	2.3									2.7	2.3				
				2.8	2.0	82.2	81.6	3.9	2.6	70.3	15.7	4.2	1.4	33.8	50.6				
ALL																			
				2.4	2.2	13.7	12.3	3.0	1.9	68.2	12.4	2.9	1.8	18.0	26.9				
				3.8	1.8	55.7	65.7			63.8	13.2	3.8	2.5	36.3	44.7				
				4.9	8.2									4.9	8.2				
ALL				2.6	2.5									2.6	2.5				
				3.4	4.4	38.9	54.6	3.0	1.9	65.6	12.7	3.4	2.2	23.4	35.7				

CONCENTRATION (FIRE CONC) OF SELECTED METALS (UG/M3)

63

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		STILL-M109			BENNING-MC			KNOX-M60			CARSON-M60		
		MG	STD	MEAN	MG	STD	MEAN	MG	STD	MEAN	MG	STD	MEAN
POSITION	DAY	MG	STD	MEAN	MG	STD	MEAN	MG	STD	MEAN	MG	STD	MEAN
COMMANDER	1	1.2	4.9	4.7	2.7	0.9	47.7	29.9	3.9	0.2	14.2	21.9	
	2	8.4	8.2	39.6	7.9		39.3	12.7	4.5	0.7	23.0	18.9	
	3	2.5	2.0								2.5	2.0	
	4	1.5	0.7								1.5	0.7	
	ALL	4.9	4.9	28.0	20.9	2.7	43.5	19.4	4.2	0.6	15.2	19.4	
DRIVER	1	1.6	0.8	18.9	9.2	2.3	0.8	62.8	5.4	7.0	5.1	18.5	24.6
	2	2.6	0.1	31.7	10.8			57.0	29.3	4.4	2.0	24.0	26.6
	3	1.4	0.6								1.4	0.6	
	4	9.3	3.7								9.3	3.7	
	ALL	3.7	3.8	25.3	11.1	2.3	0.8	59.9	17.5	5.7	3.5	18.1	23.3
GUNNER	1					9.6	9.4	74.8	3.7	4.2	3.0	29.6	35.4
	2							32.8	2.4	7.4	0.7	20.1	14.7
	3							53.8	24.4	5.8	2.6	25.8	28.2
	4												
	ALL												
LOADER	1	9.5	10.5	8.5	0.7	4.7	4.3	63.0	57.9	5.3	4.5	18.2	30.9
	2	2.7		31.1	12.6			49.5	4.4	7.9	4.4	26.3	19.8
	3	11.5	0.4									11.5	0.4
	4	7.8	8.6									7.8	8.6
	ALL	8.6	6.3	22.1	15.3	4.7	4.3	56.3	34.4	6.6	4.0	19.6	24.1
ALL	DAY												
	1	6.1	6.3	11.9	8.0	4.8	5.0	62.1	26.8	5.1	3.1	19.2	27.1

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

65

ALL

		COMBINATION OF FORT & VEHICLE TYPE																					
		STILL-M109				BENNING-N3				KNOX-M60				CARSON-M60				KNOX-M1				ALL	
		MG		MEAN		STD		MG		MEAN		STD		MG		MEAN		STD		MG			
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD		
POSITION		DAY																					
COMMANDER	1	5.7	3.9	7.2	4.7	3.1	1.4	62.1	24.3	3.5	1.0	16.8	26.1										
	2	6.0	5.6	27.2	15.1	.	.	54.1	15.4	4.4	2.8	23.8	23.3										
	3	6.9	9.9	.	.	.	.	.	.	.	.	6.9	9.9										
	4	1.2	0.5	.	.	.	.	.	.	.	.	1.2	0.5										
	ALL	5.0	5.8	19.7	15.6	3.1	1.4	57.7	18.9	4.0	2.1	17.5	23.4										
DRIVER		DAY																					
1	1.6	0.6	15.8	8.9	1.9	0.8	58.2	7.8	4.3	4.3	16.3	22.7											
2	2.6	0.1	27.3	8.2	.	.	58.8	17.4	3.4	2.1	25.2	25.6											
3	1.2	0.4	.	.	.	.	.	.	.	.	1.2	0.4											
4	6.7	4.5	.	.	.	.	.	.	.	.	6.7	4.5											
ALL	3.0	3.0	22.2	10.0	1.9	0.8	58.5	13.2	3.8	3.2	17.7	22.9											
GUNNER		DAY																					
1	.	.	.	.	9.6	9.4	74.8	3.7	4.2	3.0	29.6	35.4											
2	.	.	.	.	.	.	32.8	2.4	7.4	0.7	20.1	14.7											
ALL	.	.	.	.	9.6	9.4	53.8	24.4	5.8	2.6	25.8	28.2											
LOADER		DAY																					
1	5.5	7.6	14.1	14.2	4.3	2.9	68.8	34.1	4.7	3.0	19.5	29.7											
2	4.6	2.7	77.5	72.7	.	.	60.3	18.2	5.7	3.1	44.7	52.2											
3	6.9	5.4	.	.	.	.	.	.	.	.	6.9	5.4											
4	5.3	5.9	.	.	.	.	.	.	.	.	5.3	5.9											
ALL	5.7	5.4	52.2	63.8	4.3	2.9	64.1	25.0	5.3	2.9	27.0	40.4											
ALL		DAY																					
1	4.3	4.9	12.9	10.1	4.0	4.0	64.7	21.4	4.2	2.8	18.7	26.8											

(CONTINUED)

CONCENTRATION (FIRLCONC) OF SELECTED METALS (UG/M3)

ALL		COMBINATION OF FORI & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		MG	MG	MG	MG	MG	MG						
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
DAY													
2		4.3	3.7	46.1	49.7			54.8	17.1	4.9	2.7	30.4	35.5
3		5.0	6.5									5.0	6.5
4		4.4	4.6									4.4	4.6
ALL		4.5	4.9	32.6	41.7	4.0	4.0	59.3	19.5	4.6	2.7	21.1	29.9

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE	GENERAL AREA	COMBINATION OF FORT & VEHICLE TYPE											
		SB	SB	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	SB	SB	SB	SB	SB
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
POSITION	DAY												
COMMANDER	1	2.0	0.3	2.0	5.5	2.0	5.4	2.0	17.8	2.0	1.4	10.0	17.8
	2	2.0	2.5	3.0	3.8	.	.	3.0	32.3	3.0	0.3	11.0	32.3
	3	2.0	0.1	.	.	.	.	.	.	.	.	2.0	0.1
	4	2.0	0.2	.	.	.	.	.	.	.	.	2.0	0.2
ALL		8.0	2.5	5.0	5.5	2.0	5.4	5.0	32.3	5.0	1.4	25.0	32.3
DRIVER	DAY												
	1	2.0	0.1	2.0	4.5	2.0	2.3	2.0	7.2	2.0	6.0	10.0	7.2
	2	2.0	1.7	3.0	4.6	.	.	3.0	31.3	2.0	0.2	10.0	31.3
	3	2.0	0.1	.	.	.	.	.	.	.	.	2.0	0.1
ALL		8.0	1.7	5.0	14.6	2.0	2.3	5.0	31.3	4.0	6.0	24.0	31.3
LOADER	DAY												
	1	2.0	0.1	2.0	3.5	2.0	7.6	2.0	28.4	2.0	1.8	10.0	28.4
	2	1.0	0.2	3.0	26.4	.	.	3.0	8.8	3.0	0.2	10.0	26.4
	3	2.0	0.4	.	.	.	.	.	.	.	.	2.0	0.4
ALL		7.0	0.4	5.0	26.4	2.0	7.6	5.0	28.4	5.0	1.8	24.0	28.4
ALL	DAY												
	1	6.0	0.3	6.0	5.5	6.0	7.6	6.0	28.4	6.0	6.0	30.0	28.4
	2	5.0	2.5	9.0	26.4	.	.	9.0	32.3	8.0	0.3	31.0	32.3
	3	6.0	0.4	.	.	.	.	.	.	.	.	6.0	0.4
ALL		6.0	0.3	.	.	.	.	.	.	.	.	6.0	0.3

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
		ALL			SB			SB			SB		
		# OF VEHS.	MAX	# OF VEHS.	# OF VEHS.	MAX	# OF VEHS.	# OF VEHS.	MAX	# OF VEHS.	# OF VEHS.	MAX	# OF VEHS.
POSITION DAY													
COMMANDER	1	2.0	0.4	1.0	1.6	2.0	2.8	2.0	11.4	2.0	1.4	9.0	11.4
	2	2.0	1.3	2.0	6.0			2.0	4.1	2.0	0.3	8.0	6.0
	3	2.0	0.0									2.0	0.0
	4	2.0	0.2									2.0	0.2
	ALL	8.0	1.3	3.0	6.0	2.0	2.8	4.0	11.4	4.0	1.4	21.0	11.4
	DAY												
DRIVER	1	2.0	0.3	2.0	3.0	2.0	4.5	2.0	14.8	2.0	2.6	10.0	14.8
	2	2.0	0.2	2.0	2.2			2.0	13.1	2.0	1.2	8.0	13.1
	3	2.0	0.1									2.0	0.1
	4	2.0	0.4									2.0	0.4
	ALL	8.0	0.4	4.0	3.0	2.0	4.5	4.0	14.8	4.0	2.6	22.0	14.8
	DAY												
GUNNER	1					2.0	5.3	2.0	36.8	2.0	2.4	6.0	36.8
	2							2.0	34.0	2.0	0.3	4.0	34.0
	ALL					2.0	5.3	4.0	36.8	4.0	2.4	10.0	36.8
	DAY												
	1	2.0	1.6	2.0	3.1	2.0	3.7	2.0	4.7	2.0	1.5	10.0	4.7
	2	1.0	0.4	3.0	5.1			2.0	23.1	2.0	0.3	8.0	23.1
LOADER	3	2.0	0.3									2.0	0.3
	4	2.0	0.4									2.0	0.4
	ALL	7.0	1.6	5.0	9.1	2.0	3.7	4.0	23.1	4.0	1.5	22.0	23.1
	DAY												
	1												
	2												

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE																	
COMBINATION OF FORT & VEHICLE TYPE																	
	SILL-M109				BENNING-M3				KNOX-M60				CARSON-M60		KNOX-M1		ALL
	SB	MAX	# OF VEHS.	# OF VEHS.	SB	MAX	# OF VEHS.	# OF VEHS.	SB	MAX	# OF VEHS.	# OF VEHS.	SB	MAX	# OF VEHS.	# OF VEHS.	
DAY																	
1		6.0	1.6	5.0	3.1	8.0	5.3	8.0	36.8	8.0	2.6	35.0				36.8	
2		5.0	1.3	7.0	6.0	.1	.1	8.0	34.0	8.0	1.2	28.0				34.0	
3		6.0	0.3	.1	.1	.1	.1	.1	.1	.1	.1	6.0				0.3	
4		6.0	0.4	.1	.1	.1	.1	.1	.1	.1	.1	6.0				0.4	
ALL		23.0	1.6	12.0	6.0	8.0	5.3	16.0	36.8	16.0	2.6	75.0				36.8	

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

71

ALL

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
		SB			SB			SB			SB		
		# OF VEH.	MAX	# OF VEH.	# OF VEH.	MAX	# OF VEH.	# OF VEH.	MAX	# OF VEH.	# OF VEH.	MAX	# OF VEH.
POSITION DAY													
COMMANDER	1	4.0	0.4	3.0	5.5	4.0	5.4	4.0	17.8	4.0	1.4	19.0	17.8
	2	4.0	2.5	5.0	6.0			5.0	32.3	5.0	0.3	19.0	32.3
	3	4.0	0.1									4.0	0.1
	4	4.0	0.2									4.0	0.2
	ALL	16.0	2.5	8.0	6.0	4.0	5.4	9.0	32.3	9.0	1.4	46.0	32.3
DRIVER	1	4.0	0.3	4.0	4.5	4.0	4.5	4.0	14.8	4.0	6.0	20.0	14.8
	2	4.0	1.7	5.0	14.6			5.0	31.3	4.0	1.2	18.0	31.3
	3	4.0	0.1									4.0	0.1
	4	4.0	0.4									4.0	0.4
	ALL	16.0	1.7	9.0	14.6	4.0	4.5	9.0	31.3	8.0	6.0	46.0	31.3
GUNNER	1												
	2												
	3												
	4												
	ALL												
LOADER	1	4.0	1.6	4.0	3.5	4.0	7.6	4.0	28.4	4.0	1.8	20.0	28.4
	2	2.0	0.4	6.0	26.4			5.0	23.1	5.0	0.3	18.0	26.4
	3	4.0	0.4									4.0	0.4
	4	4.0	0.4									4.0	0.4
	ALL	14.0	1.6	10.0	26.4	4.0	7.6	9.0	28.4	9.0	1.8	46.0	28.4

(CONTINUED)

CONCENTRATION (FIRE CONC.) OF SELECTED METALS (UG/M3)

ALL

COMBINATION OF FORD & VEHICLE TYPE													
STILL-M109		BINNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
SB		SB		SB		SB		SB		SB		SB	
# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
1 DAY													
1	12.0	1.6	11.0	5.5	14.0	7.6	14.0	36.8	14.0	6.0	65.0	36.8	
2	10.0	2.5	16.0	26.4	.	17.0	34.0	16.0	1.2	59.0	34.0		
3	12.0	0.4	.	.	.	.	.	.	.	12.0	0.4		
4	12.0	0.4	.	.	.	.	.	.	.	12.0	0.4		
ALL	46.0	7.5	27.0	26.4	14.0	7.6	31.0	36.8	30.0	6.0	148.0	36.8	

CONCENTRATION (FIRCONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	SB	SB	SB	SB	SB	SB
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY													
COMMANDER	1	0.2	0.2	3.7	2.5	4.8	0.9	10.7	10.0	0.8	0.9	4.0	5.3
	2	1.3	1.7	2.6	1.4	.	.	17.5	15.4	0.2	0.1	5.8	10.3
	3	0.1	0.0	.	.	.	.	.	.	.	.	0.1	0.0
	4	0.2	0.1	.	.	.	.	.	.	.	.	0.2	0.1
	ALL	0.5	0.8	3.0	1.7	4.8	0.9	14.8	12.5	0.4	0.6	4.2	7.6
DRIVER DAY													
1	1	0.1	0.1	2.9	2.2	2.1	0.3	4.7	3.5	3.7	3.3	2.7	2.4
	2	1.0	1.1	5.7	7.7	.	.	13.4	16.0	0.2	0.0	5.9	10.1
	3	0.1	0.1	.	.	.	.	.	.	.	.	0.1	0.1
	4	0.1	0.0	.	.	.	.	.	.	.	.	0.1	0.0
	ALL	0.3	0.6	4.6	5.8	2.1	0.3	9.9	12.4	2.0	2.8	3.6	6.9
LOADER DAY													
1	1	0.1	0.1	3.3	0.4	7.1	0.7	15.8	17.9	1.7	0.1	5.6	8.4
	2	0.2	.	11.3	13.4	.	.	5.0	4.0	0.1	0.1	4.9	8.2
	3	0.3	0.2	.	.	.	.	.	.	.	.	0.3	0.2
	4	0.2	0.1	.	.	.	.	.	.	.	.	0.2	0.1
	ALL	0.2	0.1	8.1	10.4	7.1	0.7	9.3	11.1	3	0.9	4.4	7.6
ALL DAY													
1	1	0.1	0.1	3.3	1.6	4.6	2.3	10.4	10.5	2.1	2.0	4.1	5.8
	2	1.0	1.1	6.5	8.6	.	.	12.0	12.6	0.2	0.1	5.6	9.3
	3	0.2	0.1	.	.	.	.	.	.	.	.	0.2	0.1
	4	0.1	0.1	.	.	.	.	.	.	.	.	0.1	0.1
	ALL	0.3	0.6	5.2	6.8	4.6	2.3	11.4	11.4	1.0	1.6	4.1	7.3

CONCENTRATION (FIRLCONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
		SB			SB			SB			SB		
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY												
COMMANDER	1	0.3	0.2	1.6		1.7	1.5	8.1	4.6	1.3	0.1	2.7	3.6
	2	1.2	0.2	3.9	3.0			3.8	0.3	0.2	0.1	2.3	2.1
	3	0.0	0.0									0.0	0.0
	4	0.1	0.1									0.1	0.1
	ALL	0.4	0.5	3.1	2.5	1.7	1.5	6.0	3.7	0.8	0.6	2.1	2.8
DRIVER	1	0.2	0.2	2.7	0.5	3.5	1.4	10.0	6.7	2.2	0.6	3.7	4.2
	2	0.2	0.0	1.8	0.6			7.3	8.2	0.8	0.6	2.5	4.3
	3	0.1	0.0									0.1	0.0
	4	0.3	0.1									0.3	0.1
	ALL	0.2	0.1	2.2	0.7	3.5	1.4	8.7	6.3	1.5	1.0	2.6	3.9
GUNNER	1					3.0	3.2	20.0	23.7	2.2	0.2	8.4	14.0
	2							17.3	23.6	0.2	0.1	8.7	16.8
	3					3.0	3.2	18.7	19.4	1.2	1.2	8.6	14.3
	4												
	ALL												
LOADER	1	0.9	1.0	2.4	1.0	3.5	0.2	4.3	0.5	1.1	0.6	2.5	1.5
	2	0.4		3.7	2.3			16.2	9.8	0.2	0.1	5.5	7.8
	3	0.2	0.1									0.2	0.1
	4	0.4	0.0									0.4	0.0
	ALL	0.5	0.5	3.2	1.8	3.5	0.2	10.3	8.9	0.6	0.6	3.2	5.0
ALL	1	0.5	0.6	2.4	0.7	3.0	1.7	10.6	11.3	1.7	0.6	3.9	6.5

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

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SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE																	
		SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60			KNOX-M1			ALL		
		SB			SB			SB			SB			SB			SB		
		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD	
ALL	DAY																		
	2	0.6	0.6		3.2	2.0					11.1	11.9		0.4	0.4		4.2	7.7	
	3	0.1	0.1														0.1	0.1	
	4	0.3	0.1														0.3	0.1	
	ALL	0.4	0.4		2.9	1.6		3.0	1.7		10.9	11.2		1.0	0.9		3.4	6.5	

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	SB	SB	SB	SB	SB	SB
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY													
COMMANDER	1	0.2	0.2	3.0	2.2	3.3	2.0	9.4	6.5	1.0	0.6	3.4	4.5
	2	1.3	1.0	3.1	1.9	.	.	12.1	13.2	0.2	0.1	4.3	8.0
	3	0.1	0.1	.	.	.	.	.	.	.	.	0.1	0.1
	4	0.1	0.1	.	.	.	.	.	.	.	.	0.1	0.1
	ALL	0.4	0.7	3.1	1.9	3.3	2.0	10.9	10.3	0.6	0.6	3.2	6.0
DRIVER													
1	1	0.1	0.1	2.8	1.3	2.8	1.2	7.4	5.3	2.9	2.1	3.2	3.4
	2	0.6	0.8	4.1	5.9	.	.	10.9	12.5	0.5	0.5	4.4	8.0
	3	0.1	0.0	.	.	.	.	.	.	.	.	0.1	0.0
	4	0.2	0.1	.	.	.	.	.	.	.	.	0.2	0.1
	ALL	0.3	0.4	3.5	4.3	2.8	1.2	9.4	9.6	1.7	1.9	3.2	5.6
GUNNER													
1	1	.	.	.	.	3.0	3.2	20.0	23.7	2.2	0.2	8.4	14.0
	2	.	.	.	.	.	.	17.3	23.6	0.2	0.1	8.7	16.8
	3	.	.	.	.	3.0	3.2	18.7	19.4	1.2	1.2	3.6	14.3
	4	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	.	.	.	.	.	.	.	.	.	.	.	.
LOADER													
1	1	0.5	0.7	2.9	0.8	5.3	2.1	10.0	12.3	1.4	0.5	4.0	6.1
	2	0.3	0.1	7.5	9.5	.	.	9.5	8.3	0.2	0.1	5.2	7.8
	3	0.2	0.1	.	.	.	.	.	.	.	.	0.2	0.1
	4	0.3	0.1	.	.	.	.	.	.	.	.	0.3	0.1
	ALL	0.3	0.4	5.6	7.5	5.3	2.1	9.7	9.6	0.7	0.7	3.8	6.4
ALL													
1	1	0.3	0.4	2.9	1.3	3.7	2.1	10.5	10.6	1.9	1.4	4.0	6.1
	2	.	.	.	.	.	.	.	.	.	.	.	.

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

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ALL	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
	SB	MEAN	STD	SB	MEAN	STD	SB	MEAN	STD	SB	MEAN	STD
ALL	0.8	0.8	0.1	5.1	6.7	11.6	11.9	0.3	0.3	4.9	8.5	0.1
DAY	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
3	0.3	0.5	0.2	4.2	5.2	11.1	11.1	1.0	1.2	3.7	6.9	0.1
ALL	0.3	0.5	0.2	4.2	5.2	11.1	11.1	1.0	1.2	3.7	6.9	0.1

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
		SR	# OF VEHS.	MAX	SR	# OF VEHS.	MAX	SR	# OF VEHS.	MAX	SR	# OF VEHS.	MAX
POSITION/DAY													
COMMANDER	1	2.0	0.1	2.0	2.8	2.0	2.2	2.0	2.0	2.6	2.0	0.2	10.0
	2	2.0	0.2	3.0	5.7	.1	.1	3.0	2.0	3.0	0.8	11.0	5.7
	3	2.0	1.2	.1	.1	.1	.1	.1	.1	.1	.1	2.0	1.2
	4	2.0	1.0	.1	.1	.1	.1	.1	.1	.1	.1	2.0	1.0
	ALL	8.0	1.2	5.0	5.7	2.0	2.2	5.0	2.6	5.0	0.8	25.0	5.7
DRIVER	1	2.0	0.1	2.0	2.2	2.0	1.2	2.0	1.8	2.0	0.7	10.0	2.2
	2	2.0	0.2	3.0	6.4	.1	.1	3.0	2.3	2.0	0.4	10.0	6.4
	3	2.0	1.0	.1	.1	.1	.1	.1	.1	.1	.1	2.0	1.0
	4	2.0	1.0	.1	.1	.1	.1	.1	.1	.1	.1	2.0	1.0
	ALL	8.0	1.0	5.0	6.4	2.0	1.2	5.0	2.3	4.0	0.7	24.0	6.4
LOADER	1	2.0	0.1	2.0	1.1	2.0	2.7	2.0	2.3	2.0	1.2	10.0	2.7
	2	1.0	0.2	3.0	10.1	.1	.1	3.0	2.6	3.0	0.7	10.0	10.1
	3	2.0	1.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0	1.1
	4	2.0	1.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0	1.1
	ALL	7.0	1.1	5.0	10.1	2.0	2.7	5.0	2.6	5.0	1.2	24.0	10.1
ALL	1	6.0	0.1	6.0	2.8	6.0	2.7	6.0	2.6	6.0	1.1	30.0	2.8
	2	5.0	0.2	9.0	10.1	.1	.1	9.0	2.6	8.0	0.8	31.0	10.1
	3	6.0	1.2	.1	.1	.1	.1	.1	.1	.1	.1	6.0	1.2
	4	6.0	1.1	.1	.1	.1	.1	.1	.1	.1	.1	6.0	1.1
	ALL	23.0	2.4	20.0	32.9	13.0	5.5	20.0	7.3	22.0	2.9	93.0	23.9

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

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SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORI & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		SR	SR	SR	SR	SR	SR						
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
ALL	FALL	23.01	1.21	15.01	10.11	6.01	2.71	15.01	2.61	14.01	1.21	73.01	10.11

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE													
SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
SR		SR		SR		SR		SR		SR			
# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY													
COMMAND-1	2.0	0.1	1.0	0.8	2.0	1.0	2.0	2.0	0.7	9.0	2.0		
2	2.0	0.2	2.0	9.3	.	2.0	4.6	2.0	0.7	8.0	9.3		
3	2.0	1.1	.	.	.	.	.	.	.	2.0	1.1		
4	2.0	1.0	.	.	.	.	.	.	.	2.0	1.0		
ALL	8.0	1.1	3.0	9.3	2.0	1.0	4.0	4.6	0.7	21.0	9.3		
DRIVER													
1	2.0	0.1	2.0	1.6	2.0	1.1	2.0	1.7	2.0	1.2	10.0	1.7	
2	2.0	0.2	2.0	2.4	.	2.0	1.7	2.0	0.2	8.0	2.4		
3	2.0	1.8	.	.	.	.	.	.	.	2.0	1.8		
4	2.0	1.4	.	.	.	.	.	.	.	2.0	1.4		
ALL	8.0	1.8	4.0	2.4	2.0	1.1	4.0	1.7	4.0	1.2	22.0	2.4	
GUNNER													
1	.	.	.	.	2.0	1.4	2.0	2.5	2.0	1.3	6.0	2.5	
2	.	.	.	.	.	.	2.0	1.7	2.0	0.2	4.0	1.7	
ALL	.	.	.	.	2.0	1.4	4.0	2.5	4.0	1.3	10.0	2.5	
LOADER													
1	2.0	0.4	2.0	1.9	2.0	2.6	2.0	2.3	2.0	1.3	10.0	2.6	
2	1.0	0.2	3.0	6.9	.	2.0	1.7	2.0	0.7	8.0	6.9		
3	2.0	1.2	.	.	.	.	.	.	.	2.0	1.2		
4	2.0	1.7	.	.	.	.	.	.	.	2.0	1.7		
ALL	7.0	1.7	5.0	6.9	2.0	2.6	4.0	2.3	4.0	1.3	22.0	6.9	

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

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SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE													
		SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		SR		SR		SR		SR		SR		SR	
		# OF		# OF		# OF		# OF		# OF		# OF	
		VEHS.	MAX	VEHS.	MAX	VEHS.	MAX	VEHS.	MAX	VEHS.	MAX	VEHS.	MAX
ALL	1 DAY												
	1	6.0	0.4	5.0	1.9	8.0	2.6	8.0	2.5	8.0	1.3	35.0	2.6
	2	5.0	0.2	7.0	9.3			8.0	4.6	8.0	0.7	28.0	9.3
	3	6.0	1.8									6.0	1.8
	4	6.0	1.7									6.0	1.7
	ALL	23.0	1.8	12.0	9.3	8.0	2.6	16.0	4.6	16.0	1.3	75.0	9.3

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE													
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	SR	SR	SR	SR	SR	SR	SR	SR
	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
POSITION	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
COMMANDER	1	4.0	0.1	3.0	2.8	4.0	2.2	4.0	2.6	4.0	0.7	19.0	2.8	2.8
	2	4.0	0.2	5.0	9.3	.	.	5.0	4.6	5.0	0.8	19.0	9.3	9.3
	3	4.0	1.2	.	.	.	.	.	.	.	.	4.0	1.2	1.2
	4	4.0	1.0	.	.	.	.	.	.	.	.	4.0	1.0	1.0
	ALL	16.0	1.2	8.0	9.3	4.0	2.2	9.0	4.6	9.0	0.8	46.0	9.3	9.3
DRIVER	1	4.0	0.1	4.0	2.2	4.0	1.2	4.0	1.8	4.0	1.2	20.0	2.2	2.2
	2	4.0	0.2	5.0	6.4	.	.	5.0	2.3	4.0	0.7	18.0	6.4	6.4
	3	4.0	1.8	.	.	.	.	.	.	.	.	4.0	1.8	1.8
	4	4.0	1.4	.	.	.	.	.	.	.	.	4.0	1.4	1.4
	ALL	16.0	1.8	9.0	6.4	4.0	1.2	9.0	2.3	8.0	1.2	46.0	6.4	6.4
GUNNER	1	.	.	.	.	2.0	1.4	2.0	2.5	2.0	1.3	6.0	2.5	2.5
	2	.	.	.	.	.	.	2.0	1.7	2.0	0.2	4.0	1.7	1.7
	3	.	.	.	.	2.0	1.4	4.0	2.5	4.0	1.3	10.0	2.5	2.5
	4	.	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	4.0	0.4	4.0	1.9	4.0	2.7	4.0	2.3	4.0	1.3	20.0	2.7	2.7
LOADER	1	2.0	0.2	6.0	10.1	.	.	5.0	2.6	5.0	0.7	18.0	10.1	10.1
	2	4.0	1.2	.	.	.	.	.	.	.	.	4.0	1.2	1.2
	3	4.0	1.7	.	.	.	.	.	.	.	.	4.0	1.7	1.7
	4	4.0	1.7	.	.	.	.	.	.	.	.	4.0	1.7	1.7
	ALL	14.0	1.7	10.0	10.1	4.0	2.7	9.0	2.6	9.0	1.3	46.0	10.1	10.1

(CONTINUED)

CONCENTRATION (FIRE CONC) OF SELECTED METALS (UG/M3)

ALL

COMBINATION OF FORT & VEHICLE TYPE													
SILL-M109		BLUNTING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
SR		SR		SR		SR		SR		SR		SR	
# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
1 DAY													
1	12.0	0.4	11.0	2.8	14.0	2.7	14.0	2.6	14.0	1.3	65.0	2.8	
2	10.0	0.2	16.0	10.1	.	.	17.0	4.6	16.0	0.8	59.0	10.1	
3	12.0	1.8	.	.	.	.	.	.	.	.	12.0	1.8	
4	12.0	1.7	.	.	.	.	.	.	.	.	12.0	1.7	
ALL	46.0	1.8	27.0	10.1	14.0	2.7	31.0	4.6	30.0	1.3	148.0	10.1	

CONCENTRATION (P/P) OF SELECTED METALS (UG/M3)

SAMPLE TYPE		GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE																							
				STILL-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL			
				SR		SR		SR		SR		SR		SR		SR		SR		SR		SR		SR			
				MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD		
POSITION		DAY																									
COMMANDER	1	0.1	0.1	1.9	1.3	1.7	0.7	2.3	0.4	0.2	0.1	1.2	1.1														
	2	0.2	0.0	3.4	2.2			1.8	0.2	0.4	0.3	1.6	1.7														
	3	1.2	0.1									1.2	0.1														
	4	1.0	0.1									1.0	0.1														
	ALL	0.6	0.5	2.8	1.9	1.7	0.7	2.0	0.4	0.3	0.3	1.4	1.3														
DRIVER	1	0.1	0.1	1.5	0.9	0.9	0.4	1.7	0.1	0.5	0.3	0.9	0.7														
	2	0.2	0.0	3.0	3.0			2.0	0.5	0.2	0.2	1.6	1.9														
	3	1.0	0.0									1.0	0.0														
	4	0.9	0.0									0.9	0.0														
	ALL	0.6	0.5	2.4	2.3	0.9	0.4	1.9	0.4	0.3	0.3	1.2	1.3														
LOADER	1	0.1	0.1	1.0	0.0	2.0	0.9	2.3	0.1	0.9	0.4	1.3	0.9														
	2	0.2		6.6	5.0			2.3	0.3	0.3	0.3	2.8	3.6														
	3	1.1	0.0									1.1	0.0														
	4	1.0	0.1									1.0	0.1														
	ALL	0.6	0.5	4.4	4.7	2.0	0.9	2.3	0.2	0.5	0.5	1.9	2.5														
ALL	1	0.1	0.0	1.5	0.8	1.6	0.8	2.1	0.3	0.5	0.4	1.2	0.9														
	2	0.2	0.0	4.4	3.5			2.0	0.4	0.3	0.3	2.0	2.5														
	3	1.1	0.1									1.1	0.1														
	4	1.0	0.1									1.0	0.1														
	ALL	0.6	0.5	3.2	3.1	1.6	0.8	2.1	0.4	0.4	0.3	1.5	1.8														

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

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SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE																
		SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60			KNOX-M1			ALL	
		SR			SR			SR			SR			SR			SR	
		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD
POSITION	DAY																	
COMMANDER	1	0.1	0.1	0.8				0.6	0.7	1.3	1.1	0.5	0.4				0.6	0.6
	2	0.2	0.0	5.4	5.5					3.0	2.3	0.4	0.4				2.2	3.2
	3	1.1	0.0														1.1	0.0
	4	1.0	0.0														1.0	0.0
	ALL	0.6	0.5	3.9	4.7	0.6	0.7	2.1	1.8	0.4	0.3	1.3	2.1					
DRIVER	1	0.1	0.1	1.3	0.4	1.0	0.1	1.4	0.3	1.0	0.2	1.0	0.2				1.0	0.5
	2	0.2	0.0	1.8	0.9			1.6	0.2	0.1	0.0	0.9	0.9				0.9	0.9
	3	1.4	0.6														1.4	0.6
	4	1.3	0.2														1.3	0.2
	ALL	0.8	0.7	1.5	0.6	1.0	0.1	1.5	0.2	0.6	0.5	1.0	0.7					
GUNNER	1							0.9	0.7	2.5	0.0	1.1	0.3	1.5	0.8			
	2									1.5	0.2	0.2	0.0	0.9	0.8			
	3																	
	4																	
	ALL							0.9	0.7	2.0	0.6	0.6	0.6	1.2	0.8			
LOADER	1	0.2	0.2	1.4	0.7	1.7	1.2	1.4	1.3	0.8	0.8	1.1	0.9					
	2	0.2		4.6	3.3					1.7	0.1	0.4	0.4	2.3	2.6			
	3	1.1	0.0														1.1	0.0
	4	1.5	0.4														1.5	0.4
	ALL	0.8	0.6	3.3	2.9	1.7	1.2	1.6	0.8	0.6	0.5	1.6	1.7					
ALL	DAY																	
	1	0.1	0.1	1.2	0.5	1.1	0.7	1.7	0.8	0.8	0.4	1.0	0.8					

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE		COMBINATION OF FORT & VEHICLE TYPE																	
		SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60			KNOX-M1			ALL		
		SR			SR			SR			SR			SR			SR		
		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD	
ALL	DAY																		
	2	0.2	0.0	4.0	3.3			1.9	1.1	0.3	0.2	1.7	2.3						
	3	1.2	0.3										0.3						
	4	1.2	0.3																
ALL		0.7	0.6	2.9	2.9	1.1	0.7	1.8	0.9	0.6	0.4	1.3	1.5						

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

87

ALL	COMBINATION OF FORI & VEHICLE TYPE															
	SILL-M109				BENNING-M3				KNOX-M60				CARSON-M60			
	SR	STD	MEAN	SID	SR	STD	MEAN	SID	SR	STD	MEAN	SID	SR	STD	MEAN	SID
POSITION	DAY															
COMMANDER	1	0.1	0.0	1.5	1.1	1.1	0.9	1.8	0.9	0.3	0.3	0.3	0.9	0.3	0.9	0.9
	2	0.2	0.0	4.2	3.4			2.2	1.3	0.4	0.3	1.8	2.4			
	3	1.1	0.1													
	4	1.0	0.0													
	ALL	0.6	0.5	3.2	2.9	1.1	0.9	2.0	1.1	0.4	0.3	1.3	1.7			
DRIVER	1	0.1	0.0	1.4	0.6	1.0	0.3	1.6	0.3	0.7	0.4	1.0	0.6			
	2	0.2	0.0	2.5	2.3			1.8	0.4	0.2	0.1	1.3	1.5			
	3	1.2	0.4													
	4	1.1	0.2													
	ALL	0.7	0.6	2.0	1.7	1.0	0.3	1.7	0.3	0.5	0.4	1.1	1.0			
GUNNER	1															
	2															
	3															
	4															
	ALL															
LOADER	1	0.2	0.1	1.2	0.5	1.9	0.9	1.9	0.9	0.9	0.5	1.2	0.9			
	2	0.2	0.0	5.6	3.9			2.1	0.4	0.3	0.3	2.6	3.2			
	3	1.1	0.0													
	4	1.2	0.4													
	ALL	0.7	0.6	3.8	3.7	1.9	0.9	2.0	0.6	0.6	0.5	1.7	2.1			
ALL	DAY															
1		0.1	0.1	1.4	0.7	1.3	0.8	1.9	0.7	0.7	0.4	1.1	0.8			

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE													
	SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
	SR	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	SR	STD	MEAN	STD
DAY														
2	0.2	0.0	4.2	3.3	.	.	2.0	0.8	0.3	0.3	1.8	2.4		
3	1.2	0.2	.	.	.	.	.	.	.	.	1.2	0.2		
4	1.1	0.3	.	.	.	.	.	.	.	.	1.1	0.3		
ALL	0.7	0.5	3.1	2.9	1.3	0.8	1.9	0.7	0.5	0.4	1.4	1.6		

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

89

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		TI	TI	TI	TI	TI	TI						
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY													
COMMANDER	1	2.0	1.5	2.0	6.3	2.0	2.3	2.0	8.5	2.0	4.8	10.0	8.5
	2	2.0	0.9	3.0	8.5	.	.	3.0	8.3	3.0	2.6	11.0	8.5
	3	2.0	1.2	.	.	.	.	.	.	.	.	2.0	1.2
	4	2.0	1.0	.	.	.	.	.	.	.	.	2.0	1.0
	ALL	8.0	1.5	5.0	8.5	2.0	2.3	5.0	8.5	5.0	4.8	25.0	8.5
DRIVER													
1	1	2.0	2.1	2.0	5.8	2.0	0.8	2.0	5.6	2.0	2.6	10.0	5.8
	2	2.0	0.9	3.0	10.2	.	.	3.0	7.1	2.0	1.6	10.0	10.2
	3	2.0	1.0	.	.	.	.	.	.	.	.	2.0	1.0
	4	2.0	1.0	.	.	.	.	.	.	.	.	2.0	1.0
	ALL	8.0	2.1	5.0	10.2	2.0	0.8	5.0	7.1	4.0	2.6	24.0	10.2
LOADER													
1	1	2.0	0.7	2.0	10.7	2.0	2.4	2.0	8.5	2.0	6.9	10.0	10.7
	2	1.0	0.8	3.0	49.9	.	.	3.0	7.9	3.0	2.2	10.0	49.9
	3	2.0	1.1	.	.	.	.	.	.	.	.	2.0	1.1
	4	2.0	1.2	.	.	.	.	.	.	.	.	2.0	1.2
	ALL	7.0	1.2	5.0	49.9	2.0	2.4	5.0	8.5	5.0	6.9	24.0	49.9
ALL													
1	1	6.0	2.1	6.0	10.7	6.0	2.4	6.0	8.5	6.0	6.9	30.0	10.7
	2	5.0	0.9	9.0	49.9	.	.	9.0	8.3	8.0	2.6	31.0	49.9
	3	6.0	1.2	.	.	.	.	.	.	.	.	6.0	1.2
	4	6.0	1.2	.	.	.	.	.	.	.	.	6.0	1.2
	ALL	24.0	1.2	24.0	10.7	24.0	2.4	24.0	8.5	24.0	6.9	121.0	10.7

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

91

SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE														
		SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL		
		II		II		II		II		II		II		
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	
POSITION DAY														
COMMANDER	1	2.0	2.1	1.0	1.6	2.0	2.0	5.1	2.0	3.2	9.0	5.1		
	2	2.0	1.8	2.0	13.0	.	2.0	10.2	2.0	2.8	8.0	13.0		
	3	2.0	1.1	.	.	.	.	.	.	.	2.0	1.1		
	4	2.0	1.0	.	.	.	.	.	.	.	2.0	1.0		
	ALL	8.0	2.1	3.0	13.0	2.0	4.0	10.2	4.0	3.2	21.0	13.0		
DRIVER	DAY													
	1	2.0	0.7	2.0	9.5	2.0	1.6	8.3	2.0	3.7	10.0	9.5		
	2	2.0	0.9	2.0	12.2	.	2.0	5.6	2.0	1.9	8.0	12.2		
	3	2.0	1.8	.	.	.	.	.	.	.	2.0	1.8		
	4	2.0	4.3	.	.	.	.	.	.	.	2.0	4.3		
ALL	8.0	4.3	4.0	12.2	2.0	1.6	8.3	4.0	3.7	22.0	12.2			
	GUNNER	DAY												
		1	.	.	.	.	2.0	2.5	10.0	2.0	4.8	6.0	10.0	
		2	.	.	.	.	.	.	6.9	2.0	2.2	4.0	6.9	
		ALL	.	.	.	.	2.0	2.5	10.0	4.0	4.8	10.0	10.0	
LOADER		DAY												
	1	2.0	2.1	2.0	4.5	2.0	1.9	14.1	2.0	5.3	10.0	14.1		
	2	1.0	0.9	3.0	13.3	.	2.0	5.8	2.0	2.5	8.0	13.3		
	3	2.0	1.2	.	.	.	.	.	.	.	2.0	1.2		
	4	2.0	1.7	.	.	.	.	.	.	.	2.0	1.7		
ALL	7.0	2.1	5.0	13.3	2.0	1.9	14.1	4.0	5.3	22.0	14.1			

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		TI	TI	TI	TI	TI	TI	TI	TI	TI	TI	TI	TI
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
ALL	DAY												
	1	6.0	2.1	5.0	9.5	8.0	2.5	8.0	14.1	8.0	5.3	35.0	14.1
	2	5.0	1.8	7.0	13.3			8.0	10.2	8.0	2.8	28.0	13.3
	3	6.0	1.8									6.0	1.8
	4	6.0	4.3									6.0	4.3
	ALL	23.0	4.3	12.0	13.3	8.0	2.5	16.0	14.1	16.0	5.3	75.0	14.1

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

93

ALL

COMBINATION OF FORT & VEHICLE TYPE													
		SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		TI		TI		TI		TI		TI		TI	
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION	DAY												
COMMANDER	1	4.0	2.1	3.0	6.3	4.0	2.3	4.0	8.5	4.0	4.8	19.0	8.5
	2	4.0	1.8	5.0	13.0	.	.	5.0	10.2	5.0	2.8	19.0	13.0
	3	4.0	1.2	.	.	.	.	.	.	.	.	4.0	1.2
	4	4.0	1.0	.	.	.	.	.	.	.	.	4.0	1.0
	ALL	16.0	2.1	8.0	13.0	4.0	2.3	9.0	10.2	9.0	4.8	46.0	13.0
DRIVER	DAY												
1	4.0	2.1	4.0	9.5	4.0	1.6	4.0	8.3	4.0	3.7	20.0	9.5	
2	4.0	0.9	5.0	12.2	.	.	5.0	7.1	4.0	1.9	18.0	12.2	
3	4.0	1.8	.	.	.	.	.	.	.	.	4.0	1.8	
4	4.0	4.3	.	.	.	.	.	.	.	.	4.0	4.3	
ALL	16.0	4.3	9.0	12.2	4.0	1.6	9.0	8.3	8.0	3.7	46.0	12.2	
GUNNER	DAY												
1	.	.	.	.	2.0	2.5	2.0	10.0	2.0	4.8	6.0	10.0	
2	.	.	.	.	.	.	2.0	6.9	2.0	2.2	4.0	6.9	
ALL	.	.	.	.	2.0	2.5	4.0	10.0	4.0	4.8	10.0	10.0	
LOADER	DAY												
1	4.0	2.1	4.0	10.7	4.0	2.4	4.0	14.1	4.0	6.9	20.0	14.1	
2	2.0	0.9	6.0	49.9	.	.	5.0	7.9	5.0	2.5	18.0	49.9	
3	4.0	1.2	.	.	.	.	.	.	.	.	4.0	1.2	
4	4.0	1.7	.	.	.	.	.	.	.	.	4.0	1.7	
ALL	14.0	2.1	10.0	49.9	4.0	2.4	9.0	14.1	9.0	6.9	46.0	49.9	

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
	T1	T1	T1	T1	T1	T1						
	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	MAX	MAX	MAX	MAX	MAX	MAX
DAY												
1	12.0	2.1	11.0	10.7	14.0	14.1	2.5	14.0	14.0	6.9	65.0	14.1
2	10.0	1.8	16.0	49.9	.	.	.	17.0	10.2	16.0	2.8	59.0
3	12.0	1.8	.	.	.	.	.	.	.	.	12.0	1.8
4	12.0	4.3	.	.	.	.	.	.	.	.	12.0	4.3
ALL	46.0	4.3	27.0	49.9	14.0	14.1	2.5	31.0	14.1	30.0	6.9	148.0

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

95

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		STILL-M109			BENNING-M3			KNOX-M60			CARSON-M60		
		TI			TI			TI			TI		
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY												
COMMANDER	1	0.9	0.8	4.6	2.4	2.2	0.2	8.0	0.8	2.9	2.7	3.7	2.9
	2	0.9	0.1	6.5	2.6	.	.	7.5	1.2	1.6	1.2	4.4	3.3
	3	1.2	0.1	.	.	.	.	.	.	.	.	1.2	0.1
	4	1.0	0.1	.	.	.	.	.	.	.	.	1.0	0.1
	ALL	1.0	0.3	5.7	2.4	2.2	0.2	7.7	1.0	2.1	1.7	3.6	3.0
DRIVER	1	1.2	1.3	3.8	2.9	0.8	0.0	5.4	0.3	2.4	0.3	2.7	2.1
	2	0.9	0.0	7.7	2.6	.	.	6.1	0.9	1.3	0.5	4.6	3.3
	3	1.0	0.0	.	.	.	.	.	.	.	.	1.0	0.0
	4	0.9	0.0	.	.	.	.	.	.	.	.	0.9	0.0
	ALL	1.0	0.5	6.1	3.2	0.8	0.0	5.8	0.8	1.9	0.7	3.2	2.8
LOADER	1	0.5	0.3	7.5	4.5	2.3	0.1	8.2	0.5	4.7	3.1	4.6	3.6
	2	0.8	.	33.3	20.1	.	.	5.4	2.5	1.7	0.3	12.2	17.5
	3	1.1	0.0	.	.	.	.	.	.	.	.	1.1	0.0
	4	1.1	0.1	.	.	.	.	.	.	.	.	1.1	0.1
	ALL	0.9	0.3	23.0	20.2	2.3	0.1	6.5	2.4	2.9	2.3	7.2	12.0
ALL	1	0.9	0.8	5.3	3.2	1.8	0.8	7.2	1.4	3.3	2.1	3.7	2.9
	2	0.9	0.0	15.8	16.6	.	.	6.3	1.7	1.6	0.3	7.0	10.6
	3	1.1	0.1	.	.	.	.	.	.	.	.	1.1	0.1
	4	1.0	0.1	.	.	.	.	.	.	.	.	1.0	0.1
	ALL	1.0	0.4	11.6	13.8	1.8	0.8	6.7	1.6	2.3	1.7	4.7	7.4

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		TI	TI	TI	TI	TI	TI						
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY												
COMMANDER	1	1.4	1.0	1.6	1.5	0.8	3.8	1.9	2.1	1.5	2.1	1.4	
	2	1.3	0.7	10.7	3.2		6.5	5.3	2.2	0.9	5.2	4.7	
	3	1.1	0.0								1.1	0.0	
	4	1.0	0.0								1.0	0.0	
	ALL	1.2	0.5	7.7	5.8	1.5	0.8	5.1	3.6	2.1	1.0	3.1	3.4
DRIVER	1	0.5	0.3	7.5	2.8	1.2	0.5	6.6	2.4	3.4	0.4	3.9	3.2
	2	0.9	0.0	10.0	3.2			5.2	0.5	1.6	0.5	4.4	4.0
	3	1.4	0.6								1.4	0.6	
	4	2.7	2.3								2.7	2.3	
	ALL	1.4	1.3	8.7	2.8	1.2	0.5	5.9	1.6	2.5	1.1	3.7	3.3
GUNNER	1												
	2												
	3												
	4												
	ALL												
LOADER	1	1.2	1.3	3.6	1.3	1.9	0.0	8.3	8.2	3.3	2.8	3.7	3.9
	2	0.9		9.9	3.0			5.7	0.3	1.8	1.1	5.7	4.2
	3	1.1	0.0									1.1	0.0
	4	1.6	0.1									1.6	0.1
	ALL	1.3	0.6	7.4	4.1	1.9	0.0	7.0	5.0	2.5	2.0	4.0	3.9
ALL	DAY												
		1.0	0.8	4.7	3.1	1.7	0.6	6.8	4.0	3.2	1.5	3.5	3.1

(CONTINUED)

CONCENTRATION (FIRE CONC) OF SELECTED METALS (UG/M3)

97

SAMPLE TYPE BREATHING ZONE

	COMBINATION OF FORT & VEHICLE TYPE											
	STILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
ALL	1.1	0.4	10.2	2.5	5.6	2.4	1.9	0.6	4.9	4.0		
2	1.2	0.3							1.2	0.3		
3	1.8	1.3							1.8	1.3		
4	1.3	0.8	7.9	3.8	1.7	0.6	6.2	3.2	2.6	1.3	3.7	3.4

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL

		COMBINATION OF FORT & VEHICLE TYPE													
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL								
		TI	TI	TI	TI	TI	TI	TI	TI	TI	TI	TI	TI	TI	TI
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY														
COMMANDER	1	1.2	0.8	3.6	2.4	1.8	0.6	5.9	2.7	2.5	1.8	3.0	2.4		
	2	1.1	0.5	8.2	3.4			7.1	2.8	1.8	1.0	4.7	3.8		
	3	1.1	0.1									1.1	0.1		
	4	1.0	0.0									1.0	0.0		
	ALL	1.1	0.4	6.5	3.7	1.8	0.6	6.5	2.7	2.1	1.4	3.4	3.1		
DRIVER	DAY														
1		0.9	0.8	5.6	3.2	1.0	0.4	6.0	1.6	2.9	0.6	3.3	2.7		
2		0.9	0.0	8.6	2.7			5.7	0.8	1.4	0.4	4.5	3.6		
3		1.2	0.4									1.2	0.4		
4		1.8	1.7									1.8	1.7		
ALL		1.2	0.9	7.3	3.2	1.0	0.4	5.9	1.1	2.2	0.9	3.5	3.0		
GUNNER	DAY														
1						2.1	0.6	8.7	1.8	4.2	0.9	5.0	3.2		
2								4.9	2.9	2.2	0.0	3.5	2.3		
ALL						2.1	0.6	6.8	3.0	3.2	1.2	4.4	2.8		
LOADER	DAY														
1		0.9	0.8	5.5	3.5	2.1	0.3	8.2	4.8	4.0	2.5	4.2	3.7		
2		0.9	0.1	21.6	18.1			5.5	1.8	1.7	0.8	9.3	13.4		
3		1.1	0.0									1.1	0.0		
4		1.4	0.3									1.4	0.3		
ALL		1.1	0.5	15.2	16.0	2.1	0.3	6.7	3.5	2.7	2.1	5.7	9.2		
ALL	DAY														
1		1.0	0.8	5.0	3.0	1.7	0.6	7.0	3.1	3.3	1.7	3.6	3.0		

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL

	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
	11	11	11	11	11	11						
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
1 DAY												
2	1.0	0.3	13.3	12.6			6.0	2.0	1.7	0.7	6.0	8.2
3	1.2	0.2									1.2	0.2
4	1.4	1.0									1.4	1.0
FALL	1.1	0.7	10.0	10.6	1.7	0.6	6.4	2.6	2.5	1.5	4.2	5.7

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA

COMBINATION OF FORT & VEHICLE TYPE																									
		SILL-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL			
		ZN		# OF VEHS.		ZN		# OF VEHS.		ZN		# OF VEHS.		ZN		# OF VEHS.		ZN		# OF VEHS.		ZN			
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.			
POSITION		DAY																							
COMMANDER	1	2.0	12.0	2.0	69.2	2.0	13.9	2.0	8.5	2.0	12.2	10.0	69.2												
	2	2.0	4.6	3.0	69.8	.	.	3.0	28.2	3.0	43.2	11.0	69.8												
	3	2.0	10.6	.	.	.	.	.	.	.	.	2.0	10.6												
	4	2.0	1.6	.	.	.	.	.	.	.	.	2.0	1.6												
	ALL	8.0	12.0	5.0	69.8	2.0	13.9	5.0	28.2	5.0	43.2	25.0	69.8												
DRIVER	1	2.0	21.9	2.0	52.2	2.0	5.4	2.0	11.2	2.0	8.6	10.0	52.2												
	2	2.0	4.2	3.0	104.0	.	.	3.0	29.6	2.0	20.3	10.0	104.0												
	3	2.0	4.5	.	.	.	.	.	.	.	.	2.0	4.5												
	4	2.0	4.8	.	.	.	.	.	.	.	.	2.0	4.8												
	ALL	8.0	21.9	5.0	104.0	2.0	5.4	5.0	29.6	4.0	20.3	24.0	104.0												
LOADER	1	2.0	7.1	2.0	46.0	2.0	19.6	2.0	33.9	2.0	22.3	10.0	46.0												
	2	1.0	2.4	3.0	147.0	.	.	3.0	52.7	3.0	55.2	10.0	147.0												
	3	2.0	6.8	.	.	.	.	.	.	.	.	2.0	6.8												
	4	2.0	2.6	.	.	.	.	.	.	.	.	2.0	2.6												
	ALL	7.0	7.1	5.0	147.0	2.0	19.6	5.0	52.7	5.0	55.2	24.0	147.0												
ALL	1	6.0	21.9	6.0	69.2	6.0	19.6	6.0	33.9	6.0	22.3	30.0	69.2												
	2	5.0	4.6	9.0	147.0	.	.	9.0	52.7	8.0	55.2	31.0	147.0												
	3	6.0	10.6	.	.	.	.	.	.	.	.	6.0	10.6												
	4	6.0	4.8	.	.	.	.	.	.	.	.	6.0	4.8												
	ALL																								

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

101

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORI & VEHICLE TYPE											
		SILL-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		ZN	# OF VEH.	ZN	# OF VEH.	ZN	# OF VEH.	ZN	# OF VEH.	ZN	# OF VEH.		
		23.0	21.9	15.0	147.0	6.0	19.6	15.0	52.7	14.0	55.2	73.0	
ALL	FALL											147.0	

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

102

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE																	
		SILL-M109			BENNING-M3			KNOX-M60			CARSON-M60			KNOX-M1			ALL		
		ZN			ZN			ZN			ZN			ZN			ZN		
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
COMMANDER	POSITION DAY																		
	1	2.0	13.4	1.0	18.7	2.0	9.4	2.0	7.6	2.0	10.0	9.0	18.7						
	2	2.0	6.0	2.0	125.0	.	.	2.0	58.4	2.0	39.5	8.0	125.0						
	3	2.0	3.4	.	.	.	.	.	.	.	.	2.0	3.4						
	4	2.0	2.0	.	.	.	.	.	.	.	.	2.0	2.0						
	ALL	8.0	13.4	3.0	125.0	2.0	9.4	4.0	58.4	4.0	39.5	21.0	125.0						
DRIVER	DAY																		
	1	2.0	13.4	2.0	49.2	2.0	9.0	2.0	30.5	2.0	11.3	10.0	49.2						
	2	2.0	2.7	2.0	33.7	.	.	2.0	9.7	2.0	37.9	8.0	37.9						
	3	2.0	4.2	.	.	.	.	.	.	.	.	2.0	4.2						
	4	2.0	3.3	.	.	.	.	.	.	.	.	2.0	3.3						
	ALL	8.0	13.4	4.0	49.2	2.0	9.0	4.0	30.5	4.0	37.9	22.0	49.2						
GUNNER	DAY																		
	1	.	.	.	.	2.0	13.9	2.0	37.4	2.0	38.2	6.0	38.2						
	2	.	.	.	.	.	.	2.0	20.7	2.0	65.7	4.0	65.7						
	3	.	.	.	.	2.0	13.9	4.0	37.4	4.0	65.7	10.0	65.7						
	4	.	.	.	.	.	.	.	.	.	.	.	.						
	ALL	8.0	16.2	2.0	46.3	2.0	15.7	2.0	35.3	2.0	19.1	10.0	46.3						
LOADER	DAY																		
	1	2.0	16.2	2.0	46.3	2.0	15.7	2.0	35.3	2.0	19.1	10.0	46.3						
	2	1.0	3.6	3.0	99.9	.	.	2.0	16.4	2.0	50.7	8.0	99.9						
	3	2.0	12.0	.	.	.	.	.	.	.	.	2.0	12.0						
	4	2.0	1.7	.	.	.	.	.	.	.	.	2.0	1.7						
	ALL	7.0	16.2	5.0	99.9	2.0	15.7	4.0	35.3	4.0	50.7	22.0	99.9						

(CONTINUED)

SAMPLE TYPE BREATHING ZONE

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE													
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KN X-M1	ALL	ZN	ZN	ZN	ZN	ZN	ZN	ZN	ZN
	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY														
COMMANDER														
1	4.0	13.4	3.0	69.2	4.0	13.9	4.0	8.5	4.0	12.2	19.0	69.2		
2	4.0	6.0	5.0	125.0			5.0	58.4	5.0	43.2	19.0	125.0		
3	4.0	10.6									4.0	10.6		
4	4.0	2.0												
ALL	16.0	13.4	8.0	125.0	4.0	13.9	9.0	58.4	9.0	43.2	46.0	125.0		
DRIVER														
1	4.0	21.9	4.0	52.2	4.0	9.0	4.0	30.5	4.0	11.3	20.0	52.2		
2	4.0	4.2	5.0	104.0			5.0	29.6	4.0	37.9	18.0	104.0		
3	4.0	4.5									4.0	4.5		
4	4.0	4.8												
ALL	16.0	21.9	9.0	104.0	4.0	9.0	9.0	30.5	8.0	37.9	46.0	104.0		
GUNNER														
1							2.0	13.9	2.0	37.4	2.0	38.2	6.0	38.2
2									2.0	20.7	2.0	65.7	4.0	65.7
ALL							2.0	13.9	4.0	37.4	4.0	65.7	10.0	65.7
LOADER														
1	4.0	16.2	4.0	46.3	4.0	19.6	4.0	35.3	4.0	22.3	20.0	46.3		
2	2.0	3.6	6.0	147.0			5.0	52.7	5.0	55.2	18.0	147.0		
3	4.0	12.0									4.0	12.0		
4	4.0	2.6												
ALL	14.0	16.2	10.0	147.0	4.0	19.6	9.0	52.7	9.0	55.2	46.0	147.0		

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

105

ALL	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	INOX-M1	ALL						
	ZN	ZN	ZN	ZN	ZN	ZN	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
DAY												
1	12.0	21.9	11.0	69.2	14.0	19.6	14.0	37.4	14.0	38.2	65.0	69.2
2	10.0	6.0	16.0	147.0	.	.	17.0	58.4	16.0	65.7	59.0	147.0
3	12.0	12.0	.	.	.	.	.	.	.	.	12.0	12.0
4	12.0	4.8	.	.	.	.	.	.	.	.	12.0	4.8
ALL	46.0	21.9	27.0	147.0	14.0	19.6	31.0	58.4	30.0	65.7	148.0	147.0

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE GENERAL AREA

SAMPLE TYPE		COMBINATION OF FORT & VEHICLE TYPE															
		SILL-M109				BENNING-M3				KNOX-M60				CARSON-M60			
		ZN	STD	MEAN	STD	ZN	STD	MEAN	STD	ZN	STD	MEAN	STD	ZN	STD	MEAN	STD
POSITION		DAY															
COMMANDER	1	8.2	5.4	44.1	35.5	13.2	1.0	8.0	0.8	7.6	6.5	16.2	19.2				
	2	4.0	0.9	47.3	19.8			20.4	10.9	29.1	23.8	27.2	21.5				
	3	7.9	3.8									7.9	3.8				
	4	1.3	0.4									1.3	0.4				
	ALL	5.4	4.0	46.0	22.7	13.2	1.0	15.4	10.3	20.5	20.8	19.2	20.0				
DRIVER	1	14.0	11.2	37.2	21.1	4.3	1.6	9.5	2.4	8.0	0.8	14.6	14.8				
	2	3.4	1.1	55.6	42.5			22.1	10.0	18.6	2.4	27.7	29.1				
	3	2.8	2.4									2.8	2.4				
	4	4.7	0.2									4.7	0.2				
	ALL	6.2	6.5	48.2	33.4	4.3	1.6	17.0	10.0	13.3	6.3	18.2	22.3				
LOADER	1	5.5	2.1	36.7	13.1	17.9	2.4	21.2	18.0	16.5	8.1	19.6	13.3				
	2	2.4		99.8	68.4			38.6	13.5	35.2	18.7	52.3	48.4				
	3	4.0	4.1									4.0	4.1				
	4	1.8	1.1									1.8	1.1				
	ALL	3.6	2.5	74.6	59.8	17.9	2.4	31.6	16.2	27.8	17.2	30.4	37.1				
ALL	1	9.2	6.8	39.4	19.7	11.8	6.3	12.9	10.4	10.7	6.5	16.8	15.5				
	2	3.5	0.9	67.6	48.1			27.0	13.3	28.8	17.6	35.4	35.4				
	3	4.9	3.6									4.9	3.6				
	4	2.6	1.7									2.6	1.7				
	ALL	5.1	4.6	56.3	40.8	11.8	6.3	21.4	13.8	21.0	16.4	22.6	27.6				

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

107

SAMPLE TYPE BREATHING ZONE

	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109				BENNING-M3				KNOX-M60				CARSON-M60			
	ZN	STD	MEAN	STD	ZN	STD	MEAN	STD	ZN	STD	MEAN	STD	ZN	STD	MEAN	STD
POSITION DAY																
COMMANDER																
1	8.6	6.8	18.7				6.8	3.6	7.4	0.3	8.4	2.2			9.0	4.7
2	4.3	2.3	82.4	60.2					33.3	35.4	38.0	2.1			39.5	39.9
3	2.6	1.2													2.6	1.2
4	1.5	0.7													1.5	0.7
ALL	4.2	4.0	61.2	56.3	6.8	3.6	20.4	25.3	23.2	17.2	19.3	28.9				
DRIVER DAY																
1	7.2	8.8	34.9	20.2	8.2	1.2	18.9	16.3	11.2	0.1	16.1	14.2				
2	2.6	0.1	33.4	0.4			9.0	1.0	28.6	13.1	18.4	14.7				
3	3.0	1.7									3.0	1.7				
4	2.4	1.4									2.4	1.4				
ALL	3.8	4.0	34.2	11.7	8.2	1.2	14.0	11.1	19.9	12.6	14.5	13.9				
GUNNER DAY																
1					7.6	8.9	24.9	17.7	25.8	17.5	19.4	15.0				
2							17.4	4.7	45.0	29.3	31.2	23.4				
ALL					7.6	8.9	21.1	11.4	35.4	22.6	24.1	18.5				
LOADER DAY																
1	9.8	9.0	32.4	19.6	13.7	2.8	21.3	19.8	11.4	10.8	17.7	13.7				
2	3.6		65.1	36.4			12.6	5.4	39.8	15.3	38.0	32.9				
3	7.1	6.9									7.1	6.9				
4	1.5	0.4									1.5	0.4				
ALL	5.8	5.9	52.0	32.8	13.7	2.8	17.0	12.9	25.6	19.7	22.6	24.7				
ALL DAY																
1	8.5	6.5	30.7	15.6	9.1	4.8	18.2	13.7	14.2	10.7	15.3	12.5				

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		ZN	ZN	ZN	ZN	ZN	ZN						
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
ALL	DAY												
		3.5	1.4	61.0	38.2			18.1	16.9	37.9	14.9	31.9	29.9
		4.3	3.9									4.3	3.9
		1.8	0.9									1.8	0.9
ALL		4.6	4.5	48.4	33.6	9.1	4.8	18.1	14.9	26.0	17.5	19.5	22.6

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

109

ALL

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	BENNING-M3	KNOX-M50	CARSON-M60	KNOX-M1	ALL						
		ZN	ZN	ZN	ZN	ZN	ZN						
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY													
COMMANDER	1	8.4	5.0	35.6	29.1	10.0	4.3	7.7	0.6	8.0	4.0	12.8	14.4
	2	4.2	1.4	61.4	38.4	.	.	25.6	20.6	32.7	17.6	32.4	30.2
	3	5.3	3.8	.	.	.	.	.	.	.	.	5.3	3.8
	4	1.4	0.5	.	.	.	.	.	.	.	.	1.4	0.5
	ALL	4.8	3.9	51.7	35.5	10.0	4.3	17.6	17.3	21.7	18.2	19.2	24.2
DRIVER													
DRIVER	1	10.6	9.1	36.1	16.9	6.2	2.5	14.2	11.0	9.6	1.9	15.3	14.1
	2	3.0	0.8	46.7	32.4	.	.	16.8	10.1	23.6	9.6	23.6	23.6
	3	2.9	1.7	.	.	.	.	.	.	.	.	2.9	1.7
	4	3.5	1.5	.	.	.	.	.	.	.	.	3.5	1.5
	ALL	5.0	5.4	42.0	25.8	6.2	2.5	15.7	9.9	16.6	9.9	16.5	18.6
GUNNER													
GUNNER	1	.	.	.	.	7.6	8.9	24.9	17.7	25.8	17.5	19.4	15.0
	2	.	.	.	.	.	.	17.4	4.7	45.0	29.3	31.2	23.4
	3	.	.	.	.	7.6	8.9	21.1	11.4	35.4	22.6	24.1	18.5
	4	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	7.7	5.9	34.6	13.8	15.8	3.2	21.3	15.4	14.0	8.4	18.7	13.1
LOADER													
LOADER	1	3.0	0.8	82.4	52.6	.	.	28.2	17.4	37.1	15.5	45.9	41.7
	2	5.6	5.0	.	.	.	.	.	.	.	.	5.6	5.0
	3	1.7	0.7	.	.	.	.	.	.	.	.	1.7	0.7
	4	4.7	4.5	63.3	47.0	15.8	3.2	25.1	15.9	26.8	17.1	26.7	31.7
	ALL	8.9	6.4	35.4	17.7	10.2	5.5	15.9	12.2	12.7	9.0	16.0	13.9

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED METALS (UG/M3)

110

ALL	COMBINATION OF FORT & VEHICLE TYPE													
	SILL-M109		BLNNG-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
	ZN	SID	ZN	SID	ZN	SID	ZN	SID	ZN	SID	ZN	SID		
DAY														
2	3.5	1.2	64.7	42.8			22.8	15.3	33.3	16.4	33.7	32.6		
3	4.6	3.6									4.6	3.6		
4	2.2	1.4									2.2	1.4		
ALL	4.8	4.5	52.8	37.3	10.2	5.5	19.7	14.2	23.7	16.9	21.0	25.2		

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE GENERAL AREA

COMBINATION OF FOLI & VEHICLE TYPE															
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL							
		ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY															
COMMANDER	1	2.0	7.9	1.0	34.0	3.0	71.0	2.0	21.0	1.0	180.0	1.0	19.0	10.0	180.0
	2	2.0	60.0	.	.	2.0	54.0	.	.	3.0	160.0	3.0	41.0	10.0	160.0
	3	2.0	20.0	.	.	.	.	.	.	.	.	.	.	2.0	20.0
	4	3.0	39.0	.	.	.	.	.	.	.	.	.	.	3.0	39.0
	ALL	9.0	60.0	1.0	34.0	5.0	71.0	2.0	21.0	4.0	180.0	4.0	41.0	25.0	180.0
DRIVER DAY															
	1	2.0	29.0	1.0	0.0	2.0	48.0	2.0	23.0	1.0	0.0	2.0	37.0	10.0	48.0
	2	3.0	37.0	.	.	3.0	31.0	.	.	2.0	0.0	1.0	16.0	9.0	37.0
	4	2.0	43.0	.	.	.	.	.	.	.	.	.	.	2.0	43.0
	ALL	7.0	43.0	1.0	0.0	5.0	18.0	2.0	23.0	3.0	0.0	3.0	37.0	21.0	48.0
	LOADER DAY														
	1	2.0	42.0	2.0	26.0	2.0	100.0	2.0	6.8	2.0	540.0	2.0	47.0	12.0	540.0
	2	3.0	45.0	.	.	2.0	39.0	.	.	1.0	0.0	2.0	16.0	8.0	45.0
	3	1.0	0.0	.	.	.	.	.	.	.	.	.	.	1.0	0.0
	4	2.0	56.0	.	.	.	.	.	.	.	.	.	.	2.0	46.0
	ALL	8.0	46.0	2.0	26.0	4.0	100.0	2.0	6.8	3.0	540.0	4.0	47.0	23.0	540.0
ALL DAY															
	1	6.0	42.0	4.0	34.0	7.0	100.0	6.0	23.0	4.0	540.0	5.0	47.0	32.0	540.0
	2	8.0	60.0	.	.	7.0	54.0	.	.	6.0	160.0	6.0	41.0	27.0	160.0
	3	3.0	20.0	.	.	.	.	.	.	.	.	.	.	3.0	20.0
	4	7.0	46.0	.	.	.	.	.	.	.	.	.	.	7.0	46.0
	ALL	24.0	60.0	4.0	34.0	14.0	100.0	6.0	23.0	10.0	540.0	11.0	47.0	69.0	540.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE															
COMBINATION OF FORT & VEHICLE TYPE															
STILL-M109 CARSON-M109 BENNING-M3 KNOX-M60 CARSON-M60 KNOX-M1 ALL															
ACET ACET ACET ACET ACET ACET ACET															
# OF # OF # OF # OF # OF # OF # OF															
VEHS. MAX VEHs. MAX VEHs. MAX VEHs. MAX VEHs. MAX															
POSITION DAY															
COMMANDER	1	2.0	29.0	1.0	0.0	2.0	130.0	.	1.0	0.0	1.0	32.0	7.0	130.0	
	2	3.0	57.0	.	2.0	0.0	.	2.0	260.0	2.0	31.0	9.0	260.0		
	3	1.0	460.0	.	.	.	.	.	.	.	.	1.0	460.0		
	4	2.0	36.0	.	.	.	.	.	.	.	2.0	36.0			
	ALL	8.0	460.0	1.0	0.0	4.0	130.0	.	3.0	260.0	3.0	32.0	19.0	460.0	
DRIVER	1	3.0	30.0	1.0	24.0	2.0	62.0	1.0	0.2	4.0	250.0	2.0	38.0	13.0	250.0
	2	2.0	37.0	.	2.0	64.0	.	2.0	430.0	1.0	30.0	7.0	430.0		
	3	3.0	29.0	.	.	.	.	.	.	.	3.0	29.0			
	4	3.0	43.0	.	.	.	.	.	.	.	3.0	43.0			
	ALL	11.0	43.0	1.0	24.0	4.0	64.0	1.0	0.2	6.0	430.0	3.0	38.0	26.0	430.0
GUNNER	1	.	.	.	.	.	.	1.0	58.0	2.0	140.0	2.0	56.0	5.0	140.0
	2	.	.	.	.	.	.	.	.	3.0	380.0	1.0	22.0	4.0	380.0
	3	.	.	.	.	.	.	1.0	58.0	5.0	380.0	3.0	56.0	9.0	380.0
	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LOADER	1	2.0	17.0	1.0	61.0	4.0	120.0	2.0	21.0	1.0	0.0	.	10.0	120.0	
	2	2.0	32.0	.	2.0	84.0	.	2.0	330.0	1.0	39.0	7.0	330.0		
	3	3.0	23.0	.	.	.	.	.	.	.	.	3.0	23.0		
	4	2.0	39.0	.	.	.	.	.	.	.	.	2.0	39.0		
	ALL	9.0	39.0	1.0	61.0	6.0	120.0	2.0	21.0	3.0	330.0	1.0	39.0	22.0	330.0

(CONTINUED)

SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE															

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

ALL

COMBINATION OF FORT & VEHICLE TYPE													
POSITION	DAY	STILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1	
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
COMMANDER	1	4.0	29.0	2.0	34.0	5.0	130.0	2.0	21.0	2.0	180.0	2.0	32.0
	2	5.0	60.0	.	.	4.0	54.0	.	.	5.0	260.0	5.0	41.0
	3	3.0	460.0	.	.	.	.	.	.	.	.	.	3.0
	4	5.0	39.0	.	.	.	.	.	.	.	.	.	5.0
	ALL	17.0	460.0	2.0	34.0	9.0	130.0	2.0	21.0	7.0	260.0	7.0	41.0
DRIVER	1	5.0	30.0	2.0	24.0	4.0	62.0	3.0	23.0	5.0	250.0	4.0	38.0
	2	5.0	37.0	.	.	5.0	64.0	.	.	4.0	430.0	2.0	30.0
	3	3.0	29.0	.	.	.	.	.	.	.	.	.	3.0
	4	5.0	43.0	.	.	.	.	.	.	.	.	.	5.0
	ALL	18.0	43.0	2.0	24.0	9.0	64.0	3.0	23.0	9.0	430.0	6.0	38.0
GUNNER	1	.	.	.	.	.	.	1.0	58.0	2.0	140.0	2.0	56.0
	2	.	.	.	.	.	.	.	.	3.0	380.0	1.0	22.0
	3	.	.	.	.	.	.	1.0	58.0	5.0	380.0	3.0	56.0
	4	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	4.0	42.0	3.0	61.0	6.0	120.0	4.0	21.0	3.0	540.0	2.0	47.0
LOADER	1	5.0	45.0	.	.	4.0	84.0	.	.	3.0	330.0	3.0	39.0
	2	4.0	23.0	.	.	.	.	.	.	.	.	.	4.0
	3	4.0	46.0	.	.	.	.	.	.	.	.	.	4.0
	4	17.0	46.0	3.0	61.0	10.0	120.0	4.0	21.0	6.0	540.0	5.0	47.0
	ALL	17.0	46.0	3.0	61.0	10.0	120.0	4.0	21.0	6.0	540.0	5.0	47.0

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

5

ALL	COMBINATION OF FORT & VEHICLE TYPE													
	SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET	ACET
	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
DAY														
1	13.0	42.0	7.0	61.0	15.0	130.0	10.0	58.0	12.0	540.0	10.0	56.0	67.0	540.0
2	15.0	60.0	.	.	13.0	84.0	.	.	15.0	430.0	11.0	41.0	54.0	430.0
3	10.0	460.0	.	.	.	.	.	.	.	.	.	.	10.0	460.0
4	14.0	46.0	.	.	.	.	.	.	.	.	.	.	14.0	46.0
ALL	52.0	460.0	7.0	61.0	28.0	130.0	10.0	58.0	27.0	540.0	21.0	56.0	145.0	540.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE																	
		SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL					
		ACET		ACET		ACET		ACET		ACET		ACET		ACET					
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD		
POSITION DAY																			
COMMANDER	1	7.4	0.6	34.0	.	70.3	1.2	17.0	5.7	180.0	.	19.0	.	49.3	52.9				
	2	32.1	39.5	.	.	46.0	11.3	.	.	106.3	68.6	21.2	17.4	53.9	51.9				
	3	13.3	9.5	.	.	.	.	.	.	.	.	.	.	13.3	9.5				
	4	29.0	8.7	.	.	.	.	.	.	.	.	.	.	29.0	8.7				
	ALL	21.4	18.5	34.0	.	60.6	14.5	17.0	5.7	124.8	67.1	20.6	14.2	45.8	47.2				
DRIVER																			
LOADER	1	20.0	12.7	0.0	.	24.0	33.9	11.5	16.2	0.0	.	18.5	26.2	14.8	18.2				
	2	23.5	16.2	.	.	22.2	11.1	.	.	0.0	0.0	16.0	.	17.0	14.0				
	4	33.5	13.4	.	.	.	.	.	.	.	.	.	.	33.5	13.4				
	ALL	25.4	13.3	0.0	.	22.9	18.7	11.5	16.2	0.0	0.0	17.7	18.6	17.5	16.3				
	DAY																		
ALL	1	37.0	7.1	13.0	18.4	50.0	70.7	6.4	0.5	270.0	381.8	32.0	21.2	68.1	151.4				
	2	31.0	12.8	.	.	38.5	0.7	.	.	0.0	.	13.5	3.5	24.6	15.6				
	3	0.0	.	.	.	.	.	.	.	.	.	.	.	0.0	.				
	4	33.5	17.7	.	.	.	.	.	.	.	.	.	.	33.5	17.7				
	ALL	29.3	15.6	13.0	18.4	44.3	41.4	6.4	0.5	180.0	311.8	22.8	16.4	47.0	109.9				
DAY																			
ALL	1	21.5	14.8	15.0	17.6	51.3	38.2	11.7	9.0	180.0	254.6	24.0	18.4	45.6	97.7				
	2	28.5	19.0	.	.	33.7	13.7	.	.	53.2	72.6	17.8	11.8	32.9	36.5				
	3	8.8	10.2	.	.	.	.	.	.	.	.	.	.	8.8	10.2				
	4	31.6	10.6	.	.	.	.	.	.	.	.	.	.	31.6	10.6				
	ALL	25.2	15.8	15.0	17.6	42.5	29.0	11.7	9.0	103.9	169.8	20.6	14.7	37.6	70.4				

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE																	
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1			ALL			ACET	ACET	ACET	ACET	ACET	ACET	ACET
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY																		
COMMANDER	1	19.5	13.4	0.0		94.0	50.9			0.0		32.0						37.0	45.9
	2	29.0	24.6			0.0	0.0			159.5	142.1	30.5				0.7		51.9	81.0
	3	460.0																460.0	
	4	30.0	8.5															30.0	8.5
	ALL	80.8	154.0	0.0		47.0	61.7			106.3	136.3	31.0				1.0		65.6	113.2
DRIVER	1	15.5	13.1	24.0		58.5	4.9	0.2		110.0	129.4	32.0				8.5		53.2	77.7
	2	29.0	11.3			32.0	45.3			425.0	7.1	30.0						143.1	193.5
	3	19.7	9.5															19.7	9.5
	4	41.3	1.5															41.3	1.5
	ALL	26.1	13.5	24.0		45.3	30.4	0.2		215.0	191.1	31.3				6.1		72.2	118.0
GUNNER	1							58.0		80.5	84.1	43.5				17.7		61.2	46.8
	2									276.7	96.1	22.0						213.0	149.6
	3							58.0		198.2	133.9	36.3				17.6		128.7	126.0
	4																		
	ALL																		
LOADER	1	16.0	1.4	61.0		72.9	50.5	13.8	10.3	0.0								41.2	43.0
	2	29.5	3.5			81.0	4.2			165.0	233.3	39.0						84.3	112.2
	3	14.7	8.0															14.7	8.0
	4	32.0	4.2															32.0	4.2
	ALL	22.1	9.4	61.0		75.6	39.4	13.8	10.3	110.0	190.5	39.0						50.5	71.0
ALL	DAY																		
	1	16.8	9.6	28.3	30.7	74.6	40.6	21.4	25.9	75.1	102.5	36.6				11.7		47.7	57.7

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
		ACET	ACET	ACET	ACET	ACET	ACET	ACET					
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
ALL	DAY												
	2	29.1	15.0	37.7	41.8	258.8	152.8	30.4	6.0	107.8	139.3		
	3	80.4	167.5							80.4	167.5		
	4	35.4	6.9							35.4	6.9		
	ALL	40.4	83.2	28.3	30.7	58.8	43.8	21.4	25.9	172.4	158.7	33.5	9.3

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

9

ALL

		COMBINATION OF FORI & VEHICLE TYPE																	
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1			ALL			ACET	ACET	ACET	ACET	ACET	ACET	ACET
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY																		
COMMANDER	1	13.5	10.4	17.0	24.0	79.8	28.6	17.0	5.7	90.0	127.3	25.5	9.2	44.2	49.0				
	2	30.2	26.3			23.0	27.3			127.6	90.8	24.9	13.3	52.9	65.3				
	3	162.2	258.0												162.2	258.0			
	4	29.4	7.5												29.4	7.5			
	ALL	49.3	107.1	17.0	24.0	54.6	39.8	17.0	5.7	116.9	92.4	25.1	11.5	54.3	81.9				
DRIVER	1	17.3	11.5	12.0	17.0	41.3	28.1	7.8	13.2	88.0	122.4	25.3	17.7	36.5	61.7				
	2	25.7	13.1			26.1	24.5			212.5	245.4	23.0	9.9	72.2	138.8				
	3	19.7	9.5												19.7	9.5			
	4	38.2	8.0												38.2	8.0			
	ALL	25.8	13.1	12.0	17.0	32.9	25.7	7.8	13.2	143.3	185.4	24.5	14.4	47.8	91.9				
GUNNER	1									80.5	84.1	43.5	17.7	61.2	46.8				
	2									276.7	96.1	22.0		213.0	149.6				
	3																		
	4																		
	ALL									198.2	133.9	36.3	17.6	128.7	126.0				
LOADER	1	26.5	12.8	29.0	30.6	65.3	51.7	10.1	7.3	180.0	311.8	32.0	21.2	55.9	113.9				
	2	30.4	9.2			59.8	24.7			110.0	190.5	22.0	14.9	52.5	80.4				
	3	11.0	9.8												11.0	9.8			
	4	32.8	10.5												32.8	10.5			
	ALL	25.5	12.8	29.0	30.6	63.0	41.1	10.1	7.3	145.0	234.2	26.0	15.9	48.7	91.9				
ALL	DAY																		
	1	18.9	11.9	20.7	22.8	63.7	39.9	15.6	17.1	110.1	164.4	30.3	15.9	46.7	78.7				

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

10

ALL	COMBINATION OF FORT & VEHICLE TYPE													
	SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL							
	ACET	ACET	ACET	ACET	ACET	ACET	ACET							
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
DAY														
2	28.8	16.6	35.5	28.7	176.5	161.5	23.5	11.3	70.4	107.7				
3	59.0	141.2							59.0	141.2				
4	33.5	8.8							33.5	8.8				
ALL	33.4	61.9	20.7	22.8	50.6	37.4	15.6	17.1	147.0	163.1	26.7	13.8	55.1	92.4

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

11

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109			CARSON-M109			BENNING-M3			KNOX-M60		
		DCM			DCM			DCM			DCM		
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
POSITION DAY													
COMMANDER	1	2.0	22.0	1.0	55.0	3.0	62.0	2.0	5.4	1.0	0.0	1.0	0.0
	2	2.0	29.0	.	.	2.0	41.0	.	.	3.0	48.0	3.0	49.0
	3	2.0	57.0	.	.	.	.	.	.	.	.	.	2.0
	4	3.0	24.0	.	.	.	.	.	.	.	.	.	3.0
	ALL	9.0	57.0	1.0	55.0	5.0	62.0	2.0	5.4	4.0	48.0	4.0	49.0
DRIVER	1	2.0	23.0	1.0	0.0	2.0	50.0	2.0	1.0	1.0	420.0	2.0	0.0
	2	3.0	40.0	.	.	3.0	65.0	.	.	2.0	54.0	1.0	3.8
	4	2.0	190.0	.	.	.	.	.	.	.	.	.	2.0
	ALL	7.0	190.0	1.0	0.0	5.0	65.0	2.0	1.0	3.0	420.0	3.0	3.8
	DAY												
LOADER	1	2.0	21.0	2.0	52.0	2.0	59.0	2.0	4.9	2.0	65.0	2.0	14.0
	2	3.0	38.0	.	.	2.0	44.0	.	.	1.0	250.0	2.0	16.0
	3	1.0	11.0	.	.	.	.	.	.	.	.	.	1.0
	4	2.0	42.0	.	.	.	.	.	.	.	.	.	2.0
	ALL	8.0	42.0	2.0	52.0	4.0	59.0	2.0	4.9	3.0	250.0	4.0	16.0
ALL	1	6.0	23.0	4.0	55.0	7.0	62.0	6.0	5.4	4.0	420.0	5.0	14.0
	2	8.0	40.0	.	.	7.0	65.0	.	.	6.0	250.0	6.0	49.0
	3	3.0	57.0	.	.	.	.	.	.	.	.	.	3.0
	4	7.0	190.0	.	.	.	.	.	.	.	.	.	7.0
	ALL	24.0	190.0	4.0	55.0	14.0	65.0	6.0	5.4	10.0	420.0	11.0	49.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
		DCM	DCM	DCM	DCM	DCM	DCM	DCM	DCM	DCM	DCM	DCM	DCM
POSITION	DAY	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
COMMANDER	1	2.0	42.0	1.0	29.0	2.0	35.0	.1	1.0	0.0	1.0	0.0	7.0
	2	3.0	50.0	.1	.1	2.0	32.0	.1	2.0	330.0	2.0	5.9	9.0
	3	1.0	790.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	1.0
	4	2.0	53.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0
	ALL	8.0	790.0	1.0	29.0	4.0	35.0	.1	3.0	330.0	3.0	5.9	19.0
DRIVER	1	3.0	44.0	1.0	43.0	2.0	40.0	1.0	3.5	4.0	1200.0	2.0	18.0
	2	2.0	42.0	.1	.1	2.0	37.0	.1	.1	2.0	110.0	1.0	6.8
	3	3.0	120.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	3.0
	4	3.0	86.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	3.0
	ALL	11.0	120.0	1.0	43.0	4.0	40.0	1.0	3.5	6.0	1200.0	3.0	18.0
GUNNER	1	.1	.1	.1	.1	.1	.1	1.0	4.3	2.0	510.0	2.0	11.0
	2	.1	.1	.1	.1	.1	.1	.1	.1	3.0	230.0	1.0	5.2
	3	.1	.1	.1	.1	.1	.1	1.0	4.3	5.0	510.0	3.0	11.0
	4	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	ALL	2.0	51.0	1.0	34.0	4.0	65.0	2.0	2.3	1.0	340.0	.1	10.0
LOADER	1	2.0	59.0	.1	.1	2.0	36.0	.1	.1	2.0	29.0	1.0	2.5
	2	3.0	97.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	3.0
	3	2.0	73.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0
	4	9.0	97.0	1.0	34.0	6.0	65.0	2.0	2.3	3.0	340.0	1.0	2.5
	ALL	16.0	176.0	2.0	68.0	8.0	106.0	3.0	3.6	6.0	373.0	2.0	7.0

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

13

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
		DCM	DCM	DCM	DCM	DCM	DCM	DCM	DCM	DCM	DCM	DCM	DCM
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
		1 DAY											
ALL		7.0	51.0	3.0	43.0	8.0	65.0	4.0	4.3	8.0	1200.0	5.0	18.0
1		7.0	59.0	.1	.1	6.0	37.0	.1	.1	9.0	330.0	5.0	6.8
2		7.0	790.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
3		7.0	86.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
4		28.0	790.0	3.0	43.0	14.0	65.0	4.0	4.3	17.0	1200.0	10.0	18.0
ALL		28.0	790.0	3.0	43.0	14.0	65.0	4.0	4.3	17.0	1200.0	10.0	18.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

14

ALL	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALI	DCM	DCM	DCM	DCM	DCM
	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY												
COMMANDER	1	4.0	42.0	2.0	55.0	5.0	62.0	2.0	5.4	2.0	0.0	17.0
	2	5.0	50.0	.1	.1	4.0	41.0	.1	.1	5.0	330.0	19.0
	3	3.0	790.0	.1	.1	.1	.1	.1	.1	.1	.1	3.0
	4	5.0	53.0	.1	.1	.1	.1	.1	.1	.1	.1	5.0
	ALL	17.0	790.0	2.0	55.0	9.0	62.0	2.0	5.4	7.0	330.0	44.0
DRIVER												
1	5.0	44.0	2.0	43.0	4.0	50.0	3.0	3.5	5.0	1200.0	4.0	
2	5.0	42.0	.1	.1	5.0	65.0	.1	.1	4.0	110.0	2.0	
3	3.0	120.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	
4	5.0	190.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	
ALL	18.0	190.0	2.0	43.0	9.0	65.0	3.0	3.5	9.0	1200.0	6.0	
GUNNER												
1	.1	.1	.1	.1	.1	.1	.1	1.0	4.3	2.0	510.0	2.0
2	.1	.1	.1	.1	.1	.1	.1	.1	.1	3.0	230.0	1.0
ALL	.1	.1	.1	.1	.1	.1	.1	1.0	4.3	5.0	510.0	3.0
LOADER												
1	4.0	51.0	3.0	52.0	6.0	65.0	4.0	4.9	3.0	340.0	2.0	
2	5.0	59.0	.1	.1	4.0	44.0	.1	.1	3.0	250.0	3.0	
3	4.0	97.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	
4	4.0	73.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	
ALL	17.0	97.0	3.0	52.0	10.0	65.0	4.0	4.9	6.0	340.0	5.0	

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

15

ALL	COMBINATION OF FORI & VEHICLE TYPE											
	SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	DCM	DCM	DCM	DCM	DCM
	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.
DAY	1	2	3	4	ALL	1	2	3	4	ALL	1	2
1	13.0	51.0	7.0	55.0	15.0	65.0	5.4	12.0	1200.0	10.0	18.0	67.0
2	15.0	59.0	.1	13.0	65.0	.1	.1	15.0	330.0	11.0	49.0	54.0
3	10.0	790.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	10.0
4	14.0	190.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	14.0
ALL	52.0	790.0	7.0	55.0	28.0	65.0	5.4	27.0	1200.0	21.0	49.0	145.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF PORT & VEHICLE TYPE															
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL									
		DCM	DCM	DCM	DCM	DCM	DCM	DCM	DCM	DCM	DCM	DCM	DCM	DCM	DCM	DCM	DCM
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY																
COMMANDER	1	18.5	4.9	55.0		58.7	3.5	4.4	1.4	0.0		0.0				27.7	26.8
	2	17.6	16.1			31.0	14.1			29.0	25.5	19.7	25.3	24.3	19.3		
	3	40.0	24.0													40.0	24.0
	4	9.0	13.0													9.0	13.0
	ALL	19.9	17.2	55.0		47.6	16.9	4.4	1.4	21.8	25.4	14.8	22.9	25.1	22.4		
DRIVER	1	22.5	0.7	0.0		42.5	10.6	0.9	0.2	420.0		0.0	0.0	55.2	129.4		
	2	32.7	6.4			49.0	24.3			48.5	7.8	3.8		38.4	19.9		
	3	124.5	92.6											124.5	92.6		
	4	56.0	60.5	0.0		46.4	18.4	0.9	0.2	172.3	214.6	1.3	2.2	54.6	93.4		
	ALL																
LOADER	1	21.0	0.0	51.0	1.4	29.5	41.7	3.5	1.9	32.5	46.0	9.3	6.6	24.5	24.9		
	2	32.7	6.1			30.5	19.1			250.0		11.1	6.9	53.9	80.2		
	3	11.0												11.0			
	4	35.0	9.9											35.0	9.9		
	ALL	27.6	10.2	51.0	1.4	30.0	26.5	3.5	1.9	105.0	129.7	10.2	5.6	35.0	50.8		
ALL	1	20.7	2.9	39.3	26.2	45.7	22.1	2.9	2.0	121.3	201.5	3.7	6.1	35.1	74.0		
	2	28.9	10.4			38.6	19.7			72.3	89.1	14.2	17.6	37.8	46.2		
	3	30.3	23.9											30.3	23.9		
	4	49.4	65.3											49.4	65.3		
	ALL	33.0	36.4	39.3	26.2	42.1	20.4	2.9	2.0	91.9	136.3	9.5	14.1	37.4	61.1		

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

17

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF TOXIC & VEHICLE TYPE																	
		SHELL-M109				CARSON-M109				BENNING-M3				KNOX-M60				ALL	
		DCM				DCM				DCM				DCM				DCM	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY																			
COMMANDER	1	32.0	14.1	29.0		34.0	1.4			0.0				0.0				23.0	16.8
	2	31.2	22.9			16.0	22.6			165.0	233.3	2.9		4.2		51.3	106.2		
	3	790.0														790.0			
	4	27.0	36.7															27.0	36.7
	ALL	125.2	269.3	29.0		25.0	16.7			110.0	190.5	2.0		3.4		77.2	187.5		
DRIVER DAY																			
1		26.8	21.1	43.0		35.5	6.4	3.5		360.0	571.3	12.6		7.6		127.9	328.2		
2		31.0	15.6			28.0	12.7			105.0	7.1	6.8				47.8	40.9		
3		50.8	60.5													50.8	60.5		
4		54.0	45.5															54.0	45.5
ALL		41.5	37.7	43.0		31.8	9.3	3.5		275.0	461.7	10.7		6.4		88.9	232.7		
GUNNER DAY																			
1								4.3		294.0	305.5	6.8		5.9		121.2	219.6		
2										97.0	119.2	5.2				74.0	107.6		
ALL								4.3		175.8	205.1	6.3		4.3		100.2	170.5		
LOADER DAY																			
1		38.0	18.4	34.0		35.8	20.3	1.5		1.2	340.0					59.6	100.5		
2		40.5	26.2			25.5	14.8			14.5	20.5	2.5				23.4	20.5		
3		43.7	46.3													43.7	46.3		
4		72.5	0.7													72.5	0.7		
ALL		48.1	29.3	34.0		32.3	17.9	1.5		1.2	123.0	188.5	2.5			47.1	70.5		
ALL DAY																			
1		31.5	16.2	35.3	7.1	35.3	13.5	2.7		1.6	296.0	410.3	7.8			86.5	219.8		

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

ALL

		COMBINATION OF FORT & VEHICLE TYPE																													
		SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL					
		DCM		MEAN		SID		DCM		MEAN		SID		DCM		MEAN		SID		DCM		MEAN		SID		DCM		MEAN		SID	
		MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID	MEAN	SID
POSITION		DAY																													
COMMANDER	1	25.3	11.6	42.0	18.4	48.8	13.8	4.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.8	22.7				
	2	25.8	19.6	.	.	23.5	17.7	.	.	83.4	139.6	13.0	20.3	37.1	73.4																
	3	290.0	433.3	.	.	.	.	.	.	.	.	.	.	.	290.0	433.3															
	4	16.2	22.8	.	.	.	.	.	.	.	.	.	.	.	16.2	22.8															
	ALL	69.5	186.6	42.0	18.4	37.6	19.7	4.4	1.4	59.6	121.0	9.3	17.7	47.6	125.2																
DRIVER	DAY																														
	1	25.1	15.1	21.5	30.4	39.0	8.2	1.8	1.5	372.0	495.5	6.3	8.5	96.3	258.8																
	2	32.0	9.1	.	.	40.6	21.7	.	.	76.8	33.2	5.3	2.1	42.5	30.0																
	3	50.8	60.5	.	.	.	.	.	.	.	.	.	.	.	50.8	60.5															
	4	82.2	68.4	.	.	.	.	.	.	.	.	.	.	.	82.2	68.4															
GUNNER	ALL	47.1	46.7	21.5	30.4	39.9	16.1	1.8	1.5	240.8	383.9	6.0	6.7	73.6	183.1																
	DAY																														
	1	.	.	.	.	.	.	4.3	.	294.0	305.5	6.8	5.9	121.2	219.6																
	2	.	.	.	.	.	.	.	.	97.0	119.2	5.2	.	74.0	107.6																
	ALL	.	.	.	.	.	.	4.3	.	175.8	205.1	6.3	4.3	100.2	170.5																
LOADER	DAY																														
	1	29.5	14.5	45.3	9.9	33.7	24.6	2.5	1.8	135.0	180.5	9.3	6.6	40.4	70.5																
	2	35.8	14.4	.	.	28.0	14.3	.	.	93.0	136.7	8.3	7.0	39.7	60.4																
	3	35.5	41.2	.	.	.	.	.	.	.	.	.	.	.	35.5	41.2															
	4	53.8	22.4	.	.	.	.	.	.	.	.	.	.	.	53.8	22.4															
ALL	ALL	38.5	24.2	45.3	9.9	31.4	20.3	2.5	1.8	114.0	145.0	8.7	5.9	40.9	60.8																
	DAY																														
	1	26.5	12.9	37.6	19.1	40.1	18.2	2.8	1.7	237.8	354.4	5.7	6.6	61.9	167.7																

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

20

ALL	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
	DCM	MEAN	STD	DCM	MEAN	STD	DCM	MEAN	STD	DCM	MEAN	STD	DCM	MEAN	STD	DCM
DAY	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
1	31.2	14.5	.	31.5	18.6	.	.	86.3	102.8	9.6	13.6	42.2	61.6			
2	116.4	239.8	.	.	.	.	.	.	.	.	.	116.4	239.8			
3	50.5	50.5	.	.	.	.	.	.	.	.	.	50.5	50.5			
4	51.6	109.6	37.6	19.1	36.1	18.5	2.8	1.7	153.6	254.4	7.8	10.8	57.2	135.8		
ALL																

CONCENTRATION (FIRLCONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

21

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1	
		ICE		ICE		ICE		ICE		ICE		ICE	
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY													
COMMANDER	1	2.0	35.0	1.0	8.7	3.0	110.0	2.0	1.1	1.0	210.0	1.0	0.5
	2	2.0	39.0	.	.	2.0	24.0	.	.	3.0	110.0	3.0	6.1
	3	2.0	24.0	.	.	.	.	.	.	.	.	.	2.0
	4	3.0	25.0	.	.	.	.	.	.	.	.	.	3.0
	ALL	9.0	39.0	1.0	8.7	5.0	110.0	2.0	1.1	4.0	1100.0	4.0	6.1
DRIVER	1	2.0	3.7	1.0	80.0	2.0	48.0	2.0	1.0	1.0	0.7	2.0	13.0
	2	3.0	52.0	.	.	3.0	110.0	.	.	2.0	110.0	1.0	5.8
	4	2.0	46.0	.	.	.	.	.	.	.	.	.	2.0
	ALL	7.0	52.0	1.0	80.0	5.0	110.0	2.0	1.0	3.0	150.0	3.0	13.0
	ALL	7.0	52.0	1.0	80.0	5.0	110.0	2.0	1.0	3.0	150.0	3.0	13.0
LOADER	1	2.0	47.0	2.0	17.0	2.0	56.0	2.0	0.1	2.0	0.6	2.0	0.4
	2	3.0	34.0	.	.	2.0	0.9	.	.	1.0	0.0	2.0	21.0
	3	1.0	0.3	.	.	.	.	.	.	.	.	.	1.0
	4	2.0	7.8	.	.	.	.	.	.	.	.	.	2.0
	ALL	8.0	47.0	2.0	17.0	4.0	56.0	2.0	0.1	3.0	0.6	4.0	21.0
ALL	1	6.0	47.0	4.0	80.0	7.0	110.0	6.0	1.1	4.0	210.0	5.0	13.0
	2	8.0	52.0	.	.	7.0	110.0	.	.	6.0	1100.0	6.0	21.0
	3	3.0	24.0	.	.	.	.	.	.	.	.	.	3.0
	4	7.0	46.0	.	.	.	.	.	.	.	.	.	7.0
	ALL	24.0	52.0	4.0	80.0	14.0	110.0	6.0	1.1	10.0	1100.0	11.0	21.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE														

(CONTINUED)

SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE																				
SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL								
TCE		TCE		TCE		TCE		TCE		TCE		TCE								
# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX							
1	7.0	29.0	3.0	3.1	8.0	320.0	4.0	2.5	8.0	270.0	5.0	4.3	35.0							
2	7.0	46.0	.	.	6.0	100.0	.	.	9.0	1500.0	5.0	22.0	27.0							
3	7.0	25.0	.	.	.	.	.	.	.	.	.	.	7.0							
4	7.0	26.0	.	.	.	.	.	.	.	.	.	.	7.0							
ALL	28.0	46.0	3.0	3.1	14.0	320.0	4.0	2.5	17.0	1500.0	10.0	22.0	76.0							

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

24

	COMBINATION OF FORT & VEHICLE TYPE													
	SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	TCE	ICE	TCE	ICE	TCE	ICE	TCE
	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
POSITION	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
DAY														
COMMANDER	4.0	35.0	2.0	8.7	5.0	320.0	2.0	1.1	2.0	240.0	2.0	4.3	17.0	320.0
1	5.0	46.0			4.0	100.0			5.0	1100.0	5.0	22.0	19.0	1100.0
2	3.0	25.0											3.0	25.0
3	5.0	25.0											5.0	25.0
4	17.0	46.0	2.0	8.7	9.0	320.0	2.0	1.1	7.0	1100.0	7.0	22.0	44.0	1100.0
ALL														
DAY														
DRIVER														
1	5.0	29.0	2.0	80.0	4.0	48.0	3.0	1.2	5.0	270.0	4.0	13.0	23.0	270.0
2	5.0	52.0			5.0	110.0			4.0	190.0	2.0	5.8	16.0	190.0
3	3.0	18.0											3.0	18.0
4	5.0	46.0											5.0	46.0
ALL	18.0	52.0	2.0	80.0	9.0	110.0	3.0	1.2	9.0	270.0	6.0	13.0	47.0	270.0
DAY														
GUNNER														
1									2.0	0.0	2.0	2.6	5.0	2.6
2									3.0	1500.0	1.0	10.0	4.0	1500.0
3									5.0	1500.0	3.0	10.0	9.0	1500.0
4														
ALL														
DAY														
LOADER														
1	4.0	47.0	3.0	17.0	6.0	120.0	4.0	2.5	3.0	73.0	2.0	0.4	22.0	120.0
2	5.0	34.0			4.0	0.9			3.0	260.0	3.0	21.0	15.0	260.0
3	4.0	4.2											4.0	4.2
4	4.0	11.0											4.0	11.0
ALL	17.0	47.0	3.0	17.0	10.0	120.0	4.0	2.5	6.0	260.0	5.0	21.0	45.0	260.0

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE																	
		SILL-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1	
		TCE		TCE		TCE		TCE		TCE		TCE		TCE		TCE			
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD		
POSITION		DAY																	
COMMANDER	1	25.0	14.1	8.7	.	52.7	55.1	0.9	0.3	210.0	.	0.5	.	42.9	68.0	ALL			
	2	23.0	22.6	.	.	12.5	16.3	.	.	543.3	550.1	3.2	2.9	171.1	365.2	TCE			
	3	12.1	16.8	.	.	.	.	.	.	.	.	.	.	.	12.1	16.8			
	4	9.3	13.6	.	.	.	.	.	.	.	.	.	.	.	9.3	13.6			
	ALL	16.5	14.9	8.7	.	36.6	45.5	0.9	6.3	460.0	479.1	2.5	2.7	87.7	238.2				
DRIVER		DAY																	
	1	1.8	2.6	80.0	.	36.5	16.3	0.8	0.2	0.7	.	6.5	9.2	17.2	27.0				
	2	23.7	24.9	.	.	37.0	63.3	.	.	76.1	104.5	5.8	.	37.8	55.6				
	4	24.3	30.7	.	.	.	.	.	.	.	.	.	.	24.3	30.7				
	ALL	17.6	21.9	80.0	.	36.8	45.5	0.8	0.2	51.0	85.8	6.3	6.5	26.7	41.4				
	LOADER		DAY																
	1	34.0	18.4	16.5	0.7	29.9	36.8	0.1	0.1	0.3	0.4	0.3	0.0	13.5	19.4				
	2	23.7	11.7	.	.	0.8	0.2	.	.	0.0	.	11.7	13.2	12.0	13.4				
	3	0.3	.	.	.	.	.	.	.	.	.	.	.	0.3	.				
	4	4.5	4.6	.	.	.	.	.	.	.	.	.	.	4.5	4.6				
	ALL	18.5	16.5	16.5	0.7	15.4	27.1	0.1	0.1	0.2	0.3	6.0	10.0	11.6	16.1				
ALL		DAY																	
	1	20.3	18.1	30.4	33.3	41.6	37.4	0.6	0.4	52.8	104.8	2.8	5.7	23.9	43.1				
	2	23.5	17.0	.	.	19.6	40.8	.	.	297.0	443.6	6.4	7.5	79.5	228.9				
	3	8.2	13.7	.	.	.	.	.	.	.	.	.	.	8.2	13.7				
	4	12.2	17.2	.	.	.	.	.	.	.	.	.	.	12.2	17.2				
	ALL	17.5	16.9	30.4	33.3	30.6	39.3	0.6	0.4	199.3	359.0	4.8	6.7	43.8	147.5				

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

27

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1	
		ICE		ICE		ICE		ICE		ICE		ICE	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY												
COMMANDER	1	16.5	7.8	3.1		160.8	225.2			240.0		4.3	
	2	32.2	23.0			50.0	70.7			326.4	457.6	11.5	14.8
	3	25.0											25.0
	4	1.0	0.1										1.0
	ALL	19.6	18.3	3.1		105.4	150.5			297.6	327.4	9.1	11.3
DRIVER	1	19.0	9.2	2.0		3.8	0.4	1.2		100.7	128.1	1.3	1.3
	2	7.0	2.6			1.1	0.1			95.0	134.4	3.9	
	3	6.3	10.2										6.3
	4	10.3	13.6										10.3
	ALL	11.0	10.2	2.0		2.4	1.5	1.2		98.8	116.1	2.1	1.8
GUNNER	1									0.0	0.0	1.5	1.6
	2									809.3	752.1	10.0	
	3							1.0		485.6	692.4	4.3	5.1
	4												271.3
	ALL												551.6
LOADER	1	18.5	13.4	1.7		41.4	56.0	1.3	1.7	73.0			28.0
	2	20.3	15.2			0.5	0.3			130.0	183.8	4.0	
	3	1.5	2.4										1.5
	4	5.6	7.6										5.6
	ALL	10.4	11.7	1.7		27.8	48.2	1.3	1.7	111.0	134.1	4.0	
ALL	DAY												
	1	18.2	8.3	2.3	0.7	61.8	112.2	1.2	1.0	89.5	112.6	1.9	1.7
													38.8
													80.7

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
1 DAY																
2	21.6	18.5			17.2	40.6			392.3	528.9	8.2	8.4	141.7	345.1		
3	6.9	10.3														
4	6.3	9.4														
ALL	13.2	13.5	2.3	0.7	42.7	89.1	1.2	1.0	249.8	411.9	5.1	6.6	69.4	217.5		

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

29

ALL

		COMBINATION OF FORT & VEHICLE TYPE																											
		SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL			
		ICE		ICE		ICE		ICE		ICE		ICE		ICE		ICE		ICE		ICE		ICE		ICE					
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD				
POSITION/DAY																													
COMMANDER	1	20.8	10.5	5.9	4.0	95.9	133.1	0.9	0.3	225.0	21.2	2.4	2.7	60.6	99.4														
	2	28.6	20.4	.	.	31.2	47.2	.	.	456.6	466.7	6.5	8.9	136.0	296.2														
	3	16.4	14.0	.	.	.	.	.	.	.	.	.	.	16.4	14.0														
	4	6.0	10.6	.	.	.	.	.	.	.	.	.	.	6.0	10.6														
	ALL	17.9	16.1	5.9	4.0	67.2	104.2	0.9	0.3	390.4	397.5	5.3	7.6	83.9	207.0														
DRIVER	1	12.1	11.5	41.0	55.2	20.1	21.1	1.0	0.3	80.7	119.6	3.9	6.2	28.0	61.2														
	2	17.0	19.9	.	.	22.6	48.9	.	.	85.5	98.9	4.8	1.3	34.4	60.5														
	3	6.3	10.2	.	.	.	.	.	.	.	.	.	.	6.3	10.2														
	4	15.9	19.7	.	.	.	.	.	.	.	.	.	.	15.9	19.7														
	ALL	13.6	15.6	41.0	55.2	21.5	36.9	1.0	0.3	82.9	104.1	4.2	4.8	27.5	55.5														
GUNNER	1	.	.	.	.	.	.	1.0	.	0.0	0.0	1.5	1.6	0.8	1.1														
	2	.	.	.	.	.	.	.	.	809.3	752.1	10.0	.	609.5	732.7														
	ALL	.	.	.	.	.	.	1.0	.	485.6	692.4	4.3	5.1	271.3	551.6														
	1	26.3	15.9	11.6	8.6	37.6	46.8	0.7	1.2	24.5	42.0	0.3	0.0	20.1	30.8														
	2	22.3	11.4	.	.	0.7	0.2	.	.	86.7	150.1	9.1	10.3	26.8	65.6														
LOADER	3	1.2	2.0	.	.	.	.	.	.	.	.	.	.	1.2	2.0														
	4	5.1	5.2	.	.	.	.	.	.	.	.	.	.	5.1	5.2														
	ALL	14.2	14.3	11.6	8.6	22.8	39.7	0.7	1.2	55.6	104.3	5.6	8.7	19.3	43.5														
	1	19.1	13.1	18.4	27.9	52.4	83.7	0.9	0.7	77.3	106.7	2.4	4.0	31.7	65.5														

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

30

ALL	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
DAY																
2	22.6	17.1			18.5	39.0			354.2	482.1	7.2	7.5	110.6	291.7		
3	7.3	10.6											7.3	10.6		
4	9.3	13.7											9.3	13.7		
ALL	15.2	15.2	18.4	27.9	36.6	67.8	0.9	0.7	231.1	386.8	4.9	6.5	57.2	187.3		

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

31

SAMPLE TYPE GENERAL AREA

COMBINATION OF FORT & VEHICLE TYPE																							
		STILL-M109			CARSON-M109			BLINNING-M3			KNOX-M60			CARSON-M60			KNOX-M1			ALL			
		BNZ			BNZ			BNZ			BNZ			BNZ			BNZ			BNZ			
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX		
POSITION DAY																							
COMBAT-1		2.0	15.0	1.0	38.0	3.0	160.0	2.0	20.0	1.0	250.0	1.0	20.0	1.0	20.0	10.0	250.0	10.0	250.0	10.0	250.0		
2		2.0	44.0	.	.	2.0	140.0	.	.	3.0	450.0	3.0	22.0	3.0	22.0	10.0	450.0	10.0	450.0	10.0	450.0		
3		2.0	22.0	.	.	.	.	.	.	.	.	.	.	.	.	2.0	22.0	.	.	2.0	22.0		
4		3.0	49.0	.	.	.	.	.	.	.	.	.	.	.	.	3.0	49.0	.	.	3.0	49.0		
ALL		9.0	49.0	1.0	38.0	5.0	160.0	2.0	20.0	4.0	450.0	4.0	22.0	4.0	22.0	25.0	450.0	25.0	450.0	25.0	450.0		
DRIVER																							
DAY																							
1		2.0	13.0	1.0	32.0	2.0	140.0	2.0	28.0	1.0	230.0	2.0	36.0	2.0	36.0	10.0	230.0	10.0	230.0	10.0	230.0		
2		3.0	48.0	.	.	3.0	98.0	.	.	2.0	140.0	1.0	5.5	2.0	140.0	9.0	140.0	9.0	140.0	9.0	140.0		
4		2.0	63.0	.	.	.	.	.	.	.	.	.	.	.	.	2.0	63.0	.	.	2.0	63.0		
ALL		7.0	63.0	1.0	32.0	5.0	140.0	2.0	28.0	3.0	230.0	3.0	36.0	3.0	36.0	21.0	230.0	21.0	230.0	21.0	230.0		
LOADER																							
DAY																							
1		2.0	34.0	2.0	41.0	2.0	140.0	2.0	24.0	2.0	400.0	2.0	49.0	2.0	49.0	12.0	400.0	12.0	400.0	12.0	400.0		
2		3.0	56.0	.	.	2.0	110.0	.	.	1.0	380.0	2.0	13.0	2.0	13.0	8.0	380.0	8.0	380.0	8.0	380.0		
3		1.0	6.9	.	.	.	.	.	.	.	.	.	.	.	.	1.0	6.9	.	.	1.0	6.9		
4		2.0	30.0	.	.	.	.	.	.	.	.	.	.	.	.	2.0	30.0	.	.	2.0	30.0		
ALL		8.0	56.0	2.0	41.0	4.0	140.0	2.0	24.0	3.0	400.0	4.0	49.0	4.0	49.0	23.0	400.0	23.0	400.0	23.0	400.0		
ALL																							
DAY																							
1		6.0	34.0	4.0	41.0	7.0	160.0	6.0	28.0	4.0	400.0	5.0	49.0	5.0	49.0	32.0	400.0	32.0	400.0	32.0	400.0		
2		8.0	56.0	.	.	7.0	140.0	.	.	6.0	450.0	6.0	22.0	6.0	22.0	27.0	450.0	27.0	450.0	27.0	450.0		
3		3.0	22.0	.	.	.	.	.	.	.	.	.	.	.	.	3.0	22.0	.	.	3.0	22.0		
4		7.0	63.0	.	.	.	.	.	.	.	.	.	.	.	.	7.0	63.0	.	.	7.0	63.0		
ALL		24.0	63.0	4.0	41.0	14.0	160.0	6.0	28.0	10.0	450.0	11.0	49.0	11.0	49.0	69.0	450.0	69.0	450.0	69.0	450.0		

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF TURT & VEHICLE TYPE											
POSITION	DAY	CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.
COMMANDER	1	2.0	28.0	1.0	55.0	2.0	180.0	.	1.0	230.0	1.0	15.0	7.0
	2	3.0	38.0	.	.	2.0	150.0	.	2.0	290.0	2.0	22.0	9.0
	3	1.0	360.0	.	.	.	.	.	.	.	.	.	1.0
	4	2.0	50.0	.	.	.	.	.	.	.	.	.	2.0
	ALL	8.0	360.0	1.0	55.0	4.0	180.0	.	3.0	290.0	3.0	22.0	19.0
DRIVER	1	3.0	27.0	1.0	55.0	2.0	130.0	1.0	48.0	4.0	270.0	2.0	60.0
	2	2.0	50.0	.	.	2.0	98.0	.	.	2.0	300.0	1.0	23.0
	3	3.0	27.0	.	.	.	.	.	.	.	.	.	3.0
	4	3.0	100.0	.	.	.	.	.	.	.	.	.	3.0
	ALL	11.0	100.0	1.0	55.0	4.0	130.0	1.0	48.0	6.0	300.0	3.0	60.0
GUNNER	1	.	.	.	.	.	.	1.0	41.0	2.0	130.0	2.0	70.0
	2	.	.	.	.	.	.	.	.	3.0	490.0	1.0	15.0
	3	.	.	.	.	1.0	41.0	5.0	490.0	3.0	70.0	9.0	490.0
	4	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	2.0	84.0	1.0	58.0	4.0	160.0	2.0	170.0	1.0	300.0	.	10.0
LOADER	1	2.0	33.0	.	.	2.0	130.0	.	.	2.0	280.0	1.0	24.0
	2	3.0	130.0	.	.	.	.	.	.	.	.	.	3.0
	3	2.0	19.0	.	.	.	.	.	.	.	.	.	2.0
	4	9.0	130.0	1.0	58.0	6.0	160.0	2.0	170.0	3.0	300.0	1.0	24.0
	ALL	9.0	130.0	1.0	58.0	6.0	160.0	2.0	170.0	3.0	300.0	1.0	24.0

(CONTINUED)

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CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

34

ALL

		COMBINATION OF FORT & VEHICLE TYPE											
		STILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1	
		BNZ		BNZ		BNZ		BNZ		BNZ		BNZ	
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION/DAY													
COMMANDER	1	4.0	28.0	2.0	55.0	5.0	180.0	2.0	20.0	2.0	250.0	2.0	20.0
	2	5.0	44.0	.	.	4.0	150.0	.	.	5.0	450.0	5.0	22.0
	3	3.0	360.0	.	.	.	.	.	.	.	.	.	.
	4	5.0	50.0	.	.	.	.	.	.	.	.	.	.
	ALL	17.0	360.0	2.0	55.0	9.0	180.0	2.0	20.0	7.0	450.0	7.0	22.0
DRIVER	1	5.0	27.0	2.0	55.0	4.0	140.0	3.0	48.0	5.0	270.0	4.0	60.0
	2	5.0	50.0	.	.	5.0	98.0	.	.	4.0	300.0	2.0	23.0
	3	3.0	27.0	.	.	.	.	.	.	.	.	.	.
	4	5.0	100.0	.	.	.	.	.	.	.	.	.	.
	ALL	18.0	100.0	2.0	55.0	9.0	140.0	3.0	48.0	9.0	300.0	6.0	60.0
GUNNER	1	.	.	.	.	.	.	1.0	41.0	2.0	130.0	2.0	70.0
	2	.	.	.	.	.	.	.	.	3.0	490.0	1.0	15.0
	3	.	.	.	.	1.0	41.0	5.0	490.0	3.0	70.0	9.0	490.0
	4	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	4.0	84.0	3.0	58.0	6.0	160.0	4.0	170.0	3.0	400.0	2.0	49.0
LOADER	1	5.0	56.0	.	.	4.0	130.0	.	.	3.0	380.0	3.0	24.0
	2	4.0	130.0	.	.	.	.	.	.	.	.	.	.
	3	4.0	30.0	.	.	.	.	.	.	.	.	.	.
	4	17.0	130.0	3.0	58.0	10.0	160.0	4.0	170.0	6.0	400.0	5.0	49.0
	ALL	30.0	30.0	.	.	.	.	.	.	.	.	.	.

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

35

ALL	COMBINATION OF FORT & VEHICLE TYPE													
	SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	BNZ	BNZ	BNZ	BNZ	BNZ	BNZ	BNZ
	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
DAY														
1	13.0	84.0	7.0	58.0	15.0	180.0	10.0	170.0	12.0	400.0	10.0	70.0	67.0	400.0
2	15.0	56.0	.	.	13.0	150.0	.	.	15.0	490.0	11.0	24.0	54.0	490.0
3	10.0	360.0	.	.	.	.	.	.	.	.	.	.	10.0	360.0
4	14.0	100.0	.	.	.	.	.	.	.	.	.	.	14.0	100.0
ALL	52.0	360.0	7.0	58.0	28.0	180.0	10.0	170.0	27.0	490.0	21.0	70.0	145.0	490.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORI & VEHICLE TYPE																ALL													
		SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60						CARSON-M60				KNOX-M1							
		BNZ		MEAN		STD		BNZ		MEAN		STD		BNZ		MEAN		STD		BNZ		MEAN		STD		BNZ		MEAN		STD	
		BNZ	MEAN	STD	BNZ	MEAN	STD	BNZ	MEAN	STD	BNZ	MEAN	STD	BNZ	MEAN	STD	BNZ	MEAN	STD	BNZ	MEAN	STD	BNZ	MEAN	STD	BNZ	MEAN	STD	BNZ	MEAN	STD
POSITION/DAY																															
COMMANDER	1	10.3	6.6	38.0				120.7	44.7	20.0	0.0	250.0				20.0												73.1	81.4		
	2	24.8	27.2					108.5	44.5			276.7	161.7	15.0	8.1	114.2	141.4														
	3	15.6	9.0																								15.6	9.0			
	4	29.7	19.0																								29.7	19.0			
	ALL	21.2	16.3	38.0				115.8	39.3	20.0	0.0	270.0	132.7	16.3	7.1	79.7	105.7														
DRIVER	1	6.5	9.2	32.0				135.0	7.1	16.3	16.5	230.0				18.0	25.5	61.4	78.2												
	2	43.0	4.6					86.7	10.6			135.0	7.1	5.5		73.8	44.5														
	4	47.0	22.6																								47.0	22.6			
	ALL	33.7	21.3	32.0				106.0	27.7	16.3	16.5	166.7	55.1	13.8	19.4	65.3	60.3														
	LOADER	1	28.5	7.8	39.5	2.1	130.0	14.1	20.5	4.9	265.0	190.9	34.0	21.2	86.3	108.7															
2		42.3	12.7					55.0	77.8			380.0		7.3	8.1	78.9	126.8														
3		6.9																									6.9				
4		27.0	4.2																							27.0	4.2				
ALL		30.6	14.2	39.5	2.1	92.5	62.9	20.5	4.9	303.3	150.4	20.6	20.2	75.1	107.3																
ALL	1	15.1	12.2	37.3	3.8	127.4	27.4	18.9	8.0	252.5	111.5	24.8	18.6	74.4	89.5																
	2	38.2	15.0					83.9	43.1			246.7	139.8	10.9	7.8	90.3	110.5														
	3	12.7	8.1																								12.7	8.1			
	4	3.9	17.1																								3.9	17.1			
	ALL	28.0	17.4	37.3	3.8	105.6	41.4	18.9	8.0	249.0	122.5	17.2	14.9	73.8	93.7																

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

37

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
		BNZ	BNZ	BNZ	BNZ	BNZ	BNZ	BNZ	BNZ	BNZ	BNZ	BNZ	BNZ
POSITION	DAY	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
COMMANDER	1	20.5	10.6	55.0	165.0	21.2	15.0	95.9	89.1				
	2	28.3	11.2	75.0	106.1	63.6	18.0	5.7	84.6	103.4			
	3	360.0						360.0					
	4	40.0	14.1					40.0	14.1				
	ALL	70.8	117.5	55.0	120.0	81.2	240.0	45.8	17.0	4.4	98.5	108.1	
DRIVER	1	15.1	11.0	55.0	120.0	14.1	48.0	196.3	75.0	57.0	4.2	99.0	84.3
	2	46.5	4.9	92.5	7.8	265.0	49.5	23.0	118.7	105.1			
	3	15.2	10.8						15.2	10.8			
	4	58.3	38.5						58.3	38.5			
	ALL	32.6	27.7	55.0	106.3	18.4	48.0	219.2	71.6	45.7	19.9	90.0	85.2
GUNNER	1							125.0	7.1	56.5	19.1	80.8	42.1
	2							275.0	199.8	15.0		210.0	208.6
	3							215.0	163.5	42.7	27.5	138.2	147.8
	4												
	ALL												
LOADER	1	50.0	48.1	58.0	142.5	20.6	98.0	101.8	300.0			122.4	83.6
	2	31.5	2.1	120.0	14.1	189.0	128.7	24.0	100.7	90.0			
	3	57.3	63.3									57.3	63.3
	4	16.5	3.5									16.5	3.5
	ALL	40.9	39.8	58.0	135.0	20.7	98.0	101.8	226.0	111.3	24.0	97.0	82.7
ALL	1	26.6	26.6	56.0	1.7	142.5	23.8	71.3	66.5	195.6	74.6	21.1	102.5
	2												

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	BNZ	BNZ	BNZ	BNZ	BNZ
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
ALL	DAY												
		34.4	10.8										
2				95.8	52.1			247.0	118.7	19.6	4.7	116.2	120.4
3													
		82.5	129.6									82.5	129.6
4													
		41.1	29.7									41.1	29.7
ALL		46.2	67.8	56.0	1.7	122.5	43.8	71.3	66.5	222.8	100.9	34.0	20.9
												99.9	98.4

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

39

ALL

		COMBINATION OF FORT & VEHICLE TYPE																	
		SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL					
		BNZ		BNZ		BNZ		BNZ		BNZ		BNZ		BNZ					
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY																			
COMMANDER	1	15.4	9.3	46.5	12.0	138.4	41.3	20.0	0.0	240.0	14.1	17.5	3.5	82.5	82.7				
	2	26.9	15.9	.	.	91.8	69.2	.	.	264.0	119.9	16.2	6.6	100.1	122.4				
	3	130.4	198.9	.	.	.	.	.	.	.	.	.	.	130.4	198.9				
	4	33.8	16.2	.	.	.	.	.	.	.	.	.	.	33.8	16.2				
	ALL	44.5	82.6	46.5	12.0	117.7	57.0	20.0	0.0	257.1	98.8	16.6	5.6	87.8	106.0				
DRIVER DAY																			
	1	11.6	10.2	43.5	16.3	127.5	12.6	26.9	21.7	203.0	66.7	37.5	27.0	82.6	82.1				
	2	44.4	4.5	.	.	89.0	9.0	.	.	200.0	80.4	14.3	12.4	93.5	77.5				
	3	15.2	10.8	.	.	.	.	.	.	.	.	.	.	15.2	10.8				
	4	53.8	30.1	.	.	.	.	.	.	.	.	.	.	53.8	30.1				
	ALL	33.0	24.7	43.5	16.3	106.1	22.6	26.9	21.7	201.7	68.2	29.8	24.7	79.0	75.4				
GUNNER DAY																			
	1	.	.	.	.	.	.	41.0	.	125.0	7.1	56.5	19.1	80.8	42.1				
	2	.	.	.	.	.	.	.	.	275.0	199.8	15.0	.	210.0	208.6				
	ALL	.	.	.	.	.	.	41.0	.	215.0	163.5	42.7	27.5	138.2	147.8				
LOADER DAY																			
	1	39.3	30.7	45.7	10.8	138.3	18.3	59.3	73.9	276.7	136.5	34.0	21.2	102.7	97.6				
	2	38.0	10.8	.	.	87.5	59.1	.	.	252.7	143.0	12.9	11.2	89.1	107.8				
	3	44.7	57.5	.	.	.	.	.	.	.	.	.	.	44.7	57.5				
	4	21.8	6.8	.	.	.	.	.	.	.	.	.	.	21.8	6.8				
	ALL	36.1	30.2	45.7	10.8	118.0	45.2	59.3	73.9	264.7	125.7	21.3	17.6	85.8	95.7				
ALL DAY																			
1		21.3	21.2	45.3	10.4	135.5	25.8	39.9	47.3	214.6	87.8	36.6	22.5	89.0	84.5				

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

40

ALL	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	BNZ	BNZ	BNZ	BNZ	BNZ	BNZ	BNZ	BNZ	BNZ
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
DAY																
12	36.4	12.9			89.4	45.8					246.9	122.6	14.8	7.8	103.2	115.2
13	61.6	111.1													61.6	111.1
14	37.5	23.6													37.5	23.6
ALL	37.8	51.5	45.3	10.4	114.1	42.7	39.9	47.3	232.5	107.8	25.2	19.5	87.5	96.8		

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

41

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE												ALL	
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	DMCH	DMCH	DMCH	DMCH	DMCH	DMCH		
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
POSITION DAY		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
COMMANDER	1	2.0	1.9	1.0	2.3	3.0	1.1	2.0	6.8	1.0	52.0	1.0	1.7	10.0	52.0
	2	2.0	1.9	.	2.0	0.4	.	.	.	3.0	140.0	3.0	4.1	10.0	140.0
	3	2.0	4.2	.	.	.	.	.	.	.	.	.	.	2.0	4.2
	4	3.0	8.9	.	.	.	.	.	.	.	.	.	.	3.0	8.9
	ALL	9.0	8.9	1.0	2.3	5.0	1.1	2.0	6.8	4.0	140.0	4.0	4.1	25.0	140.0
DRIVER	DAY	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	1	2.0	0.1	1.0	5.6	2.0	1.0	2.0	3.8	1.0	1.3	2.0	1.3	10.0	5.6
	2	3.0	0.3	.	.	3.0	4.4	.	.	2.0	68.0	1.0	13.0	9.0	68.0
	4	2.0	14.0	.	.	.	.	.	.	.	.	.	.	2.0	14.0
	ALL	7.0	14.0	1.0	5.6	5.0	4.4	2.0	3.8	3.0	68.0	3.0	13.0	21.0	68.0
LOADER	DAY	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	1	2.0	0.3	2.0	3.2	2.0	3.7	2.0	1.1	2.0	64.0	2.0	0.8	12.0	64.0
	2	3.0	0.6	.	.	2.0	1.9	.	.	1.0	11.0	2.0	3.8	8.0	11.0
	3	1.0	6.6	.	.	.	.	.	.	.	.	.	.	1.0	6.6
	4	2.0	68.0	.	.	.	.	.	.	.	.	.	.	2.0	68.0
ALL	DAY	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	1	6.0	1.9	4.0	5.6	7.0	3.7	6.0	6.8	4.0	64.0	5.0	1.7	32.0	64.0
	2	8.0	1.9	.	.	7.0	4.4	.	.	6.0	140.0	6.0	13.0	27.0	140.0
	3	3.0	6.6	.	.	.	.	.	.	.	.	.	.	3.0	6.6
	4	7.0	68.0	.	.	.	.	.	.	.	.	.	.	7.0	68.0
ALL	DAY	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	1	24.0	68.0	4.0	5.6	14.0	4.4	6.0	6.8	10.0	140.0	11.0	13.0	69.0	140.0
	2	8.0	1.9	.	.	7.0	4.4	.	.	6.0	140.0	6.0	13.0	27.0	140.0
	3	3.0	6.6	.	.	.	.	.	.	.	.	.	.	3.0	6.6
	4	7.0	68.0	.	.	.	.	.	.	.	.	.	.	7.0	68.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORI & VEHICLE TYPE											
		SILL-M109			CARSON-M109			BENNING-M3			KNOX-M60		
		DMCH			DMCH			DMCH			DMCH		
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY													
COMMANDER	1	2.0	0.3	1.0	3.6	2.0	0.9	.	1.0	11.0	1.0	0.1	7.0
	2	3.0	4.7	.	.	2.0	3.2	.	2.0	55.0	2.0	4.1	9.0
	3	1.0	4.6	.	.	.	.	.	.	.	.	.	1.0
	4	2.0	1.7	.	.	.	.	.	.	.	.	2.0	1.7
	ALL	8.0	4.7	1.0	3.6	4.0	3.2	.	3.0	55.0	3.0	4.1	19.0
DRIVER	1	3.0	3.8	1.0	0.0	2.0	1.5	1.0	0.2	4.0	530.0	2.0	1.6
	2	2.0	0.3	.	.	2.0	1.5	.	.	2.0	75.0	1.0	1.9
	3	3.0	4.9	.	.	.	.	.	.	.	.	.	3.0
	4	3.0	6.6	.	.	.	.	.	.	.	.	.	3.0
	ALL	11.0	6.6	1.0	0.0	4.0	1.5	1.0	0.2	6.0	530.0	3.0	1.9
GUNNER	1	.	.	.	.	.	.	1.0	0.3	2.0	69.0	2.0	0.2
	2	.	.	.	.	.	.	.	.	3.0	200.0	1.0	0.9
	3	.	.	.	.	.	.	1.0	0.3	5.0	200.0	3.0	0.9
	4	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	11.0	6.6	1.0	0.0	4.0	1.5	1.0	0.2	6.0	530.0	3.0	1.9
LOADER	1	2.0	0.3	1.0	3.0	4.0	18.0	2.0	2.5	1.0	29.0	.	10.0
	2	2.0	0.0	.	.	2.0	7.7	.	.	2.0	65.0	1.0	0.1
	3	3.0	1.8	.	.	.	.	.	.	.	.	.	3.0
	4	2.0	3.2	.	.	.	.	.	.	.	.	.	2.0
	ALL	9.0	3.2	1.0	3.0	6.0	18.0	2.0	2.5	3.0	65.0	1.0	0.1

(CONTINUED)

C-267

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

44

ALL	COMBINATION OF FORI & VEHICLE TYPE											
	SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	DMCH	DMCH	DMCH	DMCH	DMCH
	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.	# OF VEH.
POSITION	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
COMMANDER	1	4.0	1.9	2.0	3.6	5.0	1.1	2.0	6.8	2.0	52.0	1.7
	2	5.0	4.7	4.0	3.2	4.0	3.2	4.0	3.2	5.0	140.0	4.1
	3	3.0	4.6	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.6
	4	5.0	8.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	8.9
ALL	17.0	8.9	2.0	3.6	9.0	3.2	2.0	6.8	7.0	140.0	7.0	44.0
DRIVER	1	5.0	3.8	2.0	5.6	4.0	1.5	3.0	3.8	5.0	530.0	4.0
	2	5.0	0.3	4.0	4.0	4.0	4.0	4.0	4.0	4.0	75.0	2.0
	3	3.0	4.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.9
	4	5.0	14.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	14.0
ALL	18.0	14.0	2.0	5.6	9.0	4.4	3.0	3.8	9.0	530.0	6.0	13.0
GUNNER	1	4.0	1.9	2.0	3.6	5.0	1.1	2.0	6.8	2.0	52.0	1.7
	2	5.0	4.7	4.0	3.2	4.0	3.2	4.0	3.2	5.0	140.0	4.1
	3	3.0	4.6	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.6
	4	5.0	8.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	8.9
ALL	17.0	8.9	2.0	3.6	9.0	3.2	2.0	6.8	7.0	140.0	7.0	44.0
LOADER	1	4.0	1.9	2.0	3.6	5.0	1.1	2.0	6.8	2.0	52.0	1.7
	2	5.0	4.7	4.0	3.2	4.0	3.2	4.0	3.2	5.0	140.0	4.1
	3	3.0	4.6	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.6
	4	5.0	8.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	8.9
ALL	17.0	8.9	2.0	3.6	9.0	3.2	2.0	6.8	7.0	140.0	7.0	44.0

(CONTINUED)

(C-269)

CONCENTRATION (FIRE CONC.) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE GENERAL AREA

	COMBINATION OF FORT & VEHICLE TYPE															
	STEEL-M109				BENNING-M3				KNOX-M60				CARSON-M60			
	DMCH	MEAN	STD	DMCH	DMCH	MEAN	STD	DMCH	DMCH	MEAN	STD	DMCH	DMCH	MEAN	STD	DMCH
MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN
POST-FORT LOX																
1	1.4	0.7	2.3	.	0.7	0.6	3.9	4.0	52.0	.	1.7	.	6.9	16.0		
2	0.9	1.3	.	.	0.3	0.1	.	.	50.0	17.9	2.9	2.0	16.1	43.6		
3	2.9	1.8	.	.	.	.	.	.	.	.	.	.	2.9	1.8		
4	3.0	5.1	.	.	.	.	.	.	.	.	.	.	3.0	5.1		
ALL	2.2	2.9	2.3	.	0.6	0.5	3.9	4.0	50.5	63.6	2.6	1.8	9.8	29.0		
RECEIVER																
1	0.1	0.1	5.6	.	0.7	0.4	1.9	2.7	1.3	.	0.6	0.9	1.4	1.9		
2	0.1	0.2	.	.	1.5	2.5	.	.	51.0	24.0	13.0	.	13.3	23.4		
4	9.3	6.6	.	.	.	.	.	.	.	.	.	.	9.3	6.6		
ALL	2.7	5.3	5.6	.	1.2	1.9	1.9	2.7	34.4	33.4	4.8	7.2	7.2	16.0		
ROADSIDE																
1	0.3	0.0	3.0	0.3	1.8	2.6	0.9	0.3	42.0	31.1	0.6	0.2	8.1	18.4		
2	0.4	0.3	.	.	0.9	1.3	.	.	11.0	.	3.5	0.4	2.6	3.7		
3	6.6	.	.	.	.	.	.	.	.	.	.	.	6.6	.		
4	36.3	44.8	.	.	.	.	.	.	.	.	.	.	36.3	44.8		
ALL	10.1	23.5	3.0	0.3	1.4	1.8	0.9	0.3	31.7	28.4	2.1	1.7	8.6	18.7		
ALL																
1	0.6	0.7	3.5	1.5	1.0	1.3	2.2	2.6	34.3	28.8	0.9	0.7	5.6	14.3		
2	0.4	0.6	.	.	1.0	1.6	.	.	43.8	53.0	4.8	4.2	11.2	29.4		
3	4.2	2.5	.	.	.	.	.	.	.	.	.	.	4.2	2.5		
4	14.3	24.2	.	.	.	.	.	.	.	.	.	.	14.3	24.2		
ALL	5.0	13.9	3.5	1.5	1.0	1.4	2.2	2.6	40.0	43.1	3.0	3.7	8.6	22.0		

CONCENTRATION (111K CONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

47

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE																	
		CARSON-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1	
		DMCH				DMCH				DMCH				DMCH				DMCH	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY																			
COMMAND-11		0.1	0.1	3.6		0.8	0.1			11.0		0.1				2.4	4.0		
1		1.6	2.7			1.6	2.3			30.0	35.4	2.1	2.8	8.0	17.7				
3		4.6														4.6			
4		0.3	1.2													0.8	1.2		
ALL		1.6	2.1	3.6		1.2	1.4			23.7	27.3	1.5	2.3	5.0	12.4				
DRIVER DAY																			
1		1.3	2.2	0.0		0.8	1.1	0.2		278.5	279.0	0.8	1.1	86.2	193.0				
2		0.1	0.2			0.8	0.9			68.0	9.9	1.9		20.0	33.1				
3		2.3	2.3											2.3	2.3				
4		3.4	3.3											3.4	3.3				
ALL		1.9	2.4	0.0		0.8	0.8	0.2		208.3	242.0	1.2	1.0	49.2	140.1				
GOURNER DAY																			
1								0.3		68.0	1.4	0.1	0.1	27.3	37.2				
2										79.0	104.8	0.9		59.5	94.1				
ALL								0.3		74.6	74.4	0.4	0.5	41.6	65.5				
LOADER DAY																			
1		0.2	0.1	3.0		4.7	8.9	1.5	1.4	29.0				5.4	9.9				
2		0.0	0.0			3.8	5.4			34.5	43.1	0.1		11.0	24.0				
3		0.7	0.9											0.7	0.9				
4		2.2	1.4											2.2	1.4				
ALL		0.8	1.1	3.0		4.4	7.3	1.5	1.4	32.7	30.6	0.1		6.3	14.9				
DAY																			
1		0.7	1.4	2.2	1.9	2.8	6.2	0.9	1.1	161.3	222.3	0.4	0.7	38.0	121.7				

(CONTINUED)

CONCENTRATION (FIRLCONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

48

SAMPLE TYPE BREATHING ZONE

	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60			
	DMCH	MEAN	STD	ALL	DMCH	MEAN	STD	ALL	DMCH	MEAN	STD	ALL	DMCH	MEAN	STD	ALL
DAY																
12	0.7	1.8				2.1	3.0									
13	2.0	2.0														
14	2.3	2.3														
ALL	1.4	1.9	2.2	1.9	2.5	4.9	4.9	0.9	1.1	105.4	162.5	0.9	1.3	24.8	86.8	

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

49

ALL	COMBINATION OF FORT & VEHICLE TYPE															
	SULL-M109				CARSON-M109				BENNING-M3				KNOX-M60			
	DMCH	MEAN	STD	DMCH	DMCH	MEAN	STD	DMCH	DMCH	MEAN	STD	DMCH	DMCH	MEAN	STD	DMCH
POSITION	DAY	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN
CORPORAL	1	0.8	0.8	2.9	0.9	0.8	0.4	3.9	4.0	31.5	29.0	0.9	1.1	5.0	12.4	
	2	1.3	2.1			1.0	1.5			42.0	58.9	2.6	2.0	12.3	33.3	
	3	3.5	1.6											3.5	1.6	
	4	2.1	3.9											2.1	3.9	
ALL	1	1.8	2.5	2.9	0.9	0.9	1.0	3.9	4.0	39.0	49.8	2.1	1.9	7.7	23.2	
	2															
	3															
	4															
DRIVER	1															
	2	0.1	0.1			1.2	1.9			59.5	17.9	7.4	7.8	16.2	27.2	
	3	2.3	2.3											2.3	2.3	
	4	5.8	5.2											5.8	5.2	
ALL	1	2.2	3.6	2.8	4.0	1.0	1.4	1.3	2.1	150.4	210.8	3.0	5.0	30.4	105.9	
	2															
	3															
	4															
GUNNER	1									68.0	1.4	0.1	0.1	27.3	37.2	
	2															
	3									79.0	104.8	0.9		59.5	94.1	
	4									74.6	74.4	0.4	0.5	41.6	65.5	
FOUNDER	1															
	2	0.3	0.1	3.0	0.2	3.8	7.1	1.2	0.9	37.7	23.2	0.6	0.2	6.9	14.9	
	3	0.2	0.3			2.4	3.6			26.7	33.3	2.4	2.0	6.5	16.5	
	4	2.2	3.0											2.2	3.0	
ALL	1	19.3	32.5											19.3	32.5	
	2															
	3															
	4	5.2	16.3	3.0	0.2	3.2	5.8	1.2	0.9	32.2	26.4	1.7	1.7	7.5	16.8	
ALL	1	0.6	1.1	2.9	1.7	1.7	4.5	1.7	2.1	118.9	188.6	0.6	0.7	22.5	89.4	
	2															
	3															
	4															

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

50

ALL	COMBINATION OF FORT & VEHICLE TYPE															
	STILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	DMCH	DMCH	DMCH	DMCH	DMCH	DMCH	DMCH	DMCH	DMCH
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
1 DAY																
2	0.5	1.3			1.5	2.3			51.0	56.0	3.3	3.6	15.4	36.5		
3	2.6	2.3											2.6	2.3		
4	8.3	17.6											8.3	17.6		
ALL	3.1	9.6	2.9	1.7	1.7	3.6	1.7	2.1	81.2	133.9	2.0	2.9	17.1	65.0		

CONCENTRATION (FIRE CONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORD & VEHICLE TYPE											
		CARSON-M109			BENNING-M3			KNOX-M60			CARSON-M60		
		KNOX-M1			DMBZ			DMBZ			DMBZ		
		ALL			DMBZ			DMBZ			DMBZ		
		# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX
POSITION	DAY												
COMMANDER	1	2.0	18.0	1.0	50.0	3.0	15.0	2.0	15.0	1.0	340.0	1.0	32.0
	2	2.0	14.0	.1	.1	2.0	16.0	.1	.1	3.0	340.0	3.0	36.0
	3	2.0	30.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0
	4	3.0	22.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	3.0
ALL		9.0	30.0	1.0	50.0	5.0	16.0	2.0	15.0	4.0	340.0	4.0	36.0
DRIVER	DAY												
	1	2.0	13.0	1.0	96.0	2.0	1.7	2.0	14.0	1.0	52.0	2.0	42.0
	2	3.0	22.0	.1	.1	3.0	33.0	.1	.1	2.0	150.0	1.0	26.0
	4	2.0	19.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0
ALL		7.0	22.0	1.0	96.0	5.0	33.0	2.0	14.0	3.0	150.0	3.0	42.0
LOADER	DAY												
	1	2.0	18.0	2.0	78.0	2.0	47.0	2.0	10.0	2.0	320.0	2.0	15.0
	2	3.0	27.0	.1	.1	2.0	13.0	.1	.1	1.0	200.0	2.0	31.0
	3	1.0	17.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	1.0
	4	2.0	50.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0
ALL		8.0	50.0	2.0	78.0	4.0	47.0	2.0	10.0	3.0	320.0	4.0	31.0
ALL	DAY												
	1	6.0	18.0	4.0	96.0	7.0	47.0	6.0	15.0	4.0	340.0	5.0	42.0
	2	8.0	27.0	.1	.1	7.0	33.0	.1	.1	6.0	340.0	6.0	36.0
	3	3.0	30.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	3.0
	4	7.0	50.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	7.0
ALL		24.0	50.0	4.0	96.0	14.0	47.0	6.0	15.0	10.0	340.0	11.0	42.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE														
		ALL												
		SILL-M109	CARSON-M109	BINNING-M3	KNOX-M60	CARSON-M60	KNOX-M1							
		DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.
POSITION	DAY	1	1	1	1	1	1	1	1	1	1	1	1	1
COMMANDER	1	2.0	6.8	1.0	30.0	2.0	22.0	1.0	91.0	1.0	22.0	7.0	91.0	1.0
	2	3.0	14.0	1	2.0	61.0	1	2.0	500.0	2.0	44.0	9.0	500.0	2.0
	3	1.0	38.0	1	1	1	1	1	1	1	1	1.0	38.0	1
	4	2.0	23.0	1	1	1	1	1	1	1	1	2.0	23.0	1
	ALL	8.0	38.0	1.0	30.0	4.0	61.0	1	3.0	500.0	3.0	44.0	19.0	500.0
DRIVER	DAY	1	1	1	1	1	1	1	1	1	1	1	1	1
	1	3.0	17.0	1.0	10.0	2.0	16.0	1.0	4.6	4.0	690.0	2.0	22.0	13.0
	2	2.0	21.0	1	2.0	14.0	1	2.0	410.0	1.0	21.0	7.0	410.0	1
	3	3.0	34.0	1	1	1	1	1	1	1	1	3.0	34.0	1
	4	3.0	49.0	1	1	1	1	1	1	1	1	3.0	49.0	1
	ALL	11.0	49.0	1.0	10.0	4.0	16.0	1.0	4.6	6.0	690.0	3.0	22.0	26.0
GUNNER	DAY	1	1	1	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	2.0	2.0	460.0	2.0	6.1	5.0
	2	1	1	1	1	1	1	1	3.0	460.0	1.0	15.0	4.0	
	ALL	1	1	1	1	1	1	1	5.0	460.0	3.0	15.0	9.0	
	DAY	1	1	1	1	1	1	1	1	1	1	1	1	1
	1	2.0	8.0	1.0	97.0	4.0	8.4	2.0	19.0	1.0	330.0	10.0	330.0	1
	2	2.0	25.0	1	2.0	1.4	1	2.0	460.0	1.0	6.0	7.0	460.0	1
	3	3.0	39.0	1	1	1	1	1	1	1	1	3.0	39.0	1
	4	2.0	47.0	1	1	1	1	1	1	1	1	2.0	47.0	1
	ALL	9.0	47.0	1.0	97.0	6.0	8.4	2.0	19.0	3.0	460.0	1.0	6.0	22.0
	DAY	1	1	1	1	1	1	1	1	1	1	1	1	1

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

53

SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE													
	STILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL
	DMBZ	# OF VEHS.	DMBZ	# OF VEHS.	DMBZ	# OF VEHS.	DMBZ	# OF VEHS.	DMBZ	# OF VEHS.	DMBZ	# OF VEHS.	DMBZ
DAY	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
1	17.0	3.0	97.0	8.0	22.0	4.0	19.0	8.0	690.0	5.0	22.0	35.0	690.0
2	25.0	.1	.1	6.0	61.0	.1	.1	9.0	500.0	5.0	44.0	27.0	500.0
3	39.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	7.0	39.0
4	49.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	7.0	49.0
ALL	28.0	49.0	3.0	97.0	14.0	61.0	4.0	19.0	17.0	690.0	10.0	44.0	76.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UC/M3)

ALL

		COMBINATION OF FORK & VEHICLE TYPE											
POSITION	DAY	STILL-M109			CARSON-M109			BENNING-M3			KNOX-M60		
		DMBZ	MAX	# OF VEHS.	DMBZ	MAX	# OF VEHS.	DMBZ	MAX	# OF VEHS.	DMBZ	MAX	# OF VEHS.
COMMANDER	1	4.0	18.0	2.0	50.0	5.0	22.0	2.0	15.0	2.0	340.0	2.0	32.0
	2	5.0	14.0	.	.	4.0	61.0	.	.	5.0	500.0	5.0	44.0
	3	3.0	38.0	.	.	.	.	.	.	.	.	.	3.0
	4	5.0	23.0	.	.	.	.	.	.	.	.	.	5.0
	ALL	17.0	38.0	2.0	50.0	9.0	61.0	2.0	15.0	7.0	500.0	7.0	44.0
DRIVER	1	5.0	17.0	2.0	96.0	4.0	16.0	3.0	14.0	5.0	690.0	4.0	42.0
	2	5.0	22.0	.	.	5.0	33.0	.	.	4.0	410.0	2.0	26.0
	3	3.0	34.0	.	.	.	.	.	.	.	.	.	3.0
	4	5.0	49.0	.	.	.	.	.	.	.	.	.	5.0
	ALL	18.0	49.0	2.0	96.0	9.0	33.0	3.0	14.0	9.0	690.0	6.0	42.0
GUNNER	1	.	.	.	.	.	.	1.0	2.0	2.0	460.0	2.0	6.1
	2	.	.	.	.	.	.	.	.	3.0	460.0	1.0	15.0
	3	.	.	.	.	.	.	1.0	2.0	5.0	460.0	3.0	15.0
	4	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	.	.	.	.	.	.	.	.	.	.	.	.
LOADER	1	4.0	18.0	3.0	97.0	6.0	47.0	4.0	19.0	3.0	330.0	2.0	15.0
	2	5.0	27.0	.	.	4.0	13.0	.	.	3.0	460.0	3.0	31.0
	3	4.0	39.0	.	.	.	.	.	.	.	.	.	4.0
	4	4.0	50.0	.	.	.	.	.	.	.	.	.	4.0
	ALL	17.0	50.0	3.0	97.0	10.0	47.0	4.0	19.0	6.0	460.0	5.0	31.0

(CONTINUED)

		COMBINATION OF TRUCK & VEHICLE TYPE														
		CARSON-M109			BENNING-M3			KNOX-M60			CARSON-M60			KNOX-M1		
		DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	
ALL	TOTAL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	1	13.0	18.0	7.0	97.0	15.0	47.0	10.0	19.0	12.0	690.0	10.0	42.0	67.0	690.0	
	12	15.0	27.0	.	.	13.0	61.0	.	.	15.0	500.0	11.0	44.0	54.0	500.0	
	13	10.0	39.0	.	.	.	.	.	.	.	.	.	.	10.0	39.0	
	14	14.0	50.0	.	.	.	.	.	.	.	.	.	.	14.0	50.0	
	TOTAL	52.0	50.0	7.0	97.0	28.0	61.0	10.0	19.0	27.0	690.0	21.0	44.0	145.0	690.0	

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE													
		STILL-M109	CARSON-M109	BLNNG-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL							
		DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ							
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY														
COMMANDER	1	17.0	1.4	50.0		6.5	7.4	8.8	8.8	340.0		32.0		49.3	103.2
	2	11.0	4.2			11.6	6.2			196.7	124.2	17.7	15.8	68.8	106.2
	3	22.0	11.3											22.0	11.3
	4	7.3	12.7											7.3	12.7
ALL		13.6	9.8	50.0		8.5	6.7	8.8	8.8	232.5	124.2	21.3	14.8	49.9	93.2
DRIVER	1	12.5	0.7	96.0		1.6	0.1	7.0	9.9	52.0		21.0	29.7	23.2	31.3
	2	17.7	6.7			14.1	16.8			107.5	60.1	26.0		37.4	46.1
	4	17.0	2.8											17.0	2.8
	ALL	16.0	4.7	96.0		9.1	13.7	7.0	9.9	89.0	53.2	22.7	21.2	28.7	36.8
LOADER	1	15.0	4.2	77.5	0.7	35.5	16.3	5.5	6.4	245.0	106.1	12.3	3.7	65.1	93.5
	2	19.2	10.2			8.0	7.1			200.0		29.5	2.1	41.6	64.8
	3	17.0												17.0	
	4	30.0	28.3											30.0	28.3
ALL		20.6	13.5	77.5	0.7	21.8	18.9	5.5	6.4	230.0	79.4	20.9	10.2	51.8	77.3
ALL	1	14.8	2.9	75.3	19.0	13.4	17.2	7.1	6.7	220.5	135.6	19.7	17.0	47.1	82.4
	2	16.6	7.6			11.6	10.8			167.5	95.2	23.0	11.7	50.3	76.8
	3	20.3	8.5											20.3	8.5
	4	16.6	17.1											16.6	17.1
ALL		16.6	10.2	75.3	19.0	12.5	13.8	7.1	6.7	188.7	109.1	21.5	13.7	44.1	74.2

CONCENTRATION (FIRCONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE															
		STILL-M109				BENNING-M3				KNOX-M60				CARSON-M60			
		DMBZ				DMBZ				DMBZ				DMBZ			
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY																
COMMANDER	1	5.4	2.0	30.0	.	21.5	0.7	.	.	91.0	.	22.0	.	28.1	29.2		
	2	10.3	3.4	.	.	32.4	40.4	.	.	310.0	268.7	24.2	28.0	84.9	160.3		
	3	38.0	.	.	.	.	.	.	.	.	.	.	.	38.0	.		
	4	11.5	16.3	.	.	.	.	.	.	.	.	.	.	11.5	16.3		
	ALL	12.8	12.3	30.0	.	27.0	24.2	.	.	237.0	228.2	23.5	19.8	53.8	112.6		
DRIVER	1	9.3	6.7	10.0	.	8.8	10.1	4.6	.	495.0	199.4	14.3	11.0	159.1	253.6		
	2	12.4	12.1	.	.	13.5	0.7	.	.	385.0	35.4	21.0	.	120.4	181.4		
	3	21.3	11.0	.	.	.	.	.	.	.	.	.	.	21.3	11.0		
	4	21.3	25.1	.	.	.	.	.	.	.	.	.	.	21.3	25.1		
	ALL	16.4	14.4	10.0	.	11.2	6.4	4.6	.	458.3	165.3	16.5	8.7	116.9	204.8		
GUNNER	1	.	.	.	.	.	.	2.0	.	405.0	77.8	3.0	4.3	163.6	223.8		
	2	.	.	.	.	.	.	.	.	286.7	151.4	15.0	.	218.8	183.7		
	3	.	.	.	.	.	.	2.0	.	334.0	131.1	7.0	7.5	188.1	196.3		
	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
	ALL	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
LOADER	1	7.5	0.6	97.0	.	3.4	3.4	10.4	12.2	330.0	.	.	.	47.6	103.4		
	2	15.0	14.1	.	.	1.4	0.0	.	.	263.5	277.9	6.0	.	80.8	168.8		
	3	22.4	15.5	.	.	.	.	.	.	.	.	.	.	22.4	15.5		
	4	29.0	25.5	.	.	.	.	.	.	.	.	.	.	29.0	25.5		
	ALL	18.9	15.2	97.0	.	2.7	2.8	10.4	12.2	285.7	200.2	6.0	.	53.1	115.1		
ALL	1	7.7	4.3	45.7	45.6	9.3	9.1	6.8	8.2	401.4	193.4	11.3	10.1	101.7	188.0		

(CONTINUED)

CONCENTRATION (FIRE CONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

	COMBINATION OF FORT & VEHICLE TYPE													
	STILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ
MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN
DAY														
12	12.3	8.1		15.8	22.8			308.6	163.5	18.1	16.0	112.9	168.1	
13	24.2	12.6										24.2	12.6	
14	20.7	20.3										20.7	20.3	
ALL	16.2	13.8	45.7	45.6	12.1	16.0	6.8	8.2	352.2	178.9	14.7	91.1	164.2	

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

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ALL	COMBINATION OF FORT & VEHICLE TYPE															
	POSITION	DAY	MEAN	STD	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	DMBZ	MEAN	STD	DMBZ	MEAN	STD
COMMANDER	1	11.2	6.8	40.0	14.1	12.5	9.7	8.8	215.5	176.1	27.0	7.1	40.6	80.2		
	2	10.6	3.2			22.0	26.5		242.0	172.1	20.3	18.3	76.4	130.9		
	3	27.3	12.2										27.3	12.2		
	4	9.0	12.3										9.0	12.3		
	ALL	13.2	10.7	40.0	14.1	16.7	18.3	8.8	234.4	158.4	22.2	15.5	51.6	100.8		
DRIVER	1	10.6	5.1	53.0	60.8	5.2	7.2	6.2	7.1	406.4	262.8	17.6	18.7	100.0	200.5	
	2	15.6	8.2			13.9	11.9			246.3	165.2	23.5	3.5	73.7	126.9	
	3	21.3	11.0										21.3	11.0		
	4	19.6	18.0										19.6	18.0		
	ALL	16.3	11.4	53.0	60.8	10.0	10.5	6.2	7.1	335.2	227.8	19.6	14.9	77.5	159.2	
GUNNER	1							2.0		405.0	77.8	3.0	4.3	163.6	223.8	
	2									286.7	151.4	15.0		218.8	183.7	
	ALL							2.0		334.0	131.1	7.0	7.5	188.1	196.3	
LOADER	1	11.3	5.0	84.0	11.3	14.1	18.3	7.9	8.4	273.3	89.6	12.3	3.7	57.2	96.1	
	2	17.6	10.3			4.7	5.6			242.3	199.9	21.7	13.7	59.9	121.4	
	3	21.0	13.0										21.0	13.0		
	4	29.5	22.0										29.5	22.0		
	ALL	19.7	14.0	84.0	11.3	10.3	14.8	7.9	8.4	257.8	139.6	17.9	11.1	52.4	96.5	
ALL	DAY															
	1	11.0	5.2	62.6	33.5	11.2	13.1	7.0	6.9	341.1	15.5	13.9	75.6	148.9		

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

60

ALL	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ	DMBZ
DAY	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
1	14.6	7.9	13.6	16.7	252.1	153.7	20.8	13.3	81.6	133.3						
2	23.0	11.2														
3	18.6	18.2														
4	16.4	12.2	62.6	33.5	12.3	14.7	7.0	6.9	291.7	174.0	18.3	13.5	68.7	131.2		
ALL																

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE	GENERAL AREA	COMBINATION OF FORT & VEHICLE TYPE															
		SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60			
		NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION	DAY																
COMMANDER	1	2.0	2.6	1.0	21.0	3.0	0.8	2.0	23.0	1.0	330.0	1.0	11.0	10.0	330.0		
	2	2.0	6.5			2.0	0.4				3.0	1500.0	3.0	6.8	10.0	1500.0	
	3	2.0	15.0												2.0	15.0	
	4	3.0	18.0												3.0	18.0	
ALL		9.0	18.0	1.0	21.0	5.0	0.8	2.0	23.0	4.0	1500.0	4.0	11.0	25.0	1500.0		
DRIVER	1	2.0	5.3	1.0	32.0	2.0	0.4	2.0	0.0	1.0	25.0	2.0	16.0	10.0	32.0		
	2	3.0	17.0			3.0	1.8				2.0	590.0	1.0	54.0	9.0	590.0	
	4	2.0	70.0												2.0	70.0	
	ALL	7.0	70.0	1.0	32.0	5.0	1.8	2.0	0.0	3.0	590.0	3.0	54.0	21.0	590.0		
LOADER	1	2.0	5.0	2.0	37.0	2.0	1.7	2.0	10.0	2.0	310.0	2.0	12.0	12.0	310.0		
	2	3.0	21.0			2.0	0.7			1.0	130.0	2.0	26.0	8.0	130.0		
	3	1.0	40.0											1.0	40.0		
	4	2.0	84.0												2.0	84.0	
ALL		8.0	84.0	2.0	37.0	4.0	1.7	2.0	10.0	3.0	310.0	4.0	26.0	23.0	310.0		
ALL	1	6.0	5.3	4.0	37.0	7.0	1.7	6.0	23.0	4.0	330.0	5.0	16.0	32.0	330.0		
	2	8.0	21.0			7.0	1.8				6.0	1500.0	6.0	54.0	27.0	1500.0	
	3	3.0	40.0												3.0	40.0	
	4	7.0	84.0												7.0	84.0	
ALL		24.0	84.0	4.0	37.0	14.0	1.8	6.0	23.0	10.0	1500.0	11.0	54.0	69.0	1500.0		

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE												ALL	
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	NON	NON	NON	NON	NON	NON		
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
POSITION DAY		MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
COMMANDER	1	2.0	1.2	1.0	13.0	2.0	0.9	.	.	1.0	44.0	1.0	6.9	7.0	44.0
	2	3.0	7.6	.	.	2.0	2.0	.	.	2.0	650.0	2.0	31.0	9.0	650.0
	3	1.0	22.0	.	.	.	.	.	.	.	.	.	.	1.0	22.0
	4	2.0	3.3	.	.	.	.	.	.	.	.	.	.	2.0	3.3
	ALL	8.0	22.0	1.0	13.0	4.0	2.0	.	.	3.0	650.0	3.0	31.0	19.0	650.0
DRIVER DAY															
1		3.0	5.8	1.0	13.0	2.0	0.8	1.0	0.5	4.0	1900.0	2.0	23.0	13.0	1900.0
2		2.0	3.9	.	.	2.0	0.5	.	.	2.0	810.0	1.0	14.0	7.0	810.0
3		3.0	14.0	.	.	.	.	.	.	.	.	.	.	3.0	14.0
4		3.0	18.0	.	.	.	.	.	.	.	.	.	.	3.0	18.0
ALL		11.0	18.0	1.0	13.0	4.0	0.8	1.0	0.5	6.0	1900.0	3.0	23.0	26.0	1900.0
GUNNER DAY															
1		.	.	.	.	.	.	1.0	0.4	2.0	640.0	2.0	3.6	5.0	640.0
2		.	.	.	.	.	.	.	.	3.0	1800.0	1.0	7.5	4.0	1800.0
ALL		.	.	.	.	.	.	1.0	0.4	5.0	1800.0	3.0	7.5	9.0	1800.0
LOADER DAY															
1		2.0	2.2	1.0	28.0	4.0	1.4	2.0	33.0	1.0	380.0	.	.	10.0	380.0
2		2.0	5.4	.	.	2.0	0.7	.	.	2.0	840.0	1.0	3.3	7.0	840.0
3		3.0	6.1	.	.	.	.	.	.	.	.	.	.	3.0	6.1
4		2.0	6.7	.	.	.	.	.	.	.	.	.	.	2.0	6.7
ALL		9.0	6.7	1.0	28.0	6.0	1.4	2.0	33.0	3.0	840.0	1.0	3.3	22.0	840.0

(CONTINUED)

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CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60			
	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.
POSITION	DAY	ALL	DAY	ALL	DAY	ALL	DAY	ALL	DAY	ALL	DAY	ALL	DAY	ALL	DAY	ALL
COMMANDER	1	4.0	2.6	2.0	21.0	5.0	0.9	2.0	23.0	2.0	330.0	2.0	11.0	17.0	330.0	ALL
	2	5.0	7.6	.	4.0	2.0	.	.	.	5.0	1500.0	5.0	31.0	19.0	1500.0	NON
	3	3.0	22.0	.	.	.	.	.	.	.	.	.	.	3.0	22.0	NON
	4	5.0	18.0	.	.	.	.	.	.	.	.	.	.	5.0	18.0	NON
	ALL	17.0	22.0	2.0	21.0	9.0	2.0	2.0	23.0	7.0	1500.0	7.0	31.0	44.0	1500.0	ALL
DRIVER	1	5.0	5.8	2.0	32.0	4.0	0.8	3.0	0.5	5.0	1900.0	4.0	23.0	23.0	1900.0	ALL
	2	5.0	17.0	.	.	5.0	1.8	.	.	4.0	810.0	2.0	54.0	16.0	810.0	NON
	3	3.0	14.0	.	.	.	.	.	.	.	.	.	.	3.0	14.0	NON
	4	5.0	70.0	.	.	.	.	.	.	.	.	.	.	5.0	70.0	NON
	ALL	18.0	70.0	2.0	32.0	9.0	1.8	3.0	0.5	9.0	1900.0	6.0	54.0	47.0	1900.0	ALL
GUNNER	1	.	.	.	.	.	.	1.0	0.4	2.0	640.0	2.0	3.6	5.0	640.0	ALL
	2	.	.	.	.	.	.	.	.	3.0	1800.0	1.0	7.5	4.0	1800.0	NON
	3	.	.	.	.	.	.	1.0	0.4	5.0	1800.0	3.0	7.5	9.0	1800.0	NON
	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	NON
	ALL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	NON
LOADER	1	4.0	5.0	3.0	37.0	6.0	1.7	4.0	33.0	3.0	380.0	2.0	12.0	22.0	380.0	ALL
	2	5.0	21.0	.	.	4.0	0.7	.	.	3.0	840.0	3.0	26.0	15.0	840.0	NON
	3	4.0	40.0	.	.	.	.	.	.	.	.	.	.	4.0	40.0	NON
	4	4.0	84.0	.	.	.	.	.	.	.	.	.	.	4.0	84.0	NON
	ALL	17.0	84.0	3.0	37.0	10.0	1.7	4.0	33.0	6.0	840.0	5.0	26.0	45.0	840.0	ALL

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

65

ALL	COMBINATION OF FORT & VEHICLE TYPE											
	SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
	NON	NON	NON	NON	NON	NON	NON	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.
DAY	1	2	3	4	ALL	1	2	3	4	ALL	1	2
1	13.0	5.8	7.0	37.0	15.0	1.7	10.0	33.0	12.0	1900.0	10.0	23.0
2	15.0	21.0	.1	13.0	2.0	.1	15.0	1800.0	11.0	54.0	54.0	1800.0
3	10.0	40.0	.1	.1	.1	.1	.1	.1	.1	10.0	40.0	
4	14.0	84.0	.1	.1	.1	.1	.1	.1	.1	14.0	84.0	
ALL	52.0	84.0	7.0	37.0	28.0	2.0	10.0	33.0	27.0	1900.0	21.0	54.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE GENERAL AREA		COMBINATION OF PORT & VEHICLE TYPE															
		STILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
COMMANDER	POSITION/DAY																
	1	2.0	0.8	21.0		0.6	0.2	14.1	12.5	330.0		11.0		39.6	102.4		
	2	5.9	0.8			0.3	0.1			535.7	835.2	2.9	3.5	162.8	470.3		
	3	9.6	7.6											9.6	7.6		
	4	6.0	10.4											6.0	10.4		
DRIVER	ALL	5.9	6.5	21.0		0.5	0.2	14.1	12.5	484.3	689.6	4.9	4.9	82.5	302.5		
	DAY																
	1	3.1	3.1	32.0		0.4	0.1	0.0	0.0	25.0		8.0	11.3	8.0	12.0		
	2	11.6	8.4			0.8	0.9			328.0	370.5	54.0		83.0	191.7		
	4	44.5	36.1											44.5	36.1		
LOADER	ALL	18.6	23.9	32.0		0.6	0.7	0.0	0.0	227.0	315.0	23.3	27.7	43.6	127.1		
	DAY																
	1	3.3	2.4	34.5	3.5	1.5	0.3	5.4	6.5	245.0	91.9	6.4	8.0	49.3	96.3		
	2	14.3	10.0			0.5	0.4			130.0		21.0	7.1	27.0	42.8		
	3	40.0												40.0			
ALL	4	52.0	45.3											52.0	45.3		
	ALL	24.2	27.3	34.5	3.5	1.0	0.7	5.4	6.5	206.7	92.9	13.7	10.5	41.4	73.7		
	DAY																
	1	2.8	1.9	30.5	6.8	0.8	0.5	6.5	9.0	211.3	140.9	7.9	7.2	33.4	81.8		
	2	11.2	7.8			0.6	0.6			398.8	578.1	17.5	20.3	96.0	302.7		
ALL	3	19.7	18.4											19.7	18.4		
	4	30.1	33.4											30.1	33.4		
	ALL	15.7	21.3	30.5	6.8	0.7	0.5	6.5	9.0	323.8	449.0	13.1	15.9	57.0	198.0		

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE		COMBINATION OF FORK & VEHICLE TYPE															
		SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60			
		NON	STD	MEAN	STD	NON	STD	MEAN	STD	NON	STD	MEAN	STD	NON	STD	MEAN	STD
POSITION	DAY																
COMMANDER	1	1.1	0.1	13.0				0.8	0.1							6.9	
	2	5.8	2.7					1.0	1.4							16.6	20.3
	3	22.0															
	4	1.6	2.3														
	ALL	5.6	7.2	13.0				0.9	0.8							13.4	15.4
DRIVER	1	3.4	2.1	13.0				0.7	0.1	0.5						11.7	16.0
	2	2.7	1.6					0.4	0.1							14.0	
	3	7.5	6.1														
	4	7.5	9.4														
	ALL	5.5	5.6	13.0				0.6	0.2	0.5						12.4	11.4
GUNNER	1																
	2																
	3																
	4																
	ALL																
LOADER	1	1.5	1.0	28.0				0.7	0.6	16.6							
	2	3.9	2.1					0.5	0.3								
	3	2.5	3.2														
	4	5.1	2.3														
	ALL	3.2	2.4	28.0				0.6	0.5	16.6	23.3	414.3	409.6	3.3			
ALL	DAY																
1		2.2	1.7	18.0				0.7	0.4	8.5	16.3	695.5	678.4	6.8		9.5	163.1

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE		COMBINATION OF FORI & VEHICLE TYPE											
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
		NON	NON	NON	NON	NON	NON	NON					
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
1 DAY													
2		4.4	2.3	.1	0.6	0.7	.1	517.9	582.1	11.6	11.8	176.1	406.2
3		7.4	7.9	.1	.1	.1	.1	.1	.1	.1	.1	7.4	7.9
4		5.1	6.2	.1	.1	.1	.1	.1	.1	.1	.1	5.1	6.2
ALL		4.8	5.3	18.0	8.7	0.7	0.5	8.5	16.3	601.5	615.7	9.2	10.4
												138.8	378.7

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

69

ALL

		COMBINATION OF FORT & VEHICLE TYPE																									
		SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL	
		NON		NON		NON		NON		NON		NON		NON		NON		NON		NON		NON					
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD				
POSITION	DAY																										
COMMANDER	1	1.6	0.7	17.0	5.7	0.7	0.2	14.1	12.5	187.0	202.2	8.9	2.9	27.3	78.9												
	2	5.8	1.9			0.7	0.9			462.2	635.0	8.4	12.9	125.5	363.9												
	3	15.7	9.0																								
	4	4.3	7.8																								
	ALL	5.8	6.6	17.0	5.7	0.7	0.6	14.1	12.5	383.6	541.9	8.6	10.6	66.2	246.0												
DRIVER	DAY																										
	1	3.3	2.2	22.5	13.4	0.5	0.2	0.2	0.3	815.0	367.8	9.8	11.5	181.7	503.4												
	2	8.1	7.7			0.6	0.7			434.0	330.7	36.0	28.3	115.5	241.1												
	3	7.5	6.7																								
	4	22.3	27.9																								
GUNNER	DAY																										
	1	10.6	16.2	22.5	13.4	0.6	0.5	0.2	0.3	645.7	676.6	17.9	19.9	131.1	379.3												
	2																										
	3																										
	ALL																										
LOADER	DAY																										
	1	2.4	1.8	32.3	4.5	0.9	0.6	11.0	15.3	290.0	101.5	6.4	8.0	47.2	104.3												
	2	10.1	9.1			0.5	0.3			331.0	444.0	15.1	11.4	72.7	214.7												
	3	11.9	18.9																								
	4	28.5	37.7																								
ALL	DAY																										
	1	13.1	21.1	32.3	4.5	0.7	0.6	11.0	15.3	310.5	289.0	11.6	10.2	50.9	142.6												
	2																										
	3																										
	ALL																										

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60			
	MEAN	STD	NON	NON	MEAN	STD	NON	NON	MEAN	STD	NON	NON	MEAN	STD	NON	NON
DAY	MEAN	STD	NON	NON	MEAN	STD	NON	NON	MEAN	STD	NON	NON	MEAN	STD	NON	NON
ALL	9.8	15.8	25.1	9.6	0.7	0.5	7.3	11.6	498.6	567.2	11.3	13.4	79.9	308.0		
2	8.0	6.7			0.6	0.6			470.3	562.7	14.8	16.5	136.0	357.1		
3	11.1	12.3													11.1	12.3
4	17.6	26.5													17.6	26.5
ALL	9.8	15.8	25.1	9.6	0.7	0.5	7.3	11.6	498.6	567.2	11.3	13.4	79.9	308.0		

CONCENTRATION (FIRE CONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

71

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE											
		STILL-M109			BENNING-M3			KNOX-R60			CARSON-M60		
		BZF			BZF			BZF			BZF		
		# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX	# OF VEH.	MAX
POSITION DAY													
COMMANDER	1	2.0	0.0	1.0	0.0	3.0	1.2	2.0	0.0	1.0	0.0	1.0	0.0
	2	2.0	0.0	.1	.1	2.0	0.2	.1	.1	3.0	0.0	3.0	0.0
	3	2.0	0.7	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0
	4	3.0	0.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	3.0
	ALL	9.0	0.7	1.0	0.0	5.0	1.2	2.0	0.0	4.0	0.0	4.0	0.0
DRIVER	1	2.0	0.0	1.0	0.0	2.0	0.0	2.0	0.0	1.0	0.0	2.0	0.0
	2	3.0	0.0	.1	.1	3.0	0.0	.1	.1	2.0	0.0	1.0	0.0
	4	2.0	0.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0
	ALL	7.0	0.0	1.0	0.0	5.0	0.0	2.0	0.0	3.0	0.0	3.0	0.0
	DAY												
LOADER	1	2.0	0.0	2.0	0.0	2.0	0.6	2.0	0.0	2.0	0.0	2.0	0.0
	2	3.0	0.0	.1	.1	2.0	0.0	.1	.1	1.0	0.0	2.0	0.0
	3	1.0	0.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	1.0
	4	2.0	0.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	2.0
	ALL	8.0	0.0	2.0	0.0	4.0	0.6	2.0	0.0	3.0	0.0	4.0	0.0
ALL	1	6.0	0.0	4.0	0.0	7.0	1.2	6.0	0.0	4.0	0.0	5.0	0.0
	2	8.0	0.0	.1	.1	7.0	0.2	.1	.1	6.0	0.0	6.0	0.0
	3	3.0	0.7	.1	.1	.1	.1	.1	.1	.1	.1	.1	3.0
	4	7.0	0.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	7.0
	ALL	24.0	0.7	4.0	0.0	14.0	1.2	6.0	0.0	10.0	0.0	11.0	0.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

SAMPLE TYPE	BREATHING ZONE	COMBINATION OF FORI & VEHICLE TYPE															
		STILL-M109				CARSON-M109				BENNING-M3				KNOX-M60			
		BZF	# OF VEHIS.	MAX	# OF VEHIS.	BZF	# OF VEHIS.	MAX	# OF VEHIS.	BZF	# OF VEHIS.	MAX	# OF VEHIS.	BZF	# OF VEHIS.	MAX	# OF VEHIS.
COMMANDER	POSITION DAY																
	1	2.0	0.0	1.0	0.0	2.0	0.0	0.0	1.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0
	2	3.0	0.0	1.0	2.0	0.0	1.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0
	3	1.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	4	2.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
DRIVER	ALL	8.0	0.0	1.0	0.0	4.0	0.0	0.0	1.0	3.0	0.0	0.0	3.0	0.0	0.0	19.0	0.0
	DAY																
	1	3.0	0.0	1.0	0.0	2.0	0.0	0.0	1.0	0.0	0.0	0.0	4.0	0.0	2.0	0.0	13.0
	2	2.0	0.0	1.0	1.0	2.0	1.0	1.0	1.0	2.0	0.0	0.0	2.0	0.0	1.0	0.0	7.0
	3	3.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GUNNER	ALL	11.0	0.0	1.0	0.0	4.0	1.0	1.0	1.0	1.0	0.0	0.0	6.0	0.0	3.0	0.0	26.0
	DAY																
	1	1.0	0.0	1.0	0.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0	2.0	0.0	2.0	0.0	5.0
	2	1.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	3.0	0.0	1.0	0.0	4.0
	ALL	1.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	5.0	0.0	3.0	0.0	9.0
LOADER	DAY																
	1	2.0	0.0	1.0	0.0	4.0	0.4	0.4	2.0	0.0	0.0	0.0	1.0	0.0	1.0	10.0	0.4
	2	2.0	0.0	1.0	1.0	2.0	0.0	0.0	1.0	2.0	0.0	0.0	2.0	0.0	1.0	0.0	7.0
	3	3.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0
	4	2.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
ALL	9.0	0.0	1.0	0.0	0.0	6.0	0.4	0.4	2.0	0.0	0.0	3.0	0.0	1.0	0.0	22.0	0.4

(CONTINUED)

SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE													
SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
BZF		BZF		BZF		BZF		BZF		BZF		BZF	
# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
DAY													
1	7.0	0.0	3.0	0.0	8.0	0.4	4.0	0.0	8.0	0.0	5.0	0.0	35.0
2	7.0	0.0	.	.	6.0	1.0	.	.	9.0	0.0	5.0	0.0	27.0
3	7.0	0.0	.	.	.	.	.	.	.	.	.	.	7.0
4	7.0	0.0	.	.	.	.	.	.	.	.	.	.	7.0
ALL	28.0	0.0	3.0	0.0	14.0	1.0	4.0	0.0	17.0	0.0	10.0	0.0	76.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

ALL

COMBINATION OF FORT & VEHICLE TYPE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	BZF				BZF				BZF				BZF				BZF				BZF				BZF																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

75

ALL

COMBINATION OF FORT & VEHICLE TYPE													
		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
		BZF		BZF		BZF		BZF		BZF		BZF	
# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
1 DAY													
1	13.0	0.0	7.0	0.0	15.0	1.2	10.0	0.0	12.0	0.0	10.0	0.0	67.0
2	15.0	0.0			13.0	1.0			15.0	0.0	11.0	0.0	54.0
3	10.0	0.7											10.0
4	14.0	0.0											14.0
ALL	52.0	0.7	7.0	0.0	28.0	1.2	10.0	0.0	27.0	0.0	21.0	0.0	145.0

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE															
		SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
		BZF		BZF		BZF		BZF		BZF		BZF		BZF			
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY																
COMMANDER	1	0.0	0.0	0.0		0.4	0.7	0.0	0.0	0.0		0.0		0.1	0.4		
	2	0.0	0.0			0.1	0.1			0.0	0.0	0.0	0.0	0.0	0.1		
	3	0.3	0.5											0.3	0.5		
	4	0.0	0.0											0.0	0.0		
	ALL	0.1	0.2	0.0		0.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3		
DRIVER	1																
	2	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		
	3	0.0	0.0														
	4	0.0	0.0														
	ALL	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
LOADER	1																
	2	0.0	0.0	0.0		0.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2		
	3	0.0	0.0														
	4	0.0	0.0														
	ALL	0.0	0.0	0.0		0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1		
ALL	1																
	2	0.0	0.0	0.0		0.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2		
	3	0.2	0.4											0.2	0.4		
	4	0.0	0.0														
	ALL	0.0	0.1	0.0		0.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2		

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

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SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE																									
		SILL-M109				CARSON-M109				BLNNG-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL	
		BZF				BZF				BZF				BZF				BZF				BZF				BZF	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD				
POSITION	DAY																										
COMMANDER	1	0.0	0.0	0.0		0.0	0.0			0.0	0.0			0.0	0.0			0.0	0.0			0.0	0.0				
	2	0.0	0.0			0.0	0.0			0.0	0.0			0.0	0.0			0.0	0.0			0.0	0.0				
	3	0.0																									
	4	0.0	0.0																								
	ALL	0.0	0.0	0.0		0.0	0.0			0.0	0.0			0.0	0.0			0.0	0.0			0.0	0.0				
DRIVER	1	0.0	0.0	0.0		0.0	0.0			0.0	0.0			0.0	0.0			0.0	0.0			0.0	0.0				
	2	0.0	0.0			0.5	0.7																				
	3	0.0	0.0																								
	4	0.0	0.0																								
	ALL	0.0	0.0	0.0		0.3	0.5			0.0	0.0			0.0	0.0			0.0	0.0			0.0	0.2				
GUNNER	1																										
	2																										
	3																										
	ALL																										
LOADER	1	0.0	0.0	0.0		0.1	0.2			0.0	0.0			0.0	0.0			0.0	0.0			0.0	0.0				
	2	0.0	0.0			0.0	0.0																				
	3	0.0	0.0																								
	4	0.0	0.0																								
	ALL	0.0	0.0	0.0		0.1	0.2			0.0	0.0			0.0	0.0			0.0	0.0			0.0	0.1				
ALL	DAY																										
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(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
		BZF	BZF	BZF	BZF	BZF	BZF	BZF					
MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
ALL													
1 DAY													
2	0.0	0.0		0.2	0.4		0.0	0.0	0.0	0.0	0.0	0.0	0.2
3	0.0	0.0										0.0	0.0
4	0.0	0.0										0.0	0.0
ALL	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

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ALL	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60			
	MEAN	STD	BZF	ALL	MEAN	STD	BZF	ALL	MEAN	STD	BZF	ALL	MEAN	STD	BZF	ALL
POSITION DAY																
COMMANDER																
1	0.0	0.0	0.0	0.0	0.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
2	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALL	0.0	0.2	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
DRIVER																
1 DAY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALL	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
GUNNER																
1 DAY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOADER																
1 DAY	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALL	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
ALL																
1 DAY	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (U³/M³)

ALL	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	BZF	BZF	BZF	BZF	BZF	BZF	BZF	BZF	BZF
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
DAY																
2	0.0	0.0			0.1	0.3					0.0	0.0	0.0	0.0	0.0	0.1
3	0.1	0.2													0.1	0.2
4	0.0	0.0													0.0	0.0
ALL	0.0	0.1	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

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SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORK & VEHICLE TYPE																	
		SILL-M109		CARSON-M109		BENNING-M3		KNOX-H60		CARSON-M60		KNOX-M1		ALL					
		DCB		DCB		DCB		DCB		DCB		DCB		DCB					
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY																			
COMMANDER	1	2.0	0.0	1.0	0.0	3.0	1.2	2.0	0.7	1.0	0.0	1.0	1.4	10.0	1.4				
	2	2.0	0.0	.	.	2.0	0.5	.	.	3.0	7.3	3.0	0.2	10.0	7.3				
	3	2.0	0.0	.	.	.	.	.	.	.	.	.	.	2.0	0.0				
	4	3.0	0.2	.	.	.	.	.	.	.	.	.	.	3.0	0.2				
	ALL	9.0	0.2	1.0	0.0	5.0	1.2	2.0	0.7	4.0	7.3	4.0	1.4	25.0	7.3				
DRIVER DAY																			
1	2.0	0.9	1.0	2.0	2.9	2.0	0.1	1.0	0.0	2.0	2.3	10.0	2.9						
2	3.0	0.0	.	3.0	0.9	.	.	2.0	1.3	1.0	0.0	9.0	1.3						
4	2.0	0.0	.	.	.	.	.	.	.	.	.	2.0	0.0						
ALL	7.0	0.9	1.0	5.0	2.9	2.0	0.1	3.0	1.3	3.0	2.3	21.0	2.9						
LOADER DAY																			
1	2.0	0.0	2.0	2.0	4.5	2.0	0.0	2.0	0.0	2.0	0.4	12.0	4.5						
2	3.0	0.0	.	2.0	0.7	.	.	1.0	5.3	2.0	0.9	8.0	5.3						
3	1.0	0.0	.	.	.	.	.	.	.	.	.	1.0	0.0						
4	2.0	0.0	.	.	.	.	.	.	.	.	.	2.0	0.0						
ALL	8.0	0.0	2.0	4.0	4.5	2.0	0.0	3.0	5.3	4.0	0.9	23.0	5.3						
ALL DAY																			
1	6.0	0.9	4.0	0.0	7.0	4.5	6.0	0.7	4.0	0.0	2.3	32.0	4.5						
2	8.0	0.0	.	7.0	0.9	.	.	6.0	7.3	6.0	0.9	27.0	7.3						
3	3.0	0.0	.	.	.	.	.	.	.	.	.	3.0	0.0						
4	7.0	0.2	.	.	.	.	.	.	.	.	.	7.0	0.2						
ALL	24.0	0.9	4.0	0.0	14.0	4.5	6.0	0.7	10.0	7.3	11.0	69.0	7.3						

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109			CARSON-M109			BENNING-M3			KNOX-M60		
		DCB			DCB			DCB			DCB		
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
POSITION DAY													
COMMANDER	1	2.0	0.1	1.0	0.0	2.0	42.0	.	1.0	1.4	1.0	1.3	7.0
	2	3.0	0.0	.	2.0	13.0	.	2.0	4.4	2.0	0.0	9.0	13.0
	3	1.0	2.5	.	.	.	.	.	.	.	.	1.0	2.5
	4	2.0	0.1	.	.	.	.	.	.	.	.	2.0	0.1
	ALL	8.0	2.5	1.0	0.0	4.0	42.0	.	3.0	4.4	3.0	1.3	19.0
DRIVER													
1	1	3.0	0.0	1.0	0.0	2.0	11.0	1.0	0.4	4.0	6.5	2.0	13.0
	2	2.0	0.0	.	.	2.0	42.0	.	.	2.0	0.0	1.0	7.0
	3	3.0	0.0	.	.	.	.	.	.	.	.	.	3.0
	4	3.0	0.2	.	.	.	.	.	.	.	.	.	3.0
	ALL	11.0	0.2	1.0	0.0	4.0	42.0	1.0	0.4	6.0	6.5	3.0	26.0
GUNNER													
1	1	.	.	.	.	.	.	1.0	0.3	2.0	0.0	2.0	5.0
	2	.	.	.	.	.	.	.	.	3.0	20.0	1.0	4.0
	3	.	.	.	.	.	.	1.0	0.3	5.0	20.0	3.0	9.0
	4	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	4.0	0.0	4.0	0.0	4.0	42.0	2.0	0.6	10.0	40.0	6.0	18.0
LOADER													
1	1	2.0	0.0	1.0	0.0	4.0	12.0	2.0	0.3	1.0	14.0	.	10.0
	2	2.0	0.0	.	.	2.0	11.0	.	.	2.0	1.4	1.0	7.0
	3	3.0	0.0	.	.	.	.	.	.	.	.	.	3.0
	4	2.0	2.4	.	.	.	.	.	.	.	.	.	2.0
	ALL	9.0	2.4	1.0	0.0	6.0	12.0	2.0	0.3	3.0	14.0	1.0	22.0

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE											
		SILL-M109	CARBON-M109	BENNING-M3	KNOX-M60	CARBON-M60	KNOX-M1	ALL					
		DCB	DCB	DCB	DCB	DCB	DCB	DCB					
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
1 DAY													
1		7.0	0.1	3.0	0.0	4.0	0.4	8.0	14.0	5.0	1.3	35.0	42.0
2		7.0	0.0	.	.	4.0	.	9.0	20.0	5.0	0.0	27.0	42.0
3		7.0	2.5	.	.	.	.	.	.	.	.	7.0	2.5
4		7.0	2.4	.	.	.	.	.	.	.	.	7.0	2.4
ALL		28.0	2.5	3.0	0.0	14.0	4.0	17.0	20.0	10.0	1.3	76.0	42.0

CONCENTRATION (FIRCONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE															
	STUE-M109				CARSON-M109				BENNING-M3				KNOX-M60			
	DCB	# OF VEHS.	MAX	# OF VEHS.	DCB	# OF VEHS.	MAX	# OF VEHS.	DCB	# OF VEHS.	MAX	# OF VEHS.	DCB	# OF VEHS.	MAX	# OF VEHS.
POSITION DAY																
COMMANDER																
1	4.0	0.1	2.0	0.0	5.0	42.0	2.0	0.7	2.0	1.4	2.0	1.4	2.0	1.4	17.0	42.0
2	5.0	0.0	.	.	4.0	13.0	.	.	5.0	7.3	5.0	0.2	19.0	13.0		
3	3.0	2.5	.	.	.	.	.	.	.	.	.	.	.	3.0	2.5	
4	5.0	0.2	.	.	.	.	.	.	.	.	.	.	.	5.0	0.2	
ALL	17.0	2.5	2.0	0.0	9.0	42.0	2.0	0.7	7.0	7.3	7.0	1.4	44.0	42.0		
DRIVER																
DAY																
1	5.0	0.9	2.0	0.0	4.0	11.0	3.0	0.4	5.0	6.5	4.0	2.3	23.0	11.0		
2	5.0	0.0	.	.	5.0	42.0	.	.	4.0	1.3	2.0	0.0	16.0	42.0		
3	3.0	0.0	.	.	.	.	.	.	.	.	.	.	3.0	0.0		
4	5.0	0.2	.	.	.	.	.	.	.	.	.	.	5.0	0.2		
ALL	18.0	0.9	2.0	0.0	9.0	42.0	3.0	0.4	9.0	6.5	6.0	2.3	47.0	42.0		
GUNNER																
DAY																
1	.	.	.	.	.	.	.	1.0	0.3	2.0	0.0	2.0	0.3	5.0	0.3	
2	.	.	.	.	.	.	.	.	.	3.0	20.0	1.0	0.0	4.0	20.0	
ALL	.	.	.	.	.	.	.	1.0	0.3	5.0	20.0	3.0	0.3	9.0	20.0	
LOADER																
DAY																
1	4.0	0.0	3.0	0.0	6.0	12.0	4.0	0.3	3.0	14.0	2.0	0.4	22.0	14.0		
2	5.0	0.0	.	.	4.0	11.0	.	.	3.0	5.3	3.0	0.9	15.0	11.0		
3	4.0	0.0	.	.	.	.	.	.	.	.	.	.	4.0	0.0		
4	4.0	2.4	.	.	.	.	.	.	.	.	.	.	4.0	2.4		
ALL	17.0	2.4	3.0	0.0	10.0	12.0	4.0	0.3	6.0	14.0	5.0	0.9	45.0	14.0		

(CONTINUED)

CONCENTRATION (FIRCONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE													
	STILL-M109	CARSON-M109	BURNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	DCB	DCB	DCB	DCB	DCB	DCB	DCB
	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
DAY	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
1	13.0	0.9	7.0	0.0	15.0	42.0	10.0	0.7	12.0	14.0	10.0	2.3	67.0	42.0
2	15.0	0.0	.1	.1	13.0	42.0	.1	.1	15.0	20.0	11.0	0.9	54.0	42.0
3	10.0	2.5	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	10.0	2.5
4	14.0	2.4	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	14.0	2.4
ALL	52.0	2.5	7.0	0.0	28.0	42.0	10.0	0.7	27.0	20.0	21.0	2.3	145.0	42.0

CONCENTRATION (FIRE CONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE															
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY																	
COMMANDER	1	0.0	0.0	0.0	0.0	0.8	0.7	0.4	0.3	0.0	0.0	1.4	0.0	0.5	0.6		
	2	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	4.8	4.1	0.1	0.1	1.5	3.0		
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	ALL	0.0	0.1	0.0	0.0	0.6	0.5	0.4	0.3	3.6	4.1	0.4	0.7	0.8	2.0		
DRIVER DAY																	
1	0.5	0.7	0.0	0.0	0.0	1.6	1.8	0.1	0.1	0.0	0.0	1.1	1.6	0.7	1.1		
2	0.0	0.0	0.0	0.0	0.0	0.7	0.2	0.0	0.0	0.6	0.9	0.0	0.0	0.4	0.5		
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
ALL	0.1	0.4	0.0	0.0	0.0	1.1	1.1	0.1	0.1	0.4	0.8	0.8	1.3	0.5	0.8		
LOADER DAY																	
1	0.0	0.0	0.0	0.0	0.0	2.8	2.5	0.0	0.0	0.0	0.0	0.2	0.3	0.5	1.3		
2	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.0	0.0	5.3	0.0	0.5	0.7	0.9	1.8		
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
ALL	0.0	0.0	0.0	0.0	0.0	1.6	2.0	0.0	0.0	1.8	3.1	0.3	0.4	0.6	1.4		
ALL DAY																	
1	0.2	0.4	0.0	0.0	0.0	1.6	1.6	0.2	0.3	0.0	0.0	0.8	1.0	0.5	1.0		
2	0.0	0.0	0.0	0.0	0.0	0.5	0.2	0.0	0.0	3.5	3.4	0.2	0.4	1.0	2.1		
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
4	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
ALL	0.1	0.2	0.0	0.0	0.0	1.0	1.2	0.2	0.3	2.1	3.1	0.5	0.8	0.6	1.5		

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FUEL & VEHICLE TYPE											
		STILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1	
		DCB		DCB		DCB		DCB		DCB		DCB	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY												
COMMANDER	1	0.1	0.1	0.0		24.8	24.3			1.4		1.3	
	2	0.0	0.0			6.5	9.2			2.2	3.1	0.0	0.0
	3	2.5											
	4	0.1	0.1										
	ALL	0.3	0.9	0.0		15.6	18.4			1.9	2.2	0.4	0.8
DRIVER	1	0.0	0.0	0.0		6.1	6.9	0.4		1.6	3.2	0.3	0.5
	2	0.0	0.0			21.8	28.5			0.0	0.0	0.0	
	3	0.0	0.0										
	4	0.1	0.1										
	ALL	0.0	0.1	0.0		14.0	19.2	0.4		1.1	2.7	0.2	0.4
GUNNER	1							0.3		0.0	0.0	0.1	0.2
	2									11.0	10.1	0.0	
	3									6.6	9.4	0.1	0.2
	4												
	ALL												
LOADER	1	0.0	0.0	0.0		5.8	6.0	0.1	0.2	14.0			
	2	0.0	0.0			9.3	2.3			0.7	1.0	0.0	
	3	0.0	0.0										
	4	1.2	1.7										
	ALL	0.3	0.8	0.0		7.0	5.1	0.1	0.2	5.1	7.7	0.0	
ALL	DAY												
	1	0.0	0.1	0.0	0.0	10.6	13.5	0.2	0.2	2.7	5.1	0.5	0.5

(CONTINUED)

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CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

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ALL	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY																
COMMANDER																
1	0.0	0.1	0.0	0.0	10.4	17.9	0.4	0.3	0.7	1.0	1.3	0.1	3.4	10.1		
2	0.0	0.0	.	.	3.4	6.4	.	.	3.7	3.6	0.0	0.1	1.7	3.6		
3	0.8	1.4	.	.	.	.	.	.	.	.	.	.	0.8	1.4		
4	0.1	0.1	.	.	.	.	.	.	.	.	.	.	0.1	0.1		
ALL	0.2	0.6	0.0	0.0	7.3	13.8	0.4	0.3	2.9	3.3	0.4	0.6	2.1	6.7		
DRIVER																
DAY																
1	0.2	0.4	0.0	0.0	3.9	4.9	0.2	0.2	1.3	2.9	0.7	1.1	1.1	2.6		
2	0.0	0.0	.	.	9.1	18.4	.	.	0.3	0.6	0.0	0.0	2.9	10.4		
3	0.0	0.0	.	.	.	.	.	.	.	.	.	.	0.0	0.0		
4	0.0	0.1	.	.	.	.	.	.	.	.	.	.	0.0	0.1		
ALL	0.1	0.2	0.0	0.0	6.8	13.6	0.2	0.2	0.9	2.2	0.5	0.9	1.6	6.3		
GUNNER																
DAY																
1	.	.	.	.	.	.	0.3	.	0.0	0.0	0.1	0.2	0.1	0.2		
2	.	.	.	.	.	.	.	.	11.0	10.1	0.0	.	8.3	9.9		
ALL	.	.	.	.	.	.	0.3	.	6.6	9.4	0.1	0.2	3.7	7.4		
LOADER																
DAY																
1	0.0	0.0	0.0	0.0	4.8	5.1	0.1	0.1	4.7	8.1	0.2	0.3	2.0	4.2		
2	0.0	0.0	.	.	4.9	5.3	.	.	2.2	2.7	0.3	0.5	1.8	3.4		
3	0.0	0.0	.	.	.	.	.	.	.	.	.	.	0.0	0.0		
4	0.6	1.2	.	.	.	.	.	.	.	.	.	.	0.6	1.2		
ALL	0.1	0.6	0.0	0.0	4.9	4.9	0.1	0.1	3.4	5.6	0.3	0.4	1.6	3.6		
ALL																
DAY																
1	0.1	0.3	0.0	0.0	6.4	10.7	0.2	0.2	1.8	4.3	0.6	0.8	1.9	5.8		

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE															
	STILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
DAY																
2	0.0	0.0		6.1	11.7				4.0	5.9	0.1	0.3	2.6	6.8		
3	0.3	0.8											0.3	0.8		
4	0.2	0.6												0.6		
ALL	0.1	0.5	0.0	0.0	6.3	11.0	0.2	0.2	3.0	5.2	0.4	0.6	1.9	5.8		

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

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SAMPLE TYPE GENERAL AREA

COMBINATION OF FORT & VEHICLE TYPE														
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL						
		IND	IND	IND	IND	IND	IND	IND	IND	IND	IND	IND	IND	IND
		# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.	# OF VEHS.
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CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE																				
		STILL-M109			CARSON-M109			BENNING-M3			KNOX-M60			CARSON-M60			KNOX-M1			ALL		
		IND			IND			IND			IND			IND			IND			IND		
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	
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CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

ALL	COMBINATION OF FORT & VEHICLE TYPE													
	SILL-M109 CARSON-M109 BENNING-M3 KNOX-M60 CARSON-M60 KNOX-M1 ALL													
	IND IND IND IND IND IND IND													
	# OF # OF # OF # OF # OF # OF # OF													
	VEHS. MAX VEHs. MAX VEHs. MAX VEHs. MAX VEHs. MAX VEHs. MAX													
POSITION	DAY													
COMMANDER	1													
	4.0 29.0 2.0 52.0 5.0 14.0 2.0 27.0 2.0 170.0 2.0 7.4 17.0 170.0													
	2													
	5.0 36.0 . 4.0 13.0 . 5.0 670.0 5.0 19.0 19.0 19.0 670.0													
	3													
	3.0 35.0 3.0 35.0													
	4													
	5.0 19.0 5.0 19.0													
	ALL													
	17.0 36.0 2.0 52.0 9.0 14.0 2.0 27.0 7.0 670.0 7.0 19.0 44.0 670.0													
DRIVER	DAY													
	1													
	5.0 34.0 2.0 110.0 4.0 10.0 3.0 17.0 5.0 530.0 4.0 18.0 23.0 530.0													
	2													
	5.0 110.0 . . 5.0 6.1 . 4.0 370.0 2.0 20.0 16.0 370.0													
	3													
	3.0 12.0 3.0 12.0													
	4													
	5.0 36.0 5.0 36.0													
	ALL													
	18.0 110.0 2.0 110.0 9.0 10.0 3.0 17.0 9.0 530.0 6.0 20.0 47.0 530.0													
GUNNER	DAY													
	1													
	 1.0 2.2 2.0 530.0 2.0 2.8 5.0 530.0													
	2													
	 3.0 720.0 1.0 15.0 4.0 720.0													
	ALL													
	 1.0 2.2 5.0 720.0 3.0 15.0 9.0 720.0													
LOADER	DAY													
	1													
	4.0 51.0 3.0 120.0 6.0 12.0 4.0 17.0 3.0 160.0 2.0 5.7 22.0 160.0													
	2													
	5.0 94.0 . 4.0 8.7 . 3.0 350.0 3.0 27.0 15.0 350.0													
	3													
	4.0 26.0 4.0 26.0													
	4													
	4.0 35.0 4.0 35.0													
	ALL													
	17.0 94.0 3.0 120.0 10.0 12.0 4.0 17.0 6.0 350.0 5.0 27.0 45.0 350.0													

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

ALL

COMBINATION OF FORT & VEHICLE TYPE													
SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
IND		IND		IND		IND		IND		IND		IND	
# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
DAY													
1	13.0	51.0	7.0	120.0	15.0	14.0	10.0	27.0	12.0	530.0	10.0	18.0	67.0
2	15.0	110.0	.	.	13.0	13.0	.	.	15.0	720.0	11.0	27.0	54.0
3	10.0	35.0	.	.	.	.	.	.	.	.	.	10.0	35.0
4	14.0	36.0	.	.	.	.	.	.	.	.	.	14.0	36.0
ALL	52.0	110.0	7.0	120.0	28.0	14.0	10.0	27.0	27.0	720.0	21.0	27.0	145.0

CONCENTRATION (PRLCONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE		GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE															
				SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
				IND		IND		IND		IND		IND		IND		IND			
				MEAN		STD		MEAN		STD		MEAN		STD		MEAN			
POSITION		DAY																	
COMMANDER	1	24.5	6.4	52.0	.	3.0	1.4	15.4	16.3	170.0	.	7.4	.	31.8	51.2				
	2	20.1	22.5	.	.	8.8	6.0	.	.	264.7	351.0	10.3	5.6	88.3	205.6				
	3	16.5	2.1	.	.	.	.	.	.	.	.	.	.	16.5	2.1				
	4	6.8	10.6	.	.	.	.	.	.	.	.	.	.	6.8	10.6				
	ALL	15.8	12.3	52.0	.	5.3	4.5	15.4	16.3	241.0	290.5	9.6	4.8	50.2	133.9				
DRIVER	1	23.0	15.6	110.0	.	3.8	0.6	8.7	11.7	0.0	.	9.0	12.7	19.9	33.5				
	2	71.8	57.7	.	.	2.5	0.6	.	.	189.0	213.5	20.0	.	69.0	110.0				
	4	25.5	14.8	.	.	.	.	.	.	.	.	.	.	25.5	14.8				
	ALL	44.6	42.8	110.0	.	3.0	0.9	8.7	11.7	126.0	186.3	12.7	11.0	41.5	77.1				
	DAY																		
LOADER	1	37.5	19.1	120.0	0.0	6.9	7.1	9.2	11.0	150.0	14.1	3.4	3.2	54.5	61.8				
	2	61.7	53.4	.	.	7.5	1.6	.	.	94.0	.	24.0	4.2	42.8	42.4				
	3	26.0	.	.	.	.	.	.	.	.	.	.	.	26.0	.				
	4	27.0	11.3	.	.	.	.	.	.	.	.	.	.	27.0	11.3				
	ALL	42.5	34.0	120.0	0.0	7.2	4.2	9.2	11.0	131.3	33.8	13.7	12.3	46.8	50.8				
ALL	1	28.3	13.4	100.5	32.7	4.3	3.5	11.1	10.8	117.5	79.3	6.5	7.1	36.6	51.6				
	2	55.1	48.2	.	.	5.7	4.0	.	.	211.0	251.1	16.5	8.0	68.4	138.6				
	3	19.7	5.7	.	.	.	.	.	.	.	.	.	.	19.7	5.7				
	4	17.9	14.3	.	.	.	.	.	.	.	.	.	.	17.9	14.3				
	ALL	33.1	32.7	100.5	32.7	5.0	3.7	11.1	10.8	173.6	198.7	11.9	8.9	46.4	94.5				

CONCENTRATION (FIRE CONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE															
		SITL-M109				CARSON-M109				BENNING-M3				KNOX-M60			
		IND	STD	MEAN	STD	IND	STD	MEAN	STD	IND	STD	MEAN	STD	IND	STD	MEAN	STD
		IND	STD	MEAN	STD	IND	STD	MEAN	STD	IND	STD	MEAN	STD	IND	STD	MEAN	STD
POSITION DAY		IND	STD	MEAN	STD	IND	STD	MEAN	STD	IND	STD	MEAN	STD	IND	STD	MEAN	STD
COMMANDER	1	7.1	8.3	26.0				9.3	6.6			20.0		6.6		12.2	8.8
	2	9.0	15.6					1.4	1.1			89.5	99.7	11.0	11.3	25.7	51.4
	3	35.0														39.0	
	4	1.6	1.5													1.6	1.5
	ALL	9.9	13.9	26.0				5.4	6.0			66.3	81.1	9.5	8.4	18.7	35.9
DRIVER	1	9.8	6.9	13.0				6.3	5.2			5.3		3.8		123.7	191.1
	2	8.0	11.3					6.0	0.1					270.0	141.4	10.0	82.6
	3	7.6	3.8													7.6	3.8
	4	5.9	6.3													5.9	6.3
	ALL	7.8	6.0	13.0				6.2	3.0			5.3		346.7	127.2	5.9	85.6
GUNNER	1											2.2		330.0	282.8	2.0	133.2
	2													276.0	384.7	15.0	210.8
	3											2.2		297.6	308.0	6.3	167.7
	4																
	ALL																
LOADER	1	10.4	10.7	20.0				1.2	1.0			6.3		8.1	72.0		13.0
	2	7.0	9.9					0.5	0.7					182.0	237.6	9.6	55.5
	3	9.2	4.6														
	4	4.5	1.3														
	ALL	8.0	6.1	20.0				1.0	0.9			6.3		8.1	145.3	179.6	9.6
ALL	1	9.2	7.0	19.7				4.5	4.9			5.0		5.1	286.5	201.0	3.6
	2																

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	IND	IND	IND	IND	IND	IND	IND	IND	IND
DAY	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
1	8.1	10.9	2.7	2.7	212.3	232.7	11.3	6.1	75.6	162.5						
2	12.2	10.7														
3	4.3	4.2														
4	8.5	8.7	19.7	6.5	3.7	4.1	5.0	5.1	247.2	215.0	7.5	6.0	61.1	141.5		
ALL																

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

99

ALL	COMBINATION OF TANK & VEHICLE TYPE															
	SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60			
	IND	STD	MEAN	SID	IND	STD	MEAN	SID	IND	STD	MEAN	SID	IND	STD	MEAN	SID
POSITION/DAY	IND	STD	MEAN	SID	IND	STD	MEAN	SID	IND	STD	MEAN	SID	IND	STD	MEAN	SID
COMMANDER	15.8	11.7	39.0	18.4	5.5	4.9	15.4	16.3	95.0	106.1	7.0	0.6	23.7	40.0		
1	13.4	16.9			5.1	5.5			194.6	270.7	10.6	6.9	58.6	152.8		
2	22.7	10.8													22.7	10.8
3	4.7	8.0													4.7	8.0
4	13.0	13.0	39.0	18.4	5.3	4.8	15.4	16.3	166.1	230.4	9.6	5.9	36.6	103.9		
ALL	15.1	11.7	61.5	68.6	5.1	3.3	7.6	8.5	308.0	201.2	6.4	8.2	78.6	152.1		
1	46.3	54.0			3.9	2.0			229.5	155.1	15.0	7.1	74.9	120.0		
2	7.6	3.8													7.6	3.8
3	13.7	13.8													13.7	13.8
4	22.1	31.8	61.5	68.6	4.4	2.6	7.6	8.5	273.1	176.0	9.3	8.4	65.9	128.1		
ALL																
GUNNER																
1							2.2		330.0	282.8	2.0	1.1	133.2	228.6		
2									276.0	384.7	15.0		210.8	340.1		
ALL							2.2		297.6	308.0	6.3	7.5	167.7	266.8		
LOADER																
1	24.0	20.1	86.7	57.7	3.1	4.4	7.7	8.1	124.0	46.1	3.4	3.2	35.7	51.5		
2	39.8	48.5			4.0	4.2			152.7	175.5	19.2	8.8	48.7	90.5		
3	13.4	9.2											13.4	9.2		
4	15.8	14.5											15.8	14.5		
ALL	24.2	29.0	86.7	57.7	3.5	4.1	7.7	8.1	138.3	115.8	12.9	10.8	36.3	63.5		
ALL																
1	18.0	14.1	65.9	49.1	4.4	4.2	8.7	9.1	230.2	185.4	5.0	5.3	54.6	114.7		

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

100

ALL	COMBINATION OF FORT & VEHICLE TYPE															
	SILL-M109	CARSON-M109	BLNNG-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	IND	IND	IND	IND	IND	IND	IND	IND	IND
DAY	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
1	33.2	42.5	.	4.3	3.7	.	211.8	231.2	14.1	7.3	72.0	149.6	.	.	.	.
2	14.4	9.8	.	.	.	.	.	.	.	.	14.4	9.8	.	.	.	.
3	11.1	12.4	.	.	.	.	.	.	.	.	11.1	12.4	.	.	.	.
4	19.8	26.0	65.9	49.1	4.4	3.9	8.7	9.1	220.0	208.4	9.8	7.8	54.1	121.2	.	.
ALL	19.8	26.0	65.9	49.1	4.4	3.9	8.7	9.1	220.0	208.4	9.8	7.8	54.1	121.2	.	.

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

101

SAMPLE TYPE GENERAL AREA

COMBINATION OF FORT & VEHICLE TYPE																						
		SILL-M109			CARSON-M109			BENNING-M3			KNOX-M60			CARSON-M60			KNOX-M1			ALL		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
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		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60			M1		
		M109			M109			M3			M3			M60			M60					

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORI & VEHICLE TYPE																				
		SILL-M109			CARSON-M109			BENNING-M3			KNOX-M60			CARSON-M60			KNOX-M1			ALL		
		MNAP			MNAP			MNAP			MNAP			MNAP			MNAP			MNAP		
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	
POSITION	DAY																					
COMMANDER	1	2.0	17.0	1.0	25.0	2.0	140.0	.				1.0	25.0	1.0	11.0				7.0	140.0		
	2	3.0	16.0	.		2.0	24.0	.				2.0	200.0	2.0	19.0				9.0	200.0		
	3	1.0	13.0	.		.		.				.	.	.	.				1.0	13.0		
	4	2.0	5.6	.		.		.				.	.	.	.				2.0	5.6		
ALL	1	8.0	17.0	1.0	25.0	4.0	140.0	.				3.0	200.0	3.0	19.0				19.0	200.0		
	2																					
	3																					
	4																					
DRIVER	1																					
	2																					
	3																					
	4																					
ALL	1	11.0	21.0	1.0	8.5	4.0	110.0	1.0	71.0	6.0	220.0	3.0	11.0	26.0	220.0							
	2																					
	3																					
	4																					
GUNNER	1																					
	2																					
	3																					
	4																					
ALL	1																					
	2																					
	3																					
	4																					
LOADER	1																					
	2																					
	3																					
	4																					
ALL	1	9.0	28.0	1.0	20.0	6.0	48.0	2.0	14.0	3.0	140.0	1.0	11.0	22.0	140.0							
	2																					
	3																					
	4																					

(CONTINUED)

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CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

104

ALL

COMBINATION OF FORT & VEHICLE TYPE													
POSITION	DAY	SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1	
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
COMMANDER	1	4.0	17.0	2.0	130.0	5.0	140.0	2.0	25.0	2.0	160.0	2.0	12.0
	2	5.0	27.0	4.0	89.0	4.0	89.0	5.0	200.0	5.0	19.0	19.0	200.0
	3	3.0	45.0	3.0	45.0	3.0	45.0	3.0	45.0	3.0	45.0	3.0	45.0
	4	5.0	11.0	5.0	11.0	5.0	11.0	5.0	11.0	5.0	11.0	5.0	11.0
	ALL	17.0	45.0	2.0	130.0	9.0	140.0	2.0	25.0	7.0	200.0	7.0	19.0
DRIVER	1	5.0	20.0	2.0	33.0	4.0	110.0	3.0	71.0	5.0	190.0	4.0	24.0
	2	5.0	45.0	5.0	51.0	5.0	51.0	4.0	220.0	2.0	13.0	16.0	220.0
	3	3.0	21.0	3.0	21.0	3.0	21.0	3.0	21.0	3.0	21.0	3.0	21.0
	4	5.0	15.0	5.0	15.0	5.0	15.0	5.0	15.0	5.0	15.0	5.0	15.0
	ALL	18.0	45.0	2.0	33.0	9.0	110.0	3.0	71.0	9.0	220.0	6.0	24.0
GUNNER	1	1.0	27.0	1.0	27.0	1.0	27.0	1.0	27.0	2.0	210.0	2.0	13.0
	2	3.0	110.0	3.0	110.0	3.0	110.0	3.0	110.0	1.0	30.0	4.0	110.0
	3	1.0	27.0	1.0	27.0	1.0	27.0	1.0	27.0	3.0	30.0	9.0	210.0
	4	1.0	27.0	1.0	27.0	1.0	27.0	1.0	27.0	3.0	30.0	9.0	210.0
	ALL	6.0	100.0	6.0	100.0	6.0	100.0	4.0	18.0	3.0	120.0	2.0	13.0
LOADER	1	4.0	23.0	3.0	21.0	4.0	23.0	3.0	21.0	3.0	140.0	3.0	24.0
	2	5.0	28.0	5.0	28.0	5.0	28.0	5.0	28.0	5.0	28.0	5.0	28.0
	3	4.0	28.0	4.0	28.0	4.0	28.0	4.0	28.0	4.0	28.0	4.0	28.0
	4	4.0	22.0	4.0	22.0	4.0	22.0	4.0	22.0	4.0	22.0	4.0	22.0
	ALL	17.0	28.0	3.0	21.0	10.0	100.0	4.0	18.0	6.0	140.0	5.0	24.0

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

105

ALL

COMBINATION OF FORT & VEHICLE TYPE													
		SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1	
		M109		M109		M109		M109		M109		M109	
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		M109		M109		M109		M109		M			

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE															
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL	MNAP	MNAP	MNAP	MNAP	MNAP	MNAP	MNAP	MNAP	MNAP
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION DAY																	
COMMANDER	1	7.0	9.9	130.0		28.7	30.7	17.0	11.3	160.0		12.0		43.6	56.6		
	2	13.5	19.1			62.0	38.2			87.0	41.1	10.8	3.0	44.4	42.9		
	3	30.0	21.2											30.0	21.2		
	4	8.5	2.9											8.5	2.9		
	ALL	14.0	14.3	130.0		42.0	34.2	17.0	11.3	105.3	49.6	11.1	2.5	38.6	45.4		
DRIVER																	
1	1	9.7	7.5	33.0		28.0	15.6	2.6	3.7	0.0		12.0	17.0	13.8	14.3		
	2	27.3	24.0			34.7	14.2			90.0	70.7	13.0		42.1	40.0		
	4	12.0	0.0											12.0	0.0		
	ALL	17.9	16.7	33.0		32.0	13.2	2.6	3.7	60.0	72.1	12.3	12.0	25.7	30.7		
	DAY																
LOADER																	
1	1	20.0	1.4	20.0	1.4	59.5	57.3	11.0	9.8	97.0	32.5	10.8	3.1	36.4	38.8		
	2	14.3	14.0			40.0	15.6			110.0		21.5	3.5	34.5	33.7		
	3	9.9												9.9			
	4	18.0	5.7											18.0	5.7		
	ALL	16.1	8.6	20.0	1.4	49.8	36.1	11.0	9.8	101.3	24.2	16.1	6.7	33.0	34.2		
ALL																	
1	1	12.2	8.3	50.8	53.2	37.3	33.6	10.2	9.5	88.5	68.7	11.5	8.7	31.6	41.0		
	2	19.0	17.9			44.0	22.5			91.8	41.9	14.7	5.9	40.7	38.1		
	3	23.3	19.0											23.3	19.0		
	4	12.2	5.1											12.2	5.1		
	ALL	15.9	13.0	50.8	53.2	40.6	27.7	10.2	9.5	90.5	50.5	13.3	7.1	32.8	37.5		

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE																									
		SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL	
		M109				M109				M3				M60				M60				M1				M1	
		M109				M109				M3				M60				M60				M1				M1	
		M109				M109				M3				M60				M60				M1				M1	
		M109				M109				M3				M60				M60				M1				M1	
		M109				M109				M3				M60				M60				M1				M1	
		M109				M109				M3				M60				M60				M1				M1	
		M109				M109				M3				M60				M60				M1				M1	
		M109				M109				M3				M60				M60				M1				M1	
		M109				M109				M3				M60				M60				M1				M1	
		M109				M109				M3				M60				M60				M1				M1	
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		M109				M109				M3				M60				M60				M1				M1	
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		M109				M109				M3				M60				M60									

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE		COMBINATION OF FORT & VEHICLE TYPE														ALL	
		SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1				ALL	
		MNAP	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MNAP	STD	MEAN	STD		
ALL	DAY																
	2	5.1	8.9			23.1	19.4			118.2	71.7	14.5	10.3			48.6	65.2
	3	14.7	7.5													14.7	7.5
	4	6.7	4.5													6.7	4.5
	ALL	10.2	7.9	17.8	8.5	40.2	40.2	29.4	29.0	121.8	65.9	11.5	8.1	42.2	57.0		

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

109

ALL

		COMBINATION OF FORT & VEHICLE TYPE																											
		SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1				ALL			
		MNAF				MNAF				MNAF				MNAF				MNAF				MNAF				MNAF			
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD				
POSITION	DAY																												
COMMANDER	1	8.8	8.0	77.5	74.2	55.6	52.9	17.0	11.3	92.5	95.5	11.5	0.7	41.8	51.3														
	2	8.6	12.4	.	.	37.8	36.6	.	.	97.2	69.8	11.0	5.9	38.7	52.6														
	3	24.3	17.9	.	.	.	.	.	.	.	.	.	.	.	24.3	17.9													
	4	6.4	3.8	.	.	.	.	.	.	.	.	.	.	.	6.4	3.8													
	ALL	10.8	11.7	77.5	74.2	47.7	44.6	17.0	11.3	95.9	69.1	11.1	4.8	35.2	47.8														
DRIVER	DAY																												
	1	12.7	5.7	20.8	17.3	48.5	42.0	25.4	39.6	118.0	72.2	10.1	10.3	43.7	56.1														
	2	20.4	20.7	.	.	39.2	12.3	.	.	142.5	75.9	11.1	2.7	55.6	63.9														
	3	13.7	6.4	.	.	.	.	.	.	.	.	.	.	13.7	6.4														
	4	11.0	3.1	.	.	.	.	.	.	.	.	.	.	11.0	3.1														
GUNNER	ALL	14.5	11.4	20.8	17.3	43.3	27.6	25.4	39.6	128.9	70.3	10.4	8.1	42.4	55.3														
	DAY																												
	1	.	.	.	.	.	.	27.0	.	170.0	56.6	7.8	7.4	76.5	90.3														
	2	.	.	.	.	.	.	.	.	96.3	23.7	30.0	.	79.8	38.4														
	ALL	.	.	.	.	.	.	27.0	.	125.8	52.0	15.2	13.9	77.9	68.1														
LOADER	DAY																												
	1	19.0	4.3	20.0	1.0	35.5	35.1	10.5	6.6	81.7	35.1	10.8	3.1	29.9	30.9														
	2	8.6	12.6	.	.	24.9	19.9	.	.	90.0	62.4	18.0	6.6	31.1	40.8														
	3	14.7	9.6	.	.	.	.	.	.	.	.	.	.	14.7	9.6														
	4	11.2	8.6	.	.	.	.	.	.	.	.	.	.	11.2	8.6														
ALL	ALL	13.1	9.5	20.0	1.0	31.3	29.1	10.5	6.6	85.8	45.5	15.1	6.3	27.3	32.3														
	DAY																												
	1	13.4	7.0	36.6	41.8	45.7	41.2	17.9	20.7	113.3	64.7	10.0	6.7	41.1	51.2														

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

ALL

		COMBINATION OF FORT & VEHICLE TYPE																			
		SILL-M109			CARSON-M109			BENNING-M3			KNOX-M60			CARSON-M60			KNOX-M1			ALL	
		MNAF			MNAF			MNAF			MNAF			MNAF			MNAF			MNAF	
		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD		MEAN	STD
ALL	DAY																				
	2	12.5	15.7					34.4	23.0					107.7	61.2		14.6	7.7		44.6	53.0
	3	17.3	11.6																	17.3	11.6
	4	9.4	5.5																	9.4	5.5
	ALL	12.8	10.8		36.6	41.8		40.4	33.9		17.9	20.7		110.2	61.6		12.5	7.4		37.7	48.8

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE GENERAL AREA

		COMBINATION OF FORT & VEHICLE TYPE																				
		STILL-M109			CARSON-M109			BENNING-M3			KNOX-M60			CARSON-M60			KNOX-M1			ALL		
		IMN			IMN			IMN			IMN			IMN			IMN			IMN		
		# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	
POSITION DAY																						
COMMANDER	1	2.0	16.0	1.0	6.7	3.0	0.0	2.0	14.0	1.0	2.7	1.0	14.0	10.0	16.0							
	2	2.0	5.9	.	2.0	0.2	.	.	3.0	360.0	3.0	8.6	10.0	360.0								
	3	2.0	39.0	.	.	.	.	.	.	.	.	.	2.0	39.0								
	4	3.0	7.8	.	.	.	.	.	.	.	.	.	3.0	7.8								
	ALL	9.0	39.0	1.0	6.7	5.0	0.2	2.0	14.0	4.0	360.0	4.0	14.0	25.0	360.0							
DRIVER DAY																						
	1	2.0	24.0	1.0	54.0	2.0	0.0	2.0	59.0	1.0	0.0	2.0	26.0	10.0	59.0							
	2	3.0	47.0	.	.	3.0	0.0	.	.	2.0	130.0	1.0	33.0	9.0	130.0							
	4	2.0	19.0	.	.	.	.	.	.	.	.	.	2.0	19.0								
	ALL	7.0	47.0	1.0	54.0	5.0	0.0	2.0	59.0	3.0	130.0	3.0	33.0	21.0	130.0							
	LOADER DAY																					
	1	2.0	52.0	2.0	64.0	2.0	0.0	2.0	6.2	2.0	130.0	2.0	5.4	12.0	130.0							
	2	3.0	62.0	.	.	2.0	0.0	.	.	1.0	0.0	2.0	46.0	8.0	62.0							
	3	1.0	18.0	.	.	.	.	.	.	.	.	.	1.0	18.0								
	4	2.0	16.0	.	.	.	.	.	.	.	.	.	2.0	16.0								
	ALL	8.0	62.0	2.0	64.0	4.0	0.0	2.0	6.2	3.0	130.0	4.0	46.0	23.0	130.0							
ALL DAY																						
	1	6.0	52.0	4.0	64.0	7.0	0.0	6.0	59.0	4.0	130.0	5.0	26.0	32.0	130.0							
	2	8.0	62.0	.	.	7.0	0.2	.	.	6.0	360.0	6.0	46.0	27.0	360.0							
	3	3.0	39.0	.	.	.	.	.	.	.	.	.	3.0	39.0								
	4	7.0	19.0	.	.	.	.	.	.	.	.	.	7.0	19.0								
	ALL	24.0	62.0	4.0	64.0	14.0	0.2	6.0	59.0	10.0	360.0	11.0	46.0	69.0	360.0							

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORI & VEHICLE TYPE											
		STILL-M109			CARSON-M60			KNOX-M60			KNOX-M1		
		TMN	MAX	# OF VEH.	TMN	MAX	# OF VEH.	TMN	MAX	# OF VEH.	TMN	MAX	# OF VEH.
		ALL	TMN	MAX	ALL	TMN	MAX	ALL	TMN	MAX	ALL	TMN	MAX
POSITION/DAY													
COMMANDER	1	2.0	8.6	1.0	1.0	2.0	0.0	1.0	0.0	1.0	2.2	7.0	8.6
	2	3.0	0.0	1.0	2.0	0.0	1.0	2.0	24.0	2.0	20.0	9.0	24.0
	3	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
	4	2.0	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	0.5	1.0
	ALL	8.0	8.6	1.0	1.7	4.0	0.0	3.0	24.0	3.0	20.0	19.0	24.0
DRIVER													
1	1	3.0	16.0	1.0	0.0	2.0	0.0	1.0	42.0	4.0	460.0	2.0	1.8
	2	2.0	0.0	1.0	2.0	0.0	1.0	2.0	100.0	1.0	1.5	7.0	100.0
	3	3.0	15.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	15.0	1.0
	4	3.0	6.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	6.4	1.0
	ALL	11.0	16.0	1.0	0.0	4.0	0.0	1.0	42.0	6.0	460.0	3.0	1.8
GUNNER													
1	1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	15.0	2.0	430.0	2.0	1.2
	2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	15.0	2.0	430.0	2.0	1.2
	3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	15.0	2.0	430.0	2.0	1.2
	4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	15.0	2.0	430.0	2.0	1.2
	ALL	4.0	4.0	4.0	4.0	4.0	4.0	4.0	60.0	8.0	1720.0	8.0	4.8
LOADER													
1	1	2.0	18.0	1.0	1.5	4.0	0.0	2.0	8.1	1.0	0.0	1.0	10.0
	2	2.0	0.0	1.0	1.0	2.0	0.0	1.0	1.0	2.0	89.0	1.0	4.3
	3	3.0	9.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	9.1
	4	2.0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3
	ALL	9.0	18.0	1.0	1.5	6.0	0.0	2.0	8.1	3.0	89.0	1.0	4.3

(CONTINUED)

SAMPLE TYPE BREATHING ZONE

COMBINATION OF FORT & VEHICLE TYPE													
STILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL	
TMN		TMN		TMN		TMN		TMN		TMN		TMN	
# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX	# OF VEHS.	MAX
DAY													
1	7.01	18.01	3.01	1.71	8.01	0.01	4.01	42.01	8.01	460.01	5.01	2.21	35.01
2	7.01	0.01	.	.	6.01	0.01	.	.	9.01	290.01	5.01	20.01	27.01
3	7.01	15.01	.	.	.	.	.	.	.	.	.	.	7.01
4	7.01	6.41	.	.	.	.	.	.	.	.	.	.	7.01
ALL	28.01	18.01	3.01	1.71	14.01	0.01	4.01	42.01	17.01	460.01	10.01	20.01	76.01

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

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ALL

COMBINATION OF FORT & VEHICLE TYPE																

(CONTINUED)

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CONCENTRATION (FIRE CONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE GENERAL AREA		COMBINATION OF FORT & VEHICLE TYPE															
		SILL-M109				CARSON-M109				BENNING-M3				KNOX-M60			
		TMN	STD	MEAN	STD	TMN	STD	MEAN	STD	TMN	STD	MEAN	STD	TMN	STD	MEAN	STD
POSITION DAY		TMN	STD	MEAN	STD	TMN	STD	MEAN	STD	TMN	STD	MEAN	STD	TMN	STD	MEAN	STD
COMMANDER	1	8.0	11.3	6.7	.	0.0	0.0	11.6	3.4	2.7	.	14.0	.	6.3	6.6	.	.
	2	2.9	4.2	.	.	0.1	0.1	.	.	152.7	179.7	7.6	0.9	48.7	111.1	.	.
	3	26.0	18.4	.	.	.	.	.	.	.	.	.	.	26.0	18.4	.	.
	4	3.0	4.1	.	.	.	.	.	.	.	.	.	.	3.0	4.1	.	.
	ALL	9.2	12.6	6.7	.	0.0	0.1	11.6	3.4	115.2	164.8	9.2	3.3	24.4	71.4	.	.
DRIVER	1	24.0	0.0	54.0	.	0.0	0.0	29.7	41.4	0.0	.	13.0	18.4	18.7	22.9	.	.
	2	20.3	24.1	.	.	0.0	0.0	.	.	85.5	62.9	33.0	.	29.4	42.2	.	.
	4	13.5	7.7	.	.	.	.	.	.	.	.	.	.	13.5	7.7	.	.
	ALL	19.4	14.9	54.0	.	0.0	0.0	29.7	41.4	57.0	66.5	19.7	17.4	22.8	31.4	.	.
	DAY	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LOADER	1	48.5	4.9	63.5	0.7	0.0	0.0	4.8	2.0	65.0	91.9	4.3	1.5	31.0	40.7	.	.
	2	40.0	34.7	.	.	0.0	0.0	.	.	0.0	.	36.5	13.4	24.1	27.8	.	.
	3	18.0	.	.	.	.	.	.	.	.	.	.	.	18.0	.	.	.
	4	13.5	3.5	.	.	.	.	.	.	.	.	.	.	13.5	3.5	.	.
	ALL	32.8	24.1	63.5	0.7	0.0	0.0	4.8	2.0	43.3	75.1	20.4	20.1	26.5	33.3	.	.
ALL	1	26.8	19.1	46.9	21.2	0.0	0.0	15.4	21.9	33.2	64.6	9.7	10.5	19.4	29.3	.	.
	2	23.4	27.5	.	.	0.0	0.1	.	.	104.8	132.0	21.5	16.4	35.0	71.7	.	.
	3	23.3	13.8	.	.	.	.	.	.	.	.	.	.	23.3	13.8	.	.
	4	9.0	7.0	.	.	.	.	.	.	.	.	.	.	9.0	7.0	.	.
	ALL	20.0	19.8	46.9	21.2	0.0	0.1	15.4	21.9	76.2	111.6	16.1	14.7	24.6	49.5	.	.

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

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SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORI & VEHICLE TYPE											
		SILL-M109	CARSON-M109	BENNING-M3	KNOX-M60	CARSON-M60	KNOX-M1	ALL					
		TMN	TMN	TMN	TMN	TMN	TMN	TMN					
POSITION	DAY	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
COMMANDER	1	4.7	5.6	1.7	.	0.0	0.0	.	.	0.0	.	2.2	.
	2	0.0	0.0	.	.	0.0	0.0	.	.	12.0	17.0	10.6	13.2
	3	2.0	.	.	.	.	.	.	.	.	.	.	.
	4	0.3	0.4	.	.	.	.	.	.	.	.	.	.
	ALL	1.5	3.0	1.7	.	0.0	0.0	.	.	8.0	13.9	7.8	10.5
DRIVER	1	6.1	8.6	0.0	.	0.0	0.0	42.0	.	178.7	217.2	1.6	0.2
	2	0.0	0.0	.	.	0.0	0.0	.	.	78.5	30.4	1.5	.
	3	7.5	6.8	.	.	.	.	.	.	.	.	.	.
	4	2.9	3.1	.	.	.	.	.	.	.	.	.	.
	ALL	4.5	5.8	0.0	.	0.0	0.0	42.0	.	145.3	176.5	1.6	0.2
GUNNER	1	.	.	.	.	.	.	15.0	.	215.4	303.4	1.1	0.1
	2	.	.	.	.	.	.	.	.	106.0	159.5	14.0	.
	3	.	.	.	.	.	.	15.0	.	149.8	198.3	5.4	7.4
	4	.	.	.	.	.	.	.	.	.	.	.	.
	ALL	.	.	.	.	.	.	15.0	.	149.8	198.3	5.4	7.4
LOADER	1	9.5	12.0	1.5	.	0.0	0.0	5.1	4.2	0.0	.	.	.
	2	0.0	0.0	.	.	0.0	0.0	.	.	44.5	62.9	4.3	.
	3	3.6	4.8	.	.	.	.	.	.	.	.	.	.
	4	0.3	0.0	.	.	.	.	.	.	.	.	.	.
	ALL	3.4	6.2	1.5	.	0.0	0.0	5.1	4.2	29.7	51.4	4.3	.
ALL	DAY	.	.	.	.	.	.	.	.	.	.	.	.
	1	6.7	7.6	1.1	0.9	0.0	0.0	16.8	17.6	143.2	203.6	1.6	0.5

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

SAMPLE TYPE BREATHING ZONE

		COMBINATION OF FORT & VEHICLE TYPE																	
		SILL-M109				BENNING-M3				KNOX-M60				CARSON-M60				KNOX-M1	
		TMN				TMN				TMN				TMN				TMN	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
ALL	DAY																		
	2	0.0	0.0			0.0	0.0							65.3	92.1	8.2	8.4	23.3	59.6
	3	5.1	5.4															5.1	5.4
	4	1.4	2.3															1.4	2.3
	ALL	3.3	5.3	1.1	0.9	0.0	0.0	0.0	16.8	17.6	102.0	154.9	4.9	6.6	25.6	82.8			

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

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ALL

		COMBINATION OF FORT & VEHICLE TYPE																ALL	
		SILL-M109				BENNING-M3				KNOX-MG0				CARSON-MG0				KNOX-M1	
		TMN				TMN				TMN				TMN				TMN	
		MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
POSITION	DAY																		
COMMANDER	1	6.3	7.5	4.2	3.5	0.0	0.0	11.6	3.4	1.3	1.9	8.1	8.3	4.5	5.7				
	2	1.2	2.6	.	.	0.1	0.1	.	.	96.4	148.9	8.8	6.8	28.0	81.9				
	3	18.0	19.0	.	.	.	.	.	.	.	.	.	.	18.0	19.0				
	4	1.9	3.3	.	.	.	.	.	.	.	.	.	.	1.9	3.3				
	ALL	5.6	10.0	4.2	3.5	0.0	0.1	11.6	3.4	69.2	130.1	8.6	6.6	15.3	54.6				
DRIVER	1	13.3	11.5	27.0	38.2	0.0	0.0	33.8	30.1	143.0	204.4	7.3	12.5	42.0	104.2				
	2	12.2	20.4	.	.	0.0	0.0	.	.	82.0	40.6	17.3	22.3	26.5	40.1				
	3	7.5	6.8	.	.	.	.	.	.	.	.	.	.	7.5	6.8				
	4	7.1	7.3	.	.	.	.	.	.	.	.	.	.	7.1	7.3				
	ALL	10.3	12.5	27.0	38.2	0.0	0.0	33.8	30.1	115.9	150.1	10.6	14.8	30.8	76.8				
GUNNER	1	.	.	.	.	.	.	15.0	.	215.4	303.4	1.1	0.1	89.6	190.4				
	2	.	.	.	.	.	.	.	.	106.0	159.5	14.0	.	83.0	138.1				
	ALL	.	.	.	.	.	.	15.0	.	149.8	198.3	5.4	7.4	86.7	159.0				
LOADER	1	29.0	23.7	42.8	35.8	0.0	0.0	5.0	2.7	43.3	75.1	4.3	1.5	18.3	32.9				
	2	24.0	32.9	.	.	0.0	0.0	.	.	29.7	51.4	25.8	20.9	19.1	29.9				
	3	7.2	8.2	.	.	.	.	.	.	.	.	.	.	7.2	8.2				
	4	6.9	7.9	.	.	.	.	.	.	.	.	.	.	6.9	7.9				
	ALL	17.2	22.4	42.8	35.8	0.0	0.0	5.0	2.7	36.5	58.0	17.2	18.9	16.6	28.8				
ALL	1	16.0	17.0	27.3	31.2	0.0	0.0	16.0	19.2	106.5	174.5	5.6	8.2	28.3	81.9				

(CONTINUED)

CONCENTRATION (FIRECONC) OF SELECTED ORGANIC COMPOUNDS (UG/M3)

120

ALL	COMBINATION OF FORI & VEHICLE TYPE															
	SILL-M109		CARSON-M109		BENNING-M3		KNOX-M60		CARSON-M60		KNOX-M1		ALL			
	TMN	STD	TMN	STD	TMN	STD	TMN	STD	TMN	STD	TMN	STD	TMN	STD	TMN	STD
ALL	11.0	16.2	27.3	31.2	0.0	0.0	16.0	19.2	92.4	138.7	10.8	12.7	25.1	68.8		
1 DAY																
2	12.5	22.9			0.0	0.1			81.1	107.1	15.4	14.5	29.1	65.6		
3	10.5	11.8											10.5	11.8		
4	5.2	6.4											5.2	6.4		
ALL	11.0	16.2	27.3	31.2	0.0	0.0	16.0	19.2	92.4	138.7	10.8	12.7	25.1	68.8		

APPENDIX D
SUMMARY OF COMPARATIVE STATISTICS

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FORMAL STATISTICAL SUMMARY FOR TABLE 37

PEAK CO, TUKEY, NO TREAT 7, CM10 + SM10, KTAN + CTAN

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: PEAK
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=267 MSE=249401
CRITICAL VALUE OF STUDENTIZED RANGE=3.656

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

VTYPEFORT COMPARISON	SIMULTANEOUS LOWER CONFIDENCE LIMIT	DIFFERENCE BETWEEN MEANS	SIMULTANEOUS UPPER CONFIDENCE LIMIT	
KM1 - CTAN	347.08	602.55	858.03	***
KM1 - BBFV	801.00	1068.36	1335.72	***
KM1 - SM10	985.62	1228.04	1470.47	***
CTAN - KM1	-858.03	-602.55	-347.08	***
CTAN - BBFV	239.39	465.81	692.23	***
CTAN - SM10	429.14	625.49	821.84	***
BBFV - KM1	-1335.72	-1068.36	-801.00	***
BBFV - CTAN	-692.23	-465.81	-239.39	***
BBFV - SM10	-51.90	159.69	371.27	
SM10 - KM1	-1470.47	-1228.04	-985.62	***
SM10 - CTAN	-821.84	-625.49	-429.14	***
SM10 - BBFV	-371.27	-159.69	51.90	

AVG CO, TUKEY, NO TREAT 7, COV, CM10 + SM10, KTAN + CTAN

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: AVG
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=267 MSE=259.675
CRITICAL VALUE OF STUDENTIZED RANGE=3.656

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

VTYPFORT COMPARISON	SIMULTANEOUS LOWER CONFIDENCE LIMIT	DIFFERENCE BETWEEN MEANS	SIMULTANEOUS UPPER CONFIDENCE LIMIT	
CTAN - KM1	-3.095	5.148	13.392	
CTAN - BBFV	23.931	31.237	38.543	***
CTAN - SM10	25.960	32.296	38.632	***
KM1 - CTAN	-13.392	-5.148	3.095	
KM1 - BBFV	17.461	26.088	34.715	***
KM1 - SM10	19.325	27.147	34.970	***
BBFV - CTAN	-38.543	-31.237	-23.931	***
BBFV - KM1	-34.715	-26.088	-17.461	***
BBFV - SM10	-5.768	1.059	7.886	
SM10 - CTAN	-38.632	-32.296	-25.960	***
SM10 - KM1	-34.970	-27.147	-19.325	***
SM10 - BBFV	-7.886	-1.059	5.768	

FORMAL STATISTICAL SUMMARY FOR TABLE 38

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: ACET
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=120 MSE=6506.38
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

VTYPE COMPARISON	SIMULTANEOUS		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS	
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT		LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT
CTAN - BBFV	-6.14	48.60		103.35	***
CTAN - SM10	20.74	67.32		113.90	***
CTAN - KM1	11.85	74.08		136.30	
BBFV - CTAN	-103.35	-48.60		6.14	
BBFV - SM10	-29.47	18.72		66.91	
BBFV - KM1	-37.96	25.48		88.91	
SM10 - CTAN	-113.90	-67.32		-20.74	***
SM10 - BBFV	-66.91	-18.72		29.47	
SM10 - KM1	-49.79	6.75		63.29	
KM1 - CTAN	-136.30	-74.08		-11.85	***
KM1 - BBFV	-88.91	-25.48		37.96	
KM1 - SM10	-63.29	-6.75		49.79	

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: DCM
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=128 MSE=16824.2
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

VTYPFORT COMPARISON	SIMULTANEOUS LOWER CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS UPPER CONFIDENCE LIMIT	
CTAN - SM10	-18.65		56.25	131.16	
CTAN - BBFV	-17.94		70.09	158.12	
CTAN - KM1	-1.88		98.18	198.23	
SM10 - CTAN	-131.16		-56.25	18.65	
SM10 - BBFV	-63.65		13.84	91.32	
SM10 - KM1	-49.00		41.92	132.84	
BBFV - CTAN	-158.12		-70.09	17.94	
BBFV - SM10	-91.32		-13.84	63.65	
BBFV - KM1	-73.92		28.08	130.09	
KM1 - CTAN	-198.23		-98.18	1.88	
KM1 - SM10	-132.84		-41.92	49.00	
KM1 - BBFV	-130.09		-28.08	73.92	

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: TCE
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=128 MSE=14037.3
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

VTYPE COMPARISON	SIMULTANEOUS		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS		
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT		LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT	
CTAN - BBFV	6.16	166.98	86.57	166.98	***	***
CTAN - SM10	39.22	176.05	107.63	176.05	***	***
CTAN - KM1	26.78	209.57	118.17	209.57	***	***
BBFV - CTAN	-166.98	-6.16	-86.57	-6.16	***	***
BBFV - SM10	-49.71	91.84	21.06	91.84		
BBFV - KM1	-61.57	124.78	31.60	124.78		
SM10 - CTAN	-176.05	-39.22	-107.63	-39.22	***	***
SM10 - BBFV	-91.84	49.71	-21.06	49.71		
SM10 - KM1	-72.51	93.59	10.54	93.59		
KM1 - CTAN	-209.57	-26.78	-118.17	-26.78	***	***
KM1 - BBFV	-124.78	61.57	-31.60	61.57		
KM1 - SM10	-93.59	72.51	-10.54	72.51		

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: BNZ
 NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=128 MSE=3137.38
 CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

VTYPFORT COMPAR'ISON	SIMULTANEOUS		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS	
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT		LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT
CTAN - BBFV	27.29	103.32	65.31	103.32	***
CTAN - SM10	108.36	173.05	140.71	173.05	***
CTAN - KM1	113.88	200.30	157.09	200.30	***
BBFV - CTAN	-103.32	-27.29	-65.31	-27.29	***
BBFV - SM10	41.94	108.86	75.40	108.86	***
BBFV - KM1	47.73	135.83	91.78	135.83	***
SM10 - CTAN	-173.05	-108.36	-140.71	-108.36	***
SM10 - BBFV	-108.86	-41.94	-75.40	-41.94	***
SM10 - KM1	-22.88	55.64	16.38	55.64	
KM1 - CTAN	-200.30	-113.88	-157.09	-113.88	***
KM1 - BBFV	-135.83	-47.73	-91.78	-47.73	***
KM1 - SM10	-55.64	22.88	-16.38	22.88	

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: DMCH
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=128 MSE=3565.23
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

VTYPE COMPARISON	SIMULTANEOUS CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS CONFIDENCE LIMIT		
	LOWER	UPPER		LOWER	UPPER	
CTAN - SM10	21.70	90.66	56.18	90.66	***	
CTAN - KM1	10.89	103.01	56.95	103.01	***	
CTAN - BBFV	16.96	98.01	57.49	98.01	***	
SM10 - CTAN	-90.66	-21.70	-56.18	-21.70	***	
SM10 - KM1	-41.09	42.62	0.76	42.62		
SM10 - BBFV	-34.36	36.98	1.31	36.98		
KM1 - CTAN	-103.01	-10.89	-56.95	-10.89	***	
KM1 - SM10	-42.62	41.09	-0.76	41.09		
KM1 - BBFV	-46.42	47.50	0.54	47.50		
BBFV - CTAN	-98.01	-16.96	-57.49	-16.96	***	
BBFV - SM10	-36.98	34.36	-1.31	34.36		
BBFV - KM1	-47.50	46.42	-0.54	46.42		

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: DMBZ
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=128 MSE=5592.95
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

VTYPFORT COMPARISON	SIMULTANEOUS		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS		
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT		LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT	
CTAN - SM10	137.29	180.48	223.67	223.67	240.81	***
CTAN - KM1	124.50	182.20	239.89	239.89	240.81	***
CTAN - BBFV	139.30	190.06	240.81	240.81	240.81	***
SM10 - CTAN	-223.67	-180.48	-137.29	-137.29	-137.29	***
SM10 - KM1	-50.71	1.72	54.14	54.14	54.26	
SM10 - BBFV	-35.10	9.58	54.26	54.26	54.26	
KM1 - CTAN	-239.89	-182.20	-124.50	-124.50	-124.50	***
KM1 - SM10	-54.14	-1.72	50.71	50.71	50.71	
KM1 - BBFV	-50.95	7.86	66.68	66.68	66.68	
BBFV - CTAN	-240.81	-190.06	-139.30	-139.30	-139.30	***
BBFV - SM10	-54.26	-9.58	35.10	35.10	35.10	
BBFV - KM1	-66.68	-7.86	50.95	50.95	50.95	

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: NON
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=128 MSE=46229.3
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

VTYPE COMPARISON	SIMULTANEOUS		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS		
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT		LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT	
CTAN - KM1	158.13	489.85	323.99	489.85	***	***
CTAN - SM10	200.71	449.03	324.87	449.03	***	***
CTAN - BBFV	189.90	481.75	335.83	481.75	***	***
KM1 - CTAN	-489.85	-158.13	-323.99	-158.13	***	***
KM1 - SM10	-149.83	151.59	0.88	151.59		
KM1 - BBFV	-157.26	180.93	11.84	180.93		
SM10 - CTAN	-449.03	-200.71	-324.87	-200.71	***	***
SM10 - KM1	-151.59	149.83	-0.88	149.83		
SM10 - BBFV	-117.49	139.40	10.96	139.40		
BBFV - CTAN	-481.75	-189.90	-335.83	-189.90	***	***
BBFV - KM1	-180.93	157.26	-11.84	157.26		
BBFV - SM10	-139.40	117.49	-10.96	117.49		

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: IND
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=128 MSE=5286.05
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

VTYPE COMPARISON	SIMULTANEOUS		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS		
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT		LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT	
CTAN - SM10	79.03	121.01	121.01	163.00	191.27	***
CTAN - KM1	79.84	135.92	135.92	192.01	191.27	***
CTAN - BBFV	92.59	141.93	141.93	191.27	191.27	***
SM10 - CTAN	-163.00	-121.01	-121.01	-79.03	-79.03	***
SM10 - KM1	-36.05	14.91	14.91	65.87	65.87	
SM10 - BBFV	-22.52	20.92	20.92	64.35	64.35	
KM1 - CTAN	-192.01	-135.92	-135.92	-79.84	-79.84	***
KM1 - SM10	-65.87	-14.91	-14.91	36.05	36.05	
KM1 - BBFV	-51.17	6.01	6.01	63.19	63.19	
BBFV - CTAN	-191.27	-141.93	-141.93	-92.59	-92.59	***
BBFV - SM10	-64.35	-20.92	-20.92	22.52	22.52	
BBFV - KM1	-63.19	-6.01	-6.01	51.17	51.17	

ORGANICS -- TUKEY, NO TREAT 7, GROUP EFFECT, CM10+SM10, KTAN+CTAN 20
16:39 WEDNESDAY, JANUARY 18, 1989

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: MNAP
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=128 MSE=998.235
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

VTYPE COMPARISON	SIMULTANEOUS LOWER CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS UPPER CONFIDENCE LIMIT		
	LOWER LIMIT	UPPER LIMIT		LOWER LIMIT	UPPER LIMIT	
CTAN - BBFV	18.716	40.159	40.159	61.602	83.164	***
CTAN - SM10	46.675	64.919	64.919	83.164	92.956	***
CTAN - KM1	44.211	68.584	68.584	92.956		***
BBFV - CTAN	-61.602	-40.159	-40.159	-18.716		***
BBFV - SM10	5.886	24.761	24.761	43.635		***
BBFV - KM1	3.577	28.425	28.425	53.273		***
SM10 - CTAN	-83.164	-64.919	-64.919	-46.675		***
SM10 - BBFV	-43.635	-24.761	-24.761	-5.886		***
SM10 - KM1	-18.482	3.664	3.664	25.811		
KM1 - CTAN	-92.956	-68.584	-68.584	-44.211		***
KM1 - BBFV	-53.273	-28.425	-28.425	-3.577		***
KM1 - SM10	-25.811	-3.664	-3.664	18.482		

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: TMN
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=128 MSE=2621.22
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '****'

VTYPEPORT COMPARISON	SIMULTANEOUS LOWER CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS UPPER CONFIDENCE LIMIT		
	CONFIDENCE LIMIT			CONFIDENCE LIMIT		
CTAN - SM10	18.496		48.060	77.625		***
CTAN - KM1	9.842		49.337	88.831		***
CTAN - BBFV	26.254		61.002	95.749		***
SM10 - CTAN	-77.625		-48.060	-18.496		***
SM10 - KM1	-34.611		1.276	37.164		
SM10 - BBFV	-17.644		12.941	43.526		
KM1 - CTAN	-88.831		-49.337	-9.842		***
KM1 - SM10	-37.164		-1.276	34.611		
KM1 - BBFV	-28.600		11.665	51.929		
BBFV - CTAN	-95.749		-61.002	-26.254		***
BBFV - SM10	-43.526		-12.941	17.644		
BBFV - KM1	-51.929		-11.665	28.600		

FORMAL STATISTICAL SUMMARY FOR TABLE 39

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: AL
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=130 MSE=.0062436
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

VTYPFORT COMPARISON	SIMULTANEOUS LOWER CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS UPPER CONFIDENCE LIMIT	
CTAN - BBFV	-0.03848	0.01301	0.01301	0.06450	***
CTAN - SM10	0.07047	0.11524	0.11524	0.16000	***
CTAN - KM1	0.07348	0.12555	0.12555	0.17762	***
BBFV - CTAN	-0.06450	-0.01301	-0.01301	0.03848	***
BBFV - SM10	0.05237	0.10223	0.10223	0.15208	***
BBFV - KM1	0.05604	0.11254	0.11254	0.16905	***
SM10 - CTAN	-0.16000	-0.11524	-0.11524	-0.07047	***
SM10 - BBFV	-0.15208	-0.10223	-0.10223	-0.05237	***
SM10 - KM1	-0.04014	0.01032	0.01032	0.06078	
KM1 - CTAN	-0.17762	-0.12555	-0.12555	-0.07348	***
KM1 - BBFV	-0.16905	-0.11254	-0.11254	-0.05604	***
KM1 - SM10	-0.06078	-0.01032	-0.01032	0.04014	

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: CA
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=130 MSE=.0399625
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '****'

VITYPORT COMPARISON	SIMULTANEOUS LOWER CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS UPPER CONFIDENCE LIMIT		
	CONFIDENCE LIMIT			CONFIDENCE LIMIT		
CTAN - BBFV	0.17441	0.30466	0.30466	0.43492	***	
CTAN - SM10	0.27973	0.39298	0.39298	0.50623	***	
CTAN - KM1	0.27423	0.40596	0.40596	0.53769	***	
BBFV - CTAN	-0.43492	-0.30466	-0.30466	-0.17441	***	
BBFV - SM10	-0.03782	0.08832	0.08832	0.21445		
BBFV - KM1	-0.04166	0.10130	0.10130	0.24426		
SM10 - CTAN	-0.50623	-0.39298	-0.39298	-0.27973	***	
SM10 - BBFV	-0.21445	-0.08832	-0.08832	0.03782		
SM10 - KM1	-0.11467	0.01298	0.01298	0.14064		
KM1 - CTAN	-0.53769	-0.40596	-0.40596	-0.27423	***	
KM1 - BBFV	-0.24426	-0.10130	-0.10130	0.04166		
KM1 - SM10	-0.14064	-0.01298	-0.01298	0.11467		

METALS --TUKEY TEST-ALL VEHICLES, GROUP, KTAN + CTAN, NO TREAT 7 16:38 WEDNESDAY, JANUARY 18, 1989¹⁴

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: CR
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=130 MSE=2.0E-05
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '****'

VTYPE COMPARISON	SIMULTANEOUS CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS UPPER CONFIDENCE LIMIT		
	LOWER LIMIT	UPPER LIMIT		LOWER LIMIT	UPPER LIMIT	
BBFV - CTAN	-0.0020266	0.0008891	0.0008891	0.0038047	0.0038047	***
BBFV - SM10	0.0068044	0.0096278	0.0096278	0.0124512	0.0124512	***
BBFV - KM1	0.0067575	0.0099574	0.0099574	0.0131573	0.0131573	***
CTAN - BBFV	-0.0038047	-0.0008891	-0.0008891	0.0020266	0.0020266	***
CTAN - SM10	0.0062038	0.0087387	0.0087387	0.012737	0.012737	***
CTAN - KM1	0.0061198	0.0090683	0.0090683	0.0120169	0.0120169	***
SM10 - BBFV	-0.0124512	-0.0096278	-0.0096278	-0.0068044	-0.0068044	***
SM10 - CTAN	-0.0112737	-0.0087387	-0.0087387	-0.0062038	-0.0062038	***
SM10 - KM1	-0.0025278	0.0003296	0.0003296	0.0031870	0.0031870	***
KM1 - BBFV	-0.0131573	-0.0099574	-0.0099574	-0.0067575	-0.0067575	***
KM1 - CTAN	-0.0120169	-0.0090683	-0.0090683	-0.0061198	-0.0061198	***
KM1 - SM10	-0.0031870	-0.0003296	-0.0003296	0.0025278	0.0025278	***

GENERAL LINEAR MODEL'S PROCEDURE

TUKLY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: CU
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=130 MSE=2.1E-04
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

VARIABLE COMPARISON	SIMULTANEOUS CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS UPPER CONFIDENCE LIMIT	
	LOWER	UPPER		LOWER	UPPER
SM10 - BBFV	-0.006577	0.002658	0.009235	0.011893	0.011893
SM10 - CTAN	-0.004558	0.003734	0.008292	0.012025	0.012025
SM10 - KM1	-0.000742	0.008605	0.009347	0.017951	0.017951
BBFV - SM10	-0.011893	-0.002658	-0.009235	0.006577	0.006577
BBFV - CTAN	-0.008461	0.001075	0.009536	0.010612	0.010612
BBFV - KM1	-0.004520	0.005947	0.010467	0.016413	0.016413
CTAN - SM10	-0.012025	-0.003734	-0.008292	0.004558	0.004558
CTAN - BBFV	-0.010612	-0.001075	-0.009536	0.008461	0.008461
CTAN - KM1	-0.004774	0.004871	0.009645	0.014516	0.014516
KM1 - SM10	-0.017951	-0.008605	-0.009347	0.00742	0.00742
KM1 - BBFV	-0.016413	-0.005947	-0.010467	0.004520	0.004520
KM1 - CTAN	-0.014516	-0.004871	-0.009645	0.004774	0.004774

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: FE
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=130 MSE=.0183643
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

VARIABLE COMPARISON	SIMULTANEOUS CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS UPPER CONFIDENCE LIMIT		
	LOWER LIMIT	UPPER LIMIT		LOWER LIMIT	UPPER LIMIT	
BBFV - CTAN	-0.02142	0.06688	0.06688	0.15518	0.15518	***
BBFV - SM10	0.10362	0.18913	0.18913	0.27464	0.27464	***
BBFV - KM1	0.11495	0.21186	0.21186	0.30877	0.30877	***
CTAN - BBFV	-0.15518	-0.06688	-0.06688	0.02142	0.02142	***
CTAN - SM10	0.04548	0.12225	0.12225	0.19902	0.19902	***
CTAN - KM1	0.05569	0.14499	0.14499	0.23428	0.23428	***
SM10 - BBFV	-0.27464	-0.18913	-0.18913	-0.10362	-0.10362	***
SM10 - CTAN	-0.19902	-0.12225	-0.12225	-0.04548	-0.04548	***
SM10 - KM1	-0.06381	0.02273	0.02273	0.10927	0.10927	***
KM1 - BBFV	-0.30877	-0.21186	-0.21186	-0.11495	-0.11495	***
KM1 - CTAN	-0.23428	-0.14499	-0.14499	-0.05569	-0.05569	***
KM1 - SM10	-0.10927	-0.02273	-0.02273	0.06381	0.06381	***

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: MG
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=130 MSE=3.9E-04
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '****'

VTYPE COMPARISON	SIMULTANEOUS		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS	
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT		LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT
CTAN - BBFV	-0.002925	0.010014		0.022953	
CTAN - SM10	0.026809	0.038059		0.049308	***
CTAN - KM1	0.025101	0.038187		0.051272	***
BBFV - CTAN	-0.022953	-0.010014		0.002925	
BBFV - SM10	0.015515	0.028045		0.040575	***
BBFV - KM1	0.013972	0.028173		0.042374	***
SM10 - CTAN	-0.049308	-0.038059		-0.026809	***
SM10 - BBFV	-0.040575	-0.028045		-0.015515	***
SM10 - KM1	-0.012553	0.000128		0.012809	
KM1 - CTAN	-0.051272	-0.038187		-0.025101	***
KM1 - BBFV	-0.042374	-0.028173		-0.013972	***
KM1 - SM10	-0.012809	-0.000128		0.012553	

METALS --TUKEY TEST--ALL VEHICLES, GROUP, KTAN + CTAN, NO TREAT 7 16:38 WEDNESDAY, JANUARY 18, 1989 18

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: SB
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=130 MSE=2.3E-05
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '****'

VTYPE COMPARISON	SIMULTANEOUS LOWER CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS UPPER CONFIDENCE LIMIT	
	CONFIDENCE LIMIT			CONFIDENCE LIMIT	
CTAN - BBFV	0.000760	0.003905	0.007049	0.007049	***
CTAN - KM1	0.003932	0.007112	0.010292	0.010292	***
CTAN - SM10	0.005012	0.007746	0.010480	0.010480	***
BBFV - CTAN	-0.007049	-0.003905	-0.000760	-0.000760	***
BBFV - KM1	-0.000244	0.003207	0.006659	0.006659	***
BBFV - SM10	0.000796	0.003841	0.006886	0.006886	***
KM1 - CTAN	-0.010292	-0.007112	-0.003932	-0.003932	***
KM1 - BBFV	-0.006659	-0.003207	0.000244	0.000244	
KM1 - SM10	-0.002448	0.000633	0.003715	0.003715	
SM10 - CTAN	-0.010480	-0.007746	-0.005012	-0.005012	***
SM10 - BBFV	-0.006886	-0.003841	-0.000796	-0.000796	***
SM10 - KM1	-0.003715	-0.000633	0.002448	0.002448	

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: SR
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=130 MSE=1.5E-06
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '****'

VTYPE COMPARISON	SIMULTANEOUS		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS		
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT		LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT	
BBFV - CTAN	0.0005237	0.0013203	0.0013203	0.0021170	0.0021170	***
BBFV - SM10	0.0016205	0.0023919	0.0023919	0.0031634	0.0031634	***
BBFV - KM1	0.0017157	0.0025900	0.0025900	0.0034643	0.0034643	***
CTAN - BBFV	-0.0021170	-0.0013203	-0.0013203	-0.0005237	-0.0005237	***
CTAN - SM10	0.0003790	0.0010716	0.0010716	0.0017642	0.0017642	***
CTAN - KM1	0.0004641	0.0012697	0.0012697	0.0020753	0.0020753	***
SM10 - BBFV	-0.0031634	-0.0023919	-0.0023919	-0.0016205	-0.0016205	***
SM10 - CTAN	-0.0017642	-0.0010716	-0.0010716	-0.0003790	-0.0003790	***
SM10 - KM1	-0.0005827	0.0001981	0.0001981	0.0009788	0.0009788	
KM1 - BBFV	-0.0034643	-0.0025900	-0.0025900	-0.0017157	-0.0017157	***
KM1 - CTAN	-0.0020753	-0.0012697	-0.0012697	-0.0004641	-0.0004641	***
KM1 - SM10	-0.0009788	-0.0001981	-0.0001981	0.0005827	0.0005827	

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: T1
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=130 MSE=2.1E-05
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

VTYPE COMPARISON	SIMULTANEOUS CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS UPPER CONFIDENCE LIMIT		
	LOWER	UPPER		CONFIDENCE	LIMIT	
BBFV - CTAN	0.0020548	0.0050526	0.0030000	0.0080504	0.0100504	***
BBFV - KM1	0.0043190	0.0076091	0.0032900	0.0108992	0.0141892	***
BBFV - SM10	0.0059313	0.0088342	0.0029029	0.0117372	0.0146372	***
CTAN - BBFV	-0.0080504	-0.0050526	-0.0030000	-0.0020548	-0.0050548	***
CTAN - KM1	-0.0004751	0.0025565	0.0030316	0.0055882	0.0086133	***
CTAN - SM10	0.0011753	0.0037817	0.0026064	0.0063881	0.0090000	***
KM1 - BBFV	-0.0108992	-0.0076091	-0.0032900	-0.0043190	-0.0076091	***
KM1 - CTAN	-0.0055882	-0.0025565	-0.0030316	-0.0004751	-0.0035066	***
KM1 - SM10	-0.0017128	0.0012251	0.0029379	0.0041631	0.0061000	***
SM10 - BBFV	-0.0117372	-0.0088342	-0.0029029	-0.0059313	-0.0088342	***
SM10 - CTAN	-0.0063881	-0.0037817	-0.0026064	-0.0011753	-0.0043817	***
SM10 - KM1	-0.0041631	-0.0012251	-0.0029379	0.0000000	0.0029379	***

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: ZN
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=130 MSE=2.9E-04
CRITICAL VALUE OF STUDENTIZED RANGE=3.681

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

VTYPE COMPARISON	SIMULTANEOUS LOWER CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS UPPER CONFIDENCE LIMIT	
BBFV - KM1	0.018597	0.030851	0.043104	0.043104	***
BBFV - CTAN	0.024833	0.035998	0.047163	0.047163	***
BBFV - SM10	0.037120	0.047931	0.058743	0.058743	***
KM1 - BBFV	-0.043104	-0.030851	-0.018597	-0.018597	***
KM1 - CTAN	-0.006143	0.005147	0.016438	0.016438	***
KM1 - SM10	0.006139	0.017081	0.028023	0.028023	***
CTAN - BBFV	-0.047163	-0.035998	-0.024833	-0.024833	***
CTAN - KM1	-0.016438	-0.005147	0.006143	0.006143	***
CTAN - SM10	0.002226	0.011933	0.021641	0.021641	***
SM10 - BBFV	-0.058743	-0.047931	-0.037120	-0.037120	***
SM10 - KM1	-0.028023	-0.017081	-0.006139	-0.006139	***
SM10 - CTAN	-0.021641	-0.011933	-0.002226	-0.002226	***

FORMAL STATISTICAL SUMMARY FOR TABLE 40

AVERAGE CO FOR KM1

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: AVG
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=39 MSE=415.896
CRITICAL VALUE OF STUDENTIZED RANGE=4.394

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

TREAT COMPARISON	SIMULTANEOUS LOWER CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS		SIMULTANEOUS UPPER CONFIDENCE LIMIT	
1 - 6	-38.68	0.13	38.93			
1 - 7	-22.55	16.25	55.05			
1 - 3	-16.86	22.86	62.57			
1 - 4	-16.86	22.86	62.57			
1 - 5	-14.51	28.00	70.51			
1 - 2	-2.55	36.25	75.05			
6 - 1	-38.93	-0.13	38.68			
6 - 7	-15.56	16.13	47.81			
6 - 3	-10.06	22.73	55.53			
6 - 4	-10.06	22.73	55.53			
6 - 5	-8.25	27.88	64.00			
6 - 2	4.44	36.13	67.81			***
7 - 1	-55.05	-16.25	22.55			
7 - 6	-47.81	-16.13	15.56			
7 - 3	-26.19	6.61	39.40			
7 - 4	-26.19	6.61	39.40			
7 - 5	-24.37	11.75	47.87			
7 - 2	-11.6	20.00	51.68			
3 - 1	-62.57	-22.86	16.86			
3 - 6	-55.53	-22.73	10.06			
3 - 7	-39.40	-6.61	26.19			
3 - 4	-33.87	0.00	33.87			
3 - 5	-31.96	5.14	42.25			
3 - 2	-19.40	13.39	46.19			
4 - 1	-62.57	-22.86	16.86			
4 - 6	-55.53	-22.73	10.06			
4 - 7	-39.40	-6.61	26.19			
4 - 3	-33.87	0.00	33.87			
4 - 5	-31.96	5.14	42.25			
4 - 2	-19.40	13.39	46.19			
5 - 1	-70.51	-28.00	14.51			
5 - 6	-64.00	-27.88	8.25			

AVERAGE CO FOR KM1

GENERAL LINEAR MODELS PROCEDURE

TREAT COMPARISON	SIMULTANEOUS		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS	
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT		LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT
5 - 7	-47.87	24.37	-11.75	-47.87	24.37
5 - 3	-42.25	31.96	-5.14	-42.25	31.96
5 - 4	-42.25	31.96	-5.14	-42.25	31.96
5 - 2	-27.87	44.37	8.25	-27.87	44.37
2 - 1	-75.05	2.55	-36.25	-75.05	2.55
2 - 6	-67.81	-4.44	-36.13	-67.81	-4.44
2 - 7	-51.68	11.68	-20.00	-51.68	11.68
2 - 3	-46.19	19.40	-13.39	-46.19	19.40
2 - 4	-46.19	19.40	-13.39	-46.19	19.40
2 - 5	-44.37	27.87	-8.25	-44.37	27.87

AVERAGE CO FOR KM1

GENERAL LINEAR MODELS PROCEDURE

LEAST SQUARES MEANS

TREAT	AVG LSMEAN	STD ERR LSMEAN	PROB > T H0:LSMEAN=0	PROB > T I/J	H0: LSMEAN(I)=LSMEAN(J)	5	6	7
1	48.5869843	10.2336537	0.0001	1	0.0078	0.0900	0.1130	0.0931
2	13.4830729	7.2120631	0.0691	2	0.0078	0.2301	0.1845	0.0010
3	26.3558309	7.7231796	0.0015	3	0.0900	0.2301	0.8983	0.0336
4	27.7621917	7.7174135	0.0009	4	0.1130	0.1845	0.8983	0.0454
5	24.6464310	9.2640764	0.0113	5	0.0931	0.3485	0.7966	0.0402
6	49.6080729	7.2120631	0.0001	6	0.9354	0.0010	0.0336	0.0454
7	33.4830729	7.2120631	0.0001	7	0.2345	0.0570	0.5037	0.1219

NOTE: TO ENSURE OVERALL PROTECTION LEVEL, ONLY PROBABILITIES ASSOCIATED WITH PRE-PLANNED COMPARISONS SHOULD BE USED.

TREAT	AVG LSMEAN	STD ERR LSMEAN	PROB > T H0:LSMEAN=0	PROB > T I/J	H0: LSMEAN(I)=LSMEAN(J)	5	6	7
1	48.5869843	10.2336537	0.0001	1	0.0078	0.0900	0.1130	0.0931
2	13.4830729	7.2120631	0.0691	2	0.0078	0.2301	0.1845	0.0010
3	26.3558309	7.7231796	0.0015	3	0.0900	0.2301	0.8983	0.0336
4	27.7621917	7.7174135	0.0009	4	0.1130	0.1845	0.8983	0.0454
5	24.6464310	9.2640764	0.0113	5	0.0931	0.3485	0.7966	0.0402
6	49.6080729	7.2120631	0.0001	6	0.9354	0.0010	0.0336	0.0454
7	33.4830729	7.2120631	0.0001	7	0.2345	0.0570	0.5037	0.1219

NOTE: TO ENSURE OVERALL PROTECTION LEVEL, ONLY PROBABILITIES ASSOCIATED WITH PRE-PLANNED COMPARISONS SHOULD BE USED.

TREAT	AVG LSMEAN	STD ERR LSMEAN	PROB > T H0:LSMEAN=0	PROB > T I/J	H0: LSMEAN(I)=LSMEAN(J)	5	6	7
1	48.5869843	10.2336537	0.0001	1	0.0078	0.0900	0.1130	0.0931
2	13.4830729	7.2120631	0.0691	2	0.0078	0.2301	0.1845	0.0010
3	26.3558309	7.7231796	0.0015	3	0.0900	0.2301	0.8983	0.0336
4	27.7621917	7.7174135	0.0009	4	0.1130	0.1845	0.8983	0.0454
5	24.6464310	9.2640764	0.0113	5	0.0931	0.3485	0.7966	0.0402
6	49.6080729	7.2120631	0.0001	6	0.9354	0.0010	0.0336	0.0454
7	33.4830729	7.2120631	0.0001	7	0.2345	0.0570	0.5037	0.1219

NOTE: TO ENSURE OVERALL PROTECTION LEVEL, ONLY PROBABILITIES ASSOCIATED WITH PRE-PLANNED COMPARISONS SHOULD BE USED.

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FORMAL STATISTICAL SUMMARY FOR TABLE 41

PEAK CO FOR KM1

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: PEAK
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=39 MSE 280763
CRITICAL VALUE OF STUDENTIZED RANGE=4.394

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

TREAT COMPARISON	SIMULTANEOUS CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS UPPER CONFIDENCE LIMIT		
	LOWER LIMIT	UPPER LIMIT		LOWER LIMIT	UPPER LIMIT	
1 - 6	-834.5	173.8	1182.0	1182.0		
1 - 3	-514.1	517.9	1549.8	1549.8		
1 - 4	-484.1	547.9	1579.8	1579.8		
1 - 7	-445.7	562.5	1570.7	1570.7		
1 - 5	196.6	1301.0	2405.4	2405.4	***	
1 - 2	459.3	1467.5	2475.7	2475.7	***	
6 - 1	-1182.0	-173.8	334.5	334.5		
6 - 3	-508.0	344.1	1196.2	1196.2		
6 - 4	-478.0	374.1	1226.2	1226.2		
6 - 7	-434.5	388.8	1212.0	1212.0		
6 - 5	188.6	1127.3	2065.9	2065.9	***	
6 - 2	470.5	1293.8	2117.0	2117.0	***	
3 - 1	-1549.8	-517.9	514.1	514.1		
3 - 6	-1196.2	-344.1	508.0	508.0		
3 - 4	-850.0	30.0	910.0	910.0		
3 - 7	-807.5	44.6	896.7	896.7		
3 - 5	-180.9	783.1	1747.2	1747.2		
3 - 2	97.5	949.6	1801.7	1801.7	***	
4 - 1	-1579.8	-547.9	484.1	484.1		
4 - 6	-1226.2	-374.1	478.0	478.0		
4 - 3	-910.0	-30.0	850.0	850.0		
4 - 7	-837.5	14.6	866.7	866.7		
4 - 5	-210.9	753.1	1717.2	1717.2		
4 - 2	67.5	919.6	1771.7	1771.7	***	
7 - 1	-1570.7	-562.5	445.7	445.7		
7 - 6	-1212.0	-388.8	434.5	434.5		
7 - 3	-896.7	-44.6	807.5	807.5		
7 - 4	-866.7	-14.6	837.5	837.5		
7 - 5	-200.1	738.5	1677.1	1677.1		
7 - 2	81.8	905.0	1728.2	1728.2	***	
5 - 1	-2405.4	-1301.0	-196.6	-196.6	***	
5 - 6	-2065.9	-1127.3	-188.6	-188.6	***	

PEAK CO FOR KM1

GENERAL LINEAR MODELS PROCEDURE

TREAT COMPARISON	SIMULTANEOUS LOWER CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS UPPER CONFIDENCE LIMIT		
5 - 3	-1747.2	180.9	-783.1	-459.3	***	
5 - 4	-1717.2	210.9	-753.1	-470.5	***	
5 - 5	-1677.1	200.1	-738.5	-97.5	***	
5 - 7	-1677.1	200.1	-738.5	-67.5	***	
5 - 2	-772.1	1105.1	166.5	-81.8	***	
2 - 1	-2475.7	-459.3	-1467.5	772.1		
2 - 2	-2117.0	-470.5	-1293.8			
2 - 3	-1801.7	-97.5	-949.6			
2 - 4	-1771.7	-67.5	-919.6			
2 - 7	-1728.2	-81.8	-905.0			
2 - 5	-1105.1	772.1	-166.5			

FORMAL STATISTICAL SUMMARY FOR TABLE 42

PEAK CO FOR BBFV

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: PEAK
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=51 MSE=73944.6
CRITICAL VALUE OF STUDENTIZED RANGE=4.187

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

TREAT COMPARISON	SIMULTANEOUS		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS	
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT		LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT
1 - 4	-315.1	405.1	45.0	-315.1	405.1
1 - 6	-160.1	560.1	200.0	-160.1	560.1
1 - 3	-48.1	672.1	312.0	-48.1	672.1
1 - 2	-12.2	751.7	369.8	-12.2	751.7
1 - 5	28.9	749.1	389.0	28.9	749.1

4 - 1	-405.1	315.1	-45.0	-405.1	315.1
4 - 6	-205.1	515.1	155.0	-205.1	515.1
4 - 3	-93.1	627.1	267.0	-93.1	627.1
4 - 2	-57.2	706.7	324.8	-57.2	706.7
4 - 5	-16.1	704.1	344.0	-16.1	704.1
6 - 1	-560.1	160.1	-200.0	-560.1	160.1
6 - 4	-515.1	205.1	-155.0	-515.1	205.1
6 - 3	-248.1	472.1	112.0	-248.1	472.1
6 - 2	-212.2	551.7	169.8	-212.2	551.7
6 - 5	-171.1	549.1	189.0	-171.1	549.1
3 - 1	-672.1	48.1	-312.0	-672.1	48.1
3 - 4	-627.1	93.1	-267.0	-627.1	93.1
3 - 6	-472.1	248.1	-112.0	-472.1	248.1
3 - 2	-324.2	439.7	57.8	-324.2	439.7
3 - 5	-283.1	437.1	77.0	-283.1	437.1
2 - 1	-751.7	12.2	-369.8	-751.7	12.2
2 - 4	-706.7	57.2	-324.8	-706.7	57.2
2 - 6	-551.7	212.2	-169.8	-551.7	212.2
2 - 3	-439.7	324.2	-57.8	-439.7	324.2
2 - 5	-362.7	401.2	19.3	-362.7	401.2
5 - 1	-749.1	-28.9	-389.0	-749.1	-28.9
5 - 4	-704.1	16.1	-344.0	-704.1	16.1
5 - 6	-549.1	171.1	-189.0	-549.1	171.1
5 - 3	-437.1	283.1	-77.0	-437.1	283.1
5 - 2	-401.2	362.7	-19.3	-401.2	362.7

PEAK CO FOR BBFV

GENERAL LINEAR MODELS PROCEDURE

LEAST SQUARES MEANS

TREAT	PEAK LSMEAN	STD ERR LSMEAN	PROB > T H0:LSMEAN=0	PROB > T H0:LSMEAN=0	1/J	1	2	3	4	5	6
1	606.004143	85.991233	0.0001	0.0001	1	0.0060	0.0133	0.0133	0.7129	0.0024	0.1062
2	236.224109	96.148249	0.0175	0.0175	2	0.0060	0.6561	0.6561	0.0150	0.8821	0.1940
3	294.004143	85.991233	0.0012	0.0012	3	0.0133	0.6561	0.0327	0.0327	0.5294	0.3614
4	561.004143	85.991233	0.0001	0.0001	4	0.7129	0.0150	0.0327	0.0067	0.2082	0.1263
5	217.004143	85.991233	0.0148	0.0148	5	0.0024	0.8821	0.5294	0.0067	0.1263	
6	406.004143	85.991233	0.0001	0.0001	6	0.1062	0.1940	0.3614	0.2082	0.1263	

NOTE: TO ENSURE OVERALL PROTECTION LEVEL, ONLY PROBABILITIES ASSOCIATED WITH PRE-PLANNED COMPARISONS SHOULD BE USED.

TREAT	PEAK LSMEAN	STD ERR LSMEAN	PROB > T H0:LSMEAN=0	PROB > T H0:LSMEAN=0	1/J	1	2	3	4	5	6
1	606.004143	85.991233	0.0001	0.0001	1	0.0060	0.0133	0.0133	0.7129	0.0024	0.1062
2	236.224109	96.148249	0.0175	0.0175	2	0.0060	0.6561	0.6561	0.0150	0.8821	0.1940
3	294.004143	85.991233	0.0012	0.0012	3	0.0133	0.6561	0.0327	0.0327	0.5294	0.3614
4	561.004143	85.991233	0.0001	0.0001	4	0.7129	0.0150	0.0327	0.0067	0.2082	0.1263
5	217.004143	85.991233	0.0148	0.0148	5	0.0024	0.8821	0.5294	0.0067	0.1263	
6	406.004143	85.991233	0.0001	0.0001	6	0.1062	0.1940	0.3614	0.2082	0.1263	

NOTE: TO ENSURE OVERALL PROTECTION LEVEL, ONLY PROBABILITIES ASSOCIATED WITH PRE-PLANNED COMPARISONS SHOULD BE USED.

TREAT	PEAK LSMEAN	STD ERR LSMEAN	PROB > T H0:LSMEAN=0	PROB > T H0:LSMEAN=0	1/J	1	2	3	4	5	6
1	606.004143	85.991233	0.0001	0.0001	1	0.0060	0.0133	0.0133	0.7129	0.0024	0.1062
2	236.224109	96.148249	0.0175	0.0175	2	0.0060	0.6561	0.6561	0.0150	0.8821	0.1940
3	294.004143	85.991233	0.0012	0.0012	3	0.0133	0.6561	0.0327	0.0327	0.5294	0.3614
4	561.004143	85.991233	0.0001	0.0001	4	0.7129	0.0150	0.0327	0.0067	0.2082	0.1263
5	217.004143	85.991233	0.0148	0.0148	5	0.0024	0.8821	0.5294	0.0067	0.1263	
6	406.004143	85.991233	0.0001	0.0001	6	0.1062	0.1940	0.3614	0.2082	0.1263	

NOTE: TO ENSURE OVERALL PROTECTION LEVEL, ONLY PROBABILITIES ASSOCIATED WITH PRE-PLANNED COMPARISONS SHOULD BE USED.

FORMAL STATISTICAL SUMMARY FOR TABLE 43

PEAK CO FOR KTAN COMBINED WITH CTAN

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: PEAK
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=77 MSE=353398
CRITICAL VALUE OF STUDENTIZED RANGE=4.282

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

TREAT COMPARISON	SIMULTANEOUS LOWER CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS		SIMULTANEOUS UPPER CONFIDENCE LIMIT		
6 - 7	-615.4	171.0	957.4				
6 - 4	-450.9	335.5	1122.0				
6 - 3	-248.5	496.7	1241.9				
6 - 1	-136.4	608.9	1354.1				
6 - 5	-164.5	621.9	1408.3				
6 - 2	268.6	1013.9	1759.1				***
7 - 6	-957.4	-171.0	615.4				
7 - 4	-602.9	164.5	932.0				
7 - 3	-399.5	325.7	1050.9				
7 - 1	-287.3	437.9	1163.0				
7 - 5	-316.6	450.9	1218.4				
7 - 2	117.7	842.9	1568.0				***
4 - 6	-1122.0	-335.5	450.9				
4 - 7	-932.0	-164.5	602.9				
4 - 3	-564.0	161.2	886.4				
4 - 1	-451.9	273.3	998.5				
4 - 5	-481.1	286.4	1053.8				
4 - 2	-46.9	678.3	1403.5				
3 - 6	-1241.9	-496.7	248.5				
3 - 7	-1050.9	-325.7	399.5				
3 - 4	-886.4	-161.2	564.0				
3 - 1	-568.1	112.1	792.4				
3 - 5	-600.0	125.2	850.4				
3 - 2	-163.1	517.1	1197.4				
1 - 6	-1354.1	-608.9	136.4				
1 - 7	-1163.0	-437.9	287.3				
1 - 4	-998.5	-273.3	451.9				
1 - 3	-792.4	-112.1	568.1				
1 - 5	-712.1	13.1	738.2				
1 - 2	-275.3	405.0	1085.3				
5 - 6	-1408.3	-621.9	164.5				
5 - 7	-1218.4	-450.9	316.6				

PEAK CO FOR KTAN COMBINED WITH CTAN
GENERAL LINEAR MODELS PROCEDURE

TREAT COMPARISON	SIMULTANEOUS		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS	
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT		LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT
5 - 4	-1053.8	481.1	-286.4	-1053.8	481.1
5 - 3	-850.4	600.0	-125.2	-850.4	600.0
5 - 1	-738.2	712.1	-13.1	-738.2	712.1
5 - 2	-333.2	1117.1	391.9	-333.2	1117.1
2 - 6	-1759.1	-268.6	-1013.9	-1759.1	-268.6
2 - 7	-1568.0	..117.7	-842.9	-1568.0	..117.7
2 - 4	-1403.5	46.9	-678.3	-1403.5	46.9
2 - 3	-1197.4	163.1	-517.1	-1197.4	163.1
2 - 1	-1085.3	275.3	-405.0	-1085.3	275.3
2 - 5	-1117.1	333.2	-391.9	-1117.1	333.2

PEAK CO FOR KTAN COMBINED WITH CTAN

GENERAL LINEAR MODELS PROCEDURE

LEAST SQUARES MEANS

TREAT	PEAK LSMEAN	STD ERR LSMEAN	PROB > T H0: LSMEAN=0	PROB > T I/J	H0: LSMEAN(I)=LSMEAN(J)	1	2	3	4	5	6	7
1	792.54779	158.87968	0.0001	1	0.0754	0.6191	0.2162	0.9617	0.0256	0.0780	0.0008	0.0008
2	387.54779	158.87968	0.0170	2	0.0754	0.0241	0.0044	0.0862	0.0002	0.0008	0.0008	0.0008
3	904.69065	158.87968	0.0001	3	0.6191	0.0241	0.4384	0.6759	0.0725	0.1913	0.1913	0.1913
4	1091.35866	179.43336	0.0001	4	0.2162	0.0044	0.4384	0.2606	0.3175	0.6123	0.6123	0.6123
5	804.10739	179.42037	0.0001	5	0.9617	0.0862	0.6759	0.2606	0.0383	0.1049	0.1049	0.1049
6	1353.76875	188.59990	0.0001	6	0.0256	0.0002	0.0725	0.3175	0.0383	0.6097	0.6097	0.6097
7	1220.47081	179.26652	0.0001	7	0.0780	0.0008	0.1913	0.6123	0.1049	0.6097	0.6097	0.6097

NOTE: TO ENSURE OVERALL PROTECTION LEVEL, ONLY PROBABILITIES ASSOCIATED WITH PRE-PLANNED COMPARISONS SHOULD BE USED.

TREAT	PEAK LSMEAN	STD ERR LSMEAN	PROB > T H0: LSMEAN=0	PROB > T I/J	H0: LSMEAN(I)=LSMEAN(J)	1	2	3	4	5	6	7
1	792.54779	158.87968	0.0001	1	0.0754	0.6191	0.2162	0.9617	0.0256	0.0780	0.0008	0.0008
2	387.54779	158.87968	0.0170	2	0.0754	0.0241	0.0044	0.0862	0.0002	0.0008	0.0008	0.0008
3	904.69065	158.87968	0.0001	3	0.6191	0.0241	0.4384	0.6759	0.0725	0.1913	0.1913	0.1913
4	1091.35866	179.43336	0.0001	4	0.2162	0.0044	0.4384	0.2606	0.3175	0.6123	0.6123	0.6123
5	804.10739	179.42037	0.0001	5	0.9617	0.0862	0.6759	0.2606	0.0383	0.1049	0.1049	0.1049
6	1353.76875	188.59990	0.0001	6	0.0256	0.0002	0.0725	0.3175	0.0383	0.6097	0.6097	0.6097
7	1220.47081	179.26652	0.0001	7	0.0780	0.0008	0.1913	0.6123	0.1049	0.6097	0.6097	0.6097

NOTE: TO ENSURE OVERALL PROTECTION LEVEL, ONLY PROBABILITIES ASSOCIATED WITH PRE-PLANNED COMPARISONS SHOULD BE USED.

TREAT	PEAK LSMEAN	STD ERR LSMEAN	PROB > T H0: LSMEAN=0	PROB > T I/J	H0: LSMEAN(I)=LSMEAN(J)	1	2	3	4	5	6	7
1	792.54779	158.87968	0.0001	1	0.0754	0.6191	0.2162	0.9617	0.0256	0.0780	0.0008	0.0008
2	387.54779	158.87968	0.0170	2	0.0754	0.0241	0.0044	0.0862	0.0002	0.0008	0.0008	0.0008
3	904.69065	158.87968	0.0001	3	0.6191	0.0241	0.4384	0.6759	0.0725	0.1913	0.1913	0.1913
4	1091.35866	179.43336	0.0001	4	0.2162	0.0044	0.4384	0.2606	0.3175	0.6123	0.6123	0.6123
5	804.10739	179.42037	0.0001	5	0.9617	0.0862	0.6759	0.2606	0.0383	0.1049	0.1049	0.1049
6	1353.76875	188.59990	0.0001	6	0.0256	0.0002	0.0725	0.3175	0.0383	0.6097	0.6097	0.6097
7	1220.47081	179.26652	0.0001	7	0.0780	0.0008	0.1913	0.6123	0.1049	0.6097	0.6097	0.6097

NOTE: TO ENSURE OVERALL PROTECTION LEVEL, ONLY PROBABILITIES ASSOCIATED WITH PRE-PLANNED COMPARISONS SHOULD BE USED.

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FORMAL STATISTICAL SUMMARY FOR TABLE 44

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: NON
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=52 MSE=176.677
CRITICAL VALUE OF STUDENTIZED RANGE=4.184

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

TREAT COMPARISON		SIMULTANEOUS LOWER CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS UPPER CONFIDENCE LIMIT		
3	- 2	-12.680	5.975	24.630	***		
3	- 1	1.252	18.840	36.428	***		
3	- 4	1.737	19.807	37.876	***		
3	- 5	3.259	20.098	36.937	***		
3	- 6	2.998	20.586	38.174	***		
2	- 3	-24.630	-5.975	12.680			
2	- 1	-5.790	12.865	31.520			
2	- 4	-5.278	13.832	32.941			
2	- 5	-3.827	14.123	32.074			
2	- 6	-4.044	14.611	33.266			
1	- 3	-36.428	-18.840	-1.252	***		
1	- 2	-31.520	-12.865	5.790			
1	- 4	-17.103	0.967	19.036			
1	- 5	-15.581	1.258	18.097			
1	- 6	-15.842	1.746	19.334			
4	- 3	-37.876	-19.807	-1.737	***		
4	- 2	-32.941	-13.832	5.278			
4	- 1	-19.036	-0.967	17.103			
4	- 5	-17.050	0.292	17.633			
4	- 6	-17.290	0.779	18.849			
5	- 3	-36.937	-20.098	-3.259	***		
5	- 2	-32.074	-14.123	3.827			
5	- 1	-18.097	-1.258	15.581			
5	- 4	-17.633	-0.292	17.050			
5	- 6	-16.351	0.488	17.327			
6	- 3	-38.174	-20.586	-2.998	***		
6	- 2	-33.266	-14.611	4.044			
6	- 1	-19.334	-1.746	15.842			
6	- 4	-18.849	-0.779	17.290			
6	- 5	-17.327	-0.488	16.351			

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: IND
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=52 MSE=678.456
CRITICAL VALUE OF STUDENTIZED RANGE=4.184

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

TREAT COMPARISON	SIMULTANEOUS CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS CONFIDENCE LIMIT		
	LOWER	UPPER		LOWER	UPPER	
3 - 2	-31.36	41.76	5.20	-31.36	41.76	***
3 - 1	4.08	73.01	38.55	4.08	73.01	***
3 - 4	10.89	81.71	46.30	10.89	81.71	***
3 - 6	14.37	83.31	48.84	14.37	83.31	***
3 - 5	16.77	82.77	49.77	16.77	82.77	***
2 - 3	-41.76	31.36	-5.20	-41.76	31.36	
2 - 1	-3.21	69.90	33.35	-3.21	69.90	***
2 - 4	3.65	78.55	41.10	3.65	78.55	***
2 - 6	7.08	80.20	43.64	7.08	80.20	***
2 - 5	9.39	79.74	44.57	9.39	79.74	***
1 - 3	-73.01	-4.08	-38.55	-73.01	-4.08	***
1 - 2	-69.90	3.21	-33.35	-69.90	3.21	
1 - 4	-27.66	43.16	7.75	-27.66	43.16	
1 - 6	-24.17	44.76	10.29	-24.17	44.76	
1 - 5	-21.78	44.22	11.22	-21.78	44.22	
4 - 3	-81.71	-10.89	-46.30	-81.71	-10.89	***
4 - 2	-78.55	-3.65	-41.10	-78.55	-3.65	***
4 - 1	-43.16	27.66	-7.75	-43.16	27.66	
4 - 6	-32.87	37.95	2.54	-32.87	37.95	
4 - 5	-30.51	37.45	3.47	-30.51	37.45	
6 - 3	-83.31	-14.37	-48.84	-83.31	-14.37	***
6 - 2	-80.20	-7.08	-43.64	-80.20	-7.08	***
6 - 1	-44.76	24.17	-10.29	-44.76	24.17	
6 - 4	-37.95	32.87	-2.54	-37.95	32.87	
6 - 5	-32.07	33.93	0.93	-32.07	33.93	
5 - 3	-82.77	-16.77	-49.77	-82.77	-16.77	***
5 - 2	-79.74	-9.39	-44.57	-79.74	-9.39	***
5 - 1	-44.22	21.78	-11.22	-44.22	21.78	
5 - 4	-37.45	30.51	-3.47	-37.45	30.51	
5 - 6	-33.93	32.07	-0.93	-33.93	32.07	

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: TMN
 NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=52 MSE=185.685
 CRITICAL VALUE OF STUDENTIZED RANGE=4.184

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '****'

TREAT COMPARISON	SIMULTANEOUS		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS		
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT		LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT	
3 - 2	-3.987	34.262	15.137	-3.987	34.262	***
3 - 1	11.896	47.958	29.927	11.896	47.958	***
3 - 5	17.516	52.042	34.779	17.516	52.042	***
3 - 6	17.657	53.719	35.688	17.657	53.719	***
3 - 4	18.868	55.917	37.392	18.868	55.917	***
2 - 3	-34.262	3.987	-15.137	-34.262	3.987	
2 - 1	-4.335	33.914	14.790	-4.335	33.914	***
2 - 5	1.239	38.044	19.642	1.239	38.044	***
2 - 6	1.426	39.675	20.550	1.426	39.675	***
2 - 4	2.664	41.846	22.255	2.664	41.846	***
1 - 3	-47.958	-11.896	-29.927	-47.958	-11.896	***
1 - 2	-33.914	4.335	-14.790	-33.914	4.335	
1 - 5	-12.411	22.115	4.852	-12.411	22.115	
1 - 6	-12.270	23.792	5.761	-12.270	23.792	
1 - 4	-11.059	25.990	7.465	-11.059	25.990	
5 - 3	-52.042	-17.516	-34.779	-52.042	-17.516	***
5 - 2	-38.044	-1.239	-19.642	-38.044	-1.239	***
5 - 1	-22.115	12.411	-4.852	-22.115	12.411	
5 - 6	-16.354	18.172	0.909	-16.354	18.172	
5 - 4	-15.165	20.391	2.613	-15.165	20.391	
6 - 3	-53.719	-17.657	-35.688	-53.719	-17.657	***
6 - 2	-39.675	-1.426	-20.550	-39.675	-1.426	***
6 - 1	-23.792	12.270	-5.761	-23.792	12.270	
6 - 5	-18.172	16.354	-0.909	-18.172	16.354	
6 - 4	-16.820	20.229	1.704	-16.820	20.229	
4 - 3	-55.917	-18.868	-37.392	-55.917	-18.868	***
4 - 2	-41.846	-2.664	-22.255	-41.846	-2.664	***
4 - 1	-25.990	11.059	-7.465	-25.990	11.059	
4 - 5	-20.391	15.165	-2.613	-20.391	15.165	
4 - 6	-20.229	16.820	-1.704	-20.229	16.820	

GENERAL LINEAR MODELS PROCEDURE

LEAST SQUARES MEANS

TREAT	DMCH LSMEAN	STD ERR LSMEAN	PROB > T H0:LSMEAN=0	PROB > T I/J	H0: LSMEAN(I)=LSMEAN(J)	1	2	3	4	5	6
1	1.75825750	2.69661795	0.5173	1	0.6351	0.0658	0.9786	0.9776	0.9776	0.9776	0.7776
2	3.69441615	3.01849925	0.2265	2	0.6351	0.2011	0.6602	0.6029	0.6029	0.4600	0.4600
3	8.92695621	2.69332128	0.0017	3	0.0658	0.2011	0.0768	0.0514	0.0514	0.0351	0.0351
4	1.86401818	2.83856180	0.5143	4	0.9786	0.6602	0.0768	0.9559	0.9559	0.7630	0.7630
5	1.65547117	2.45785106	0.5036	5	0.9776	0.6029	0.0514	0.9559	0.9559	0.7895	0.7895
6	0.67707160	2.69483476	0.8026	6	0.7776	0.4600	0.0351	0.7630	0.7630	0.7895	0.7895

TREAT	DMBZ LSMEAN	STD ERR LSMEAN	PROB > T H0:LSMEAN=0	PROB > T I/J	H0: LSMEAN(I)=LSMEAN(J)	1	2	3	4	5	6
1	16.7403958	6.8492616	0.0179	1	0.3396	0.1163	0.8574	0.9167	0.9167	0.3234	0.3234
2	26.6702561	7.6668224	0.0010	2	0.3396	0.5914	0.2698	0.2755	0.2755	0.9777	0.9777
3	32.2134200	6.8408882	0.0001	3	0.1163	0.5914	0.0881	0.0817	0.0817	0.5496	0.5496
4	14.9432760	7.2097911	0.0432	4	0.8574	0.2698	0.0881	0.9315	0.9315	0.2555	0.2555
5	15.7668359	6.2428068	0.0146	5	0.9167	0.2755	0.0817	0.9315	0.9315	0.2570	0.2570
6	26.3808278	6.8447324	0.0003	6	0.3234	0.9777	0.5496	0.2555	0.2555	0.2570	0.2570

TREAT	NON LSMEAN	STD ERR LSMEAN	PROB > T H0:LSMEAN=0	PROB > T I/J	H0: LSMEAN(I)=LSMEAN(J)	1	2	3	4	5	6
1	6.6379214	4.2104581	0.1210	1	0.0239	0.0015	0.9814	0.9022	0.9022	0.7915	0.7915
2	21.3763646	4.7130386	0.0001	2	0.0239	0.4076	0.0282	0.0141	0.0141	0.0128	0.0128
3	26.6436194	4.2053107	0.0001	3	0.0015	0.4076	0.0020	0.0006	0.0006	0.0007	0.0007
4	6.7814433	4.4320870	0.1321	4	0.9814	0.0282	0.0020	0.8857	0.8857	0.7792	0.7792
5	5.9346824	3.8376511	0.1281	5	0.9022	0.0141	0.0006	0.8857	0.8857	0.8783	0.8783
6	5.0584497	4.2076738	0.2347	6	0.7915	0.0128	0.0007	0.7792	0.7792	0.8783	0.8783

TREAT	IND LSMEAN	STD ERR LSMEAN	PROB > T H0:LSMEAN=0	PROB > T I/J	H0: LSMEAN(I)=LSMEAN(J)	1	2	3	4	5	6
1	20.2690774	8.2508693	0.0174	1	0.0147	0.0024	0.4592	0.2945	0.2945	0.3729	0.3729
2	51.6098871	9.2357328	0.0001	2	0.0147	0.6319	0.0025	0.0007	0.0007	0.0014	0.0014
3	57.5677812	8.2407825	0.0001	3	0.0024	0.6319	0.0003	0.0001	0.0001	0.0001	0.0001
4	11.3294461	8.6851764	0.1978	4	0.4592	0.0025	0.0003	0.8033	0.8033	0.8988	0.8988
5	8.4533173	7.5203118	0.2661	5	0.2945	0.0007	0.0001	0.8033	0.8033	0.9045	0.9045
6	9.7977494	8.2454133	0.2401	6	0.3729	0.0014	0.0001	0.8988	0.8988	0.9045	0.9045

GENERAL LINEAR MODELS PROCEDURE

LEAST SQUARES MEANS

TREAT	MNAP LSMEAN	STD ERR LSMEAN	PROB > T H0:LSMEAN=0	PROB > T I/J	H0: LSMEAN(I)=LSMEAN(J)	1	2	3	4	5	6
1	25.9411670	5.8669589	0.0001	1	0.4593	0.2722	0.0520	0.0875	0.0894		
2	19.3607981	6.5672674	0.0048	2	0.4593	0.7660	0.2546	0.3981	0.3832		
3	16.7304930	5.8597865	0.0062	3	0.2722	0.7660	0.3669	0.5654	0.5394		
4	8.9846521	6.1757823	0.1517	4	0.0520	0.2546	0.3669	0.7009	0.7596		
5	12.1401318	5.3474802	0.0274	5	0.0879	0.3981	0.5654	0.7009	0.9465		
6	11.6053564	5.8630793	0.0531	6	0.0894	0.3832	0.5394	0.7596	0.9465		

TREAT	TMN LSMEAN	STD ERR LSMEAN	PROB > T H0:LSMEAN=0	PROB > T I/J	H0: LSMEAN(I)=LSMEAN(J)	1	2	3	4	5	6
1	9.2991148	4.3164593	0.0359	1	0.0359	0.0001	0.2111	0.3873	0.3430		
2	23.2869158	4.8316926	0.0001	2	0.0359	0.0206	0.0017	0.0035	0.0035		
3	38.7272799	4.3111823	0.0001	3	0.0001	0.0206	0.0001	0.0001	0.0001		
4	1.3588117	4.5436679	0.7661	4	0.2111	0.0017	0.0001	0.6374	0.7380		
5	4.2094077	3.9342666	0.2896	5	0.3873	0.0035	0.0001	0.6374	0.8992		
6	3.4668527	4.3136049	0.4252	6	0.3430	0.0035	0.0001	0.7380	0.8992		

NOTE: TO ENSURE OVERALL PROTECTION LEVEL, ONLY PROBABILITIES ASSOCIATED WITH PRE-PLANNED COMPARISONS SHOULD BE USED.

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FORMAL STATISTICAL SUMMARY FOR TABLE 45

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: DMBZ
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=29 MSE=16548.3
CRITICAL VALUE OF STUDENTIZED RANGE=4.475

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '****'

TREAT COMPARISON	SIMULTANEOUS CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS CONFIDENCE LIMIT		
	LOWER LIMIT	UPPER LIMIT		LOWER LIMIT	UPPER LIMIT	
5 - 7	-111.60	114.85	114.85	-111.60	341.30	
5 - 4	-124.37	156.51	156.51	-124.37	437.39	
5 - 6	-20.38	217.95	217.95	-20.38	456.29	
5 - 1	9.15	235.60	235.60	9.15	462.05	***
5 - 3	14.98	253.32	253.32	14.98	491.65	***
5 - 2	98.98	337.31	337.31	98.98	575.65	***
7 - 5	-341.30	-114.85	-114.85	-341.30	111.60	
7 - 4	-246.15	41.67	41.67	-246.15	329.48	
7 - 6	-143.36	103.11	103.11	-143.36	349.58	
7 - 1	-114.25	120.75	120.75	-114.25	355.75	
7 - 3	-108.00	138.47	138.47	-108.00	384.94	
7 - 2	-24.00	222.47	222.47	-24.00	468.94	
4 - 5	-437.39	-156.51	-156.51	-437.39	124.37	
4 - 7	-329.48	-41.67	-41.67	-329.48	246.15	
4 - 6	-235.82	61.44	61.44	-235.82	358.70	
4 - 1	-208.73	79.08	79.08	-208.73	366.90	
4 - 3	-200.45	96.80	96.80	-200.45	394.06	
4 - 2	-116.46	180.80	180.80	-116.46	478.06	
6 - 5	-456.29	-217.95	-217.95	-456.29	20.38	
6 - 7	-349.58	-103.11	-103.11	-349.58	143.36	
6 - 4	-358.70	-61.44	-61.44	-358.70	235.82	
6 - 1	-228.83	17.64	17.64	-228.83	264.11	
6 - 3	-222.07	35.36	35.36	-222.07	292.79	
6 - 2	-138.07	119.36	119.36	-138.07	376.79	
1 - 5	-462.05	-235.60	-235.60	-462.05	-9.15	***
1 - 7	-355.75	-120.75	-120.75	-355.75	114.25	
1 - 4	-366.90	-79.08	-79.08	-366.90	208.73	
1 - 6	-264.11	-17.64	-17.64	-264.11	228.83	
1 - 3	-228.75	17.72	17.72	-228.75	264.19	
1 - 2	-144.75	101.72	101.72	-144.75	348.19	
3 - 5	-491.65	-253.32	-253.32	-491.65	-14.98	***
3 - 7	-384.94	-138.47	-138.47	-384.94	108.00	
3 - 4	-394.06	-96.80	-96.80	-394.06	200.45	
3 - 6	-292.79	-35.36	-35.36	-292.79	222.07	
3 - 1	-264.19	-17.72	-17.72	-264.19	228.75	
3 - 2	-173.43	84.00	84.00	-173.43	341.43	

GENERAL LINEAR MODELS PROCEDURE

TREAT COMPARISON	SIMULTANEOUS		DIFFERENCE		SIMULTANEOUS	
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT	BETWEEN MEANS	CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT	***
2 - 5	-575.65	-98.98	-337.31	-98.98	-98.98	***
2 - 7	-468.94	24.00	-222.47	24.00	24.00	
2 - 4	-478.06	116.46	-180.80	116.46	116.46	
2 - 6	-376.79	138.07	-119.36	138.07	138.07	
2 - 1	-348.19	144.75	-101.72	144.75	144.75	
2 - 3	-341.43	173.43	-84.00	173.43	173.43	

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: MNAP
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=29 MSE=1896.5
CRITICAL VALUE OF STUDENTIZED RANGE=4.475

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '****'

TREAT COMPARISON	SIMULTANEOUS		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS	
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT		LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT
5 - 7	-35.85	40.81	117.47	-35.85	117.47
5 - 4	-28.28	66.81	161.90	-28.28	161.90
5 - 1	-2.35	74.31	150.97	-2.35	150.97
5 - 3	4.24	84.92	165.61	4.24	165.61
5 - 6	23.30	103.98	184.67	23.30	184.67
5 - 2	32.42	113.10	193.79	32.42	193.79
7 - 5	-117.47	-40.81	35.85	-117.47	35.85
7 - 4	-71.43	26.00	123.43	-71.43	123.43
7 - 1	-46.06	33.50	113.06	-46.06	113.06
7 - 3	-39.32	44.11	127.55	-39.32	127.55
7 - 6	-20.26	63.17	146.61	-20.26	146.61
7 - 2	-11.14	72.29	155.73	-11.14	155.73
4 - 5	-161.90	-66.81	28.28	-161.90	28.28
4 - 7	-123.43	-26.00	71.43	-123.43	71.43
4 - 1	-89.93	7.50	104.93	-89.93	104.93
4 - 3	-82.52	18.11	118.74	-82.52	118.74
4 - 6	-63.46	37.17	137.80	-63.46	137.80
4 - 2	-54.34	46.29	146.92	-54.34	146.92
1 - 5	-150.97	-74.31	2.35	-150.97	2.35
1 - 7	-113.06	-33.50	46.06	-113.06	46.06
1 - 4	-104.93	-7.50	89.93	-104.93	89.93
1 - 3	-72.82	10.61	94.05	-72.82	94.05
1 - 6	-53.76	29.67	113.11	-53.76	113.11
1 - 2	-44.64	38.79	122.23	-44.64	122.23
3 - 5	-165.61	-84.92	-4.24	-165.61	-4.24
3 - 7	-127.55	-44.11	39.32	-127.55	39.32
3 - 4	-118.74	-18.11	82.52	-118.74	82.52
3 - 1	-94.05	-10.61	72.82	-94.05	72.82
3 - 6	-68.09	19.06	106.21	-68.09	106.21
3 - 2	-58.97	28.18	115.33	-58.97	115.33
6 - 5	-184.67	-103.98	-23.30	-184.67	-23.30
6 - 7	-146.61	-63.17	20.26	-146.61	20.26
6 - 4	-137.80	-37.17	63.46	-137.80	63.46
6 - 1	-113.11	-29.67	53.76	-113.11	53.76
6 - 3	-106.21	-19.06	68.09	-106.21	68.09
6 - 2	-78.03	9.12	96.27	-78.03	96.27

GENERAL LINEAR MODELS PROCEDURE

TREAT COMPARISON	SIMULTANEOUS		DIFFERENCE		SIMULTANEOUS	
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT	BETWEEN MEANS	CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT	
2 - 5	-193.79	-32.42	-113.10	-32.42	11.14	**
2 - 7	-155.73	11.14	-72.29	11.14	54.34	
2 - 4	-146.92	54.34	-46.29	54.34	44.64	
2 - 1	-122.23	44.64	-38.79	44.64	58.97	
2 - 3	-115.33	58.97	-28.18	58.97	78.03	
2 - 6	-96.27	78.03	-9.12	78.03		

GENERAL LINEAR MODELS PROCEDURE

LEAST SQUARES MEANS

TREAT	DMCH LSMEAN	STD ERR LSMEAN	PROB > T H0: LSMEAN=0	PROB > T I/J	H0: LSMEAN(1)=LSMEAN(J)	1	2	3	4	5	6	7
1	38.430067	45.290948	0.4031	1	0.8803	0.8988	0.6803	0.0401	0.8664	0.7876		
2	28.230806	49.764399	0.5749	2	0.8803	0.9822	0.7830	0.0367	0.9865	0.6855		
3	29.805175	50.056862	0.5562	3	0.8988	0.9822	0.7701	0.0398	0.9688	0.7040		
4	5.237978	65.185822	0.9365	4	0.6803	0.7830	0.7701	0.0386	0.7940	0.5250		
5	171.736054	42.134015	0.0003	5	0.0401	0.0367	0.0398	0.0386	0.0353	0.0703		
6	27.036806	49.764399	0.5911	6	0.8664	0.9855	0.7940	0.0353		0.6727		
7	55.919891	45.433546	0.2283	7	0.7876	0.6855	0.7040	0.5250	0.0703	0.6727		

TREAT	DMBZ LSMEAN	STD ERR LSMEAN	PROB > T H0: LSMEAN=0	PROB > T I/J	H0: LSMEAN(1)=LSMEAN(J)	1	2	3	4	5	6	7
1	172.363150	52.587153	0.0027	1	0.2709	0.8803	0.8895	0.0123	0.6855	0.2941		
2	84.883207	57.781259	0.1526	2	0.2709	0.2322	0.4442	0.0010	0.1531	0.0419		
3	184.230270	58.120838	0.0036	3	0.8803	0.2322	0.7990	0.0254	0.8075	0.3971		
4	159.383525	75.687017	0.0440	4	0.8895	0.4442	0.7990	0.0288	0.6439	0.3189		
5	364.695519	48.921649	0.0001	5	0.0123	0.0010	0.0254	0.0288	0.0437	0.1267		
6	204.245207	57.781259	0.0014	6	0.6855	0.1531	0.8075	0.6439		0.5469		
7	252.146412	52.752722	0.0001	7	0.2941	0.0419	0.3971	0.3189	0.1267	0.5469		

TREAT	NON LSMEAN	STD ERR LSMEAN	PROB > T H0: LSMEAN=0	PROB > T I/J	H0: LSMEAN(1)=LSMEAN(J)	1	2	3	4	5	6	7
1	357.657585	191.249110	0.0716	1	0.5728	0.6265	0.4290	0.2386	0.8814	0.7033		
2	195.982184	210.139052	0.3587	2	0.5728	0.9414	0.7585	0.0955	0.6904	0.3594		
3	217.940814	211.374032	0.3110	3	0.6265	0.9414	0.7135	0.1131	0.7454	0.4024		
4	87.574613	275.258763	0.7526	4	0.4290	0.7585	0.7135	0.0817	0.5201	0.2694		
5	672.865182	177.918396	0.0007	5	0.2386	0.0955	0.1131	0.0817	0.2062	0.4247		
6	315.004184	210.139052	0.1447	6	0.8814	0.6904	0.7454	0.5201		0.6106		
7	462.123078	191.851253	0.0226	7	0.7033	0.3594	0.4024	0.2694	0.4247	0.6106		

TREAT	IND LSMEAN	STD ERR LSMEAN	PROB > T H0: LSMEAN=0	PROB > T I/J	H0: LSMEAN(1)=LSMEAN(J)	1	2	3	4	5	6	7
1	179.490812	65.349388	0.0102	1	0.4556	0.5735	0.1156	0.3170	0.5229	0.6406		
2	106.247639	71.804039	0.1497	2	0.4556	0.8607	0.3500	0.0928	0.9171	0.2405		
3	124.160111	72.226028	0.0963	3	0.5730	0.8607	0.2835	0.1345	0.9430	0.3212		
4	-7.133612	94.055296	0.9401	4	0.1156	0.3500	0.2835	0.0181	0.3074	0.0519		
5	270.621941	60.794313	0.0001	5	0.3170	0.0928	0.1345	0.0181	0.1148	0.5985		
6	116.857639	71.804039	0.1145	6	0.5229	0.9171	0.9430	0.3074	0.1148			
7	223.264238	65.555139	0.0020	7	0.6406	0.2405	0.3212	0.0519	0.5985	0.2848		

GENERAL LINEAR MODELS PROCEDURE

LEAST SQUARES MEANS

TREAT	MNAP LSMEAN	STD ERR LSMEAN	PROB > T H0: LSMEAN=0	PROB > T I/J	H0: LSMEAN(I)=LSMEAN(J)	1	2	3	4	5	6	7
1	80.774491	17.802428	0.0001	1	0.2087	0.9852	0.4503	0.0210	0.3550	0.4470		
2	46.851254	19.560799	0.0233	2	0.2087	0.2349	0.7621	0.0011	0.7429	0.0541		
3	80.281122	19.675757	0.0003	3	0.9852	0.2349	0.4786	0.0279	0.3850	0.4611		
4	56.786028	25.622469	0.0347	4	0.4503	0.7621	0.4786	0.0098	0.9802	0.1709		
5	140.285921	16.561538	0.0001	5	0.0210	0.0011	0.0279	0.0098	0.0028	0.1093		
6	55.971254	19.560799	0.0077	6	0.3550	0.7429	0.3850	0.9802	0.0028	0.1067		
7	100.262562	17.858479	0.0001	7	0.4470	0.0541	0.4611	0.1709	0.1093	0.1067		

TREAT	TMN LSMEAN	STD ERR LSMEAN	PROB > T H0: LSMEAN=0	PROB > T I/J	H0: LSMEAN(I)=LSMEAN(J)	1	2	3	4	5	6	7
1	85.525155	48.645926	0.0893	1	0.6829	0.5586	0.2357	0.6001	0.4437	0.6380		
2	55.776200	53.450752	0.3053	2	0.6829	0.8642	0.4119	0.3629	0.7299	0.3963		
3	42.779942	53.764880	0.4327	3	0.5586	0.8642	0.5008	0.2794	0.8617	0.3096		
4	-18.192698	70.014535	0.7968	4	0.2357	0.4119	0.5008	0.1029	0.5952	0.1174		
5	120.846157	45.255140	0.0123	5	0.6001	0.3629	0.2794	0.1029	0.2048	0.9704		
6	29.540200	53.450752	0.5847	6	0.4437	0.7299	0.8617	0.5952	0.2048	0.2316		
7	118.367059	48.799087	0.0217	7	0.6380	0.3963	0.3096	0.1174	0.9704	0.2316		

NOTE: TO ENSURE OVERALL PROTECTION LEVEL, ONLY PROBABILITIES ASSOCIATED WITH PRE-PLANNED COMPARISONS SHOULD BE USED.

FORMAL STATISTICAL SUMMARY FOR TABLE 46

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: AL
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=20 MSE=.0107923
CRITICAL VALUE OF STUDENTIZED RANGE=4.445

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

TREAT COMPARISON	SIMULTANEOUS CONFIDENCE LIMIT		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS UPPER CONFIDENCE LIMIT		
	LOWER LIMIT	UPPER LIMIT		LOWER LIMIT	UPPER LIMIT	
3 - 5	-0.05475	0.16429	0.16429	0.38333	0.38333	
3 - 2	-0.02431	0.18220	0.18220	0.38871	0.38871	
3 - 4	-0.04138	0.19708	0.19708	0.43555	0.43555	
3 - 6	-0.00247	0.20404	0.20404	0.41055	0.41055	
3 - 1	0.00559	0.21210	0.21210	0.41861	0.41861	***
5 - 3	-0.38333	-0.16429	-0.16429	0.05475	0.05475	
5 - 2	-0.20113	0.01791	0.01791	0.23695	0.23695	
5 - 4	-0.21660	0.03279	0.03279	0.28218	0.28218	
5 - 6	-0.17929	0.03975	0.03975	0.25879	0.25879	
5 - 1	-0.17123	0.04781	0.04781	0.26685	0.26685	
2 - 3	-0.38871	-0.18220	-0.18220	0.02431	0.02431	
2 - 5	-0.23695	-0.01791	-0.01791	0.20113	0.20113	
2 - 4	-0.22358	0.01488	0.01488	0.25335	0.25335	
2 - 6	-0.18467	0.02184	0.02184	0.22835	0.22835	
2 - 1	-0.17661	0.02990	0.02990	0.23641	0.23641	
4 - 3	-0.43555	-0.19708	-0.19708	0.04138	0.04138	
4 - 5	-0.28218	-0.03279	-0.03279	0.21660	0.21660	
4 - 2	-0.25335	-0.01488	-0.01488	0.22358	0.22358	
4 - 6	-0.23151	0.00696	0.00696	0.24542	0.24542	
4 - 1	-0.22345	0.01502	0.01502	0.25348	0.25348	
6 - 3	-0.41055	-0.20404	-0.20404	0.00247	0.00247	
6 - 5	-0.25879	-0.03975	-0.03975	0.17929	0.17929	
6 - 2	-0.22835	-0.02184	-0.02184	0.18467	0.18467	
6 - 4	-0.24542	-0.00696	-0.00696	0.23151	0.23151	
6 - 1	-0.19845	0.00806	0.00806	0.21457	0.21457	
1 - 3	-0.41861	-0.21210	-0.21210	-0.00559	-0.00559	***
1 - 5	-0.26685	-0.04781	-0.04781	0.17123	0.17123	
1 - 2	-0.23641	-0.02990	-0.02990	0.17661	0.17661	
1 - 4	-0.25348	-0.01502	-0.01502	0.22345	0.22345	
1 - 6	-0.21457	-0.00806	-0.00806	0.19845	0.19845	

GENERAL LINEAR MODELS PROCEDURE

TUKEY'S STUDENTIZED RANGE (HSD) TEST FOR VARIABLE: T1
NOTE: THIS TEST CONTROLS THE TYPE I EXPERIMENTWISE ERROR RATE

ALPHA=0.05 CONFIDENCE=0.95 DF=20 MSE=7.1E-05
CRITICAL VALUE OF STUDENTIZED RANGE=4.445

COMPARISONS SIGNIFICANT AT THE 0.05 LEVEL ARE INDICATED BY '***'

TREAT COMPARISON	SIMULTANEOUS		DIFFERENCE BETWEEN MEANS	SIMULTANEOUS		
	LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT		LOWER CONFIDENCE LIMIT	UPPER CONFIDENCE LIMIT	
3 - 5	-0.003526	0.014231	0.031988	-0.003526	0.031988	
3 - 4	-0.004049	0.015283	0.034615	-0.004049	0.034615	
3 - 6	-0.001148	0.015594	0.032336	-0.001148	0.032336	***
3 - 2	0.000098	0.016840	0.033582	0.000098	0.033582	***
3 - 1	0.000480	0.017222	0.033964	0.000480	0.033964	***
5 - 3	-0.031988	-0.014231	0.003526	-0.031988	0.003526	
5 - 4	-0.019166	0.001052	0.021269	-0.019166	0.021269	
5 - 6	-0.016394	0.001363	0.019120	-0.016394	0.019120	
5 - 2	-0.015148	0.002609	0.020366	-0.015148	0.020366	
5 - 1	-0.014766	0.002991	0.020748	-0.014766	0.020748	
4 - 3	-0.034615	-0.015283	0.004049	-0.034615	0.004049	
4 - 5	-0.021269	-0.001052	0.019166	-0.021269	0.019166	
4 - 6	-0.019021	0.000311	0.019643	-0.019021	0.019643	
4 - 2	-0.017775	0.001557	0.020889	-0.017775	0.020889	
4 - 1	-0.017393	0.001939	0.021271	-0.017393	0.021271	
6 - 3	-0.032336	-0.015594	0.001148	-0.032336	0.001148	
6 - 5	-0.019120	-0.001363	0.016394	-0.019120	0.016394	
6 - 4	-0.019643	-0.000311	0.019021	-0.019643	0.019021	
6 - 2	-0.015496	0.001246	0.017988	-0.015496	0.017988	
6 - 1	-0.015114	0.001628	0.018370	-0.015114	0.018370	
2 - 3	-0.033582	-0.016840	-0.000098	-0.033582	-0.000098	***
2 - 5	-0.020366	-0.002609	0.015148	-0.020366	0.015148	
2 - 4	-0.020889	-0.001557	0.017775	-0.020889	0.017775	
2 - 6	-0.017988	-0.001246	0.015496	-0.017988	0.015496	
2 - 1	-0.016360	0.000382	0.017124	-0.016360	0.017124	
1 - 3	-0.033964	-0.017222	-0.000480	-0.033964	-0.000480	***
1 - 5	-0.020748	-0.002991	0.014766	-0.020748	0.014766	
1 - 4	-0.021271	-0.001939	0.017393	-0.021271	0.017393	
1 - 6	-0.018370	-0.001628	0.015114	-0.018370	0.015114	
1 - 2	-0.017124	-0.000382	0.016360	-0.017124	0.016360	

METALS AL -- BBFV WITH SIGNIFICANT TREATMENT DIFFERENCE
GENERAL LINEAR MODELS PROCEDURE

13:32 THURSDAY, JANUARY 12, 1989⁴

LEAST SQUARES MEANS

TREAT	AL LSMEAN	STD ERR LSMEAN	PROB > T HO: LSMEAN=0	PROB > T I/J	HO: LSMEAN(I)=LSMEAN(J)	1	2	3	4	5	6
1	0.06718198	0.04646056	0.1637	1	0.6540	0.0042	0.9507	0.4239	0.9036		
2	0.09708198	0.04646056	0.0496	2	0.6540	0.0117	0.6544	0.7022	0.7430		
3	0.27928198	0.04646056	0.0001	3	0.0042	0.0117	0.0101	0.0379	0.0056		
4	0.06240876	0.06047679	0.3144	4	0.9507	0.6544	0.0101	0.4505	0.8681		
5	0.12415104	0.05210371	0.0272	5	0.4239	0.7022	0.0379	0.4505	0.4915		
6	0.07524198	0.04646056	0.1210	6	0.9036	0.7430	0.0056	0.8681	0.4915		

NOTE: TO ENSURE OVERALL PROTECTION LEVEL, ONLY PROBABILITIES ASSOCIATED WITH PRE-PLANNED COMPARISONS SHOULD BE USED.

METALS MG -- BBFV WITH SIGNIFICANT TREATMENT DIFFERENCE

13:32 THURSDAY, JANUARY 12, 1989 12

GENERAL LINEAR MODELS PROCEDURE

LEAST SQUARES MEANS

TREAT	MG LSMEAN	STD ERR LSMEAN	PROB > T H0: LSMEAN=0	PROB > T H0: LSMEAN=0	1/J	1	2	3	4	5	6
1	0.01505820	0.01521184	0.3340	0.3340	1	0.8236	0.0052	0.7863	0.5626	0.7386	
2	0.01991820	0.01521184	0.2052	0.2052	2	0.8236	0.0087	0.9369	0.7108	0.9116	
3	0.08251420	0.01521184	0.0001	0.0001	3	0.0052	0.0087	0.0249	0.0283	0.0111	
4	0.02192101	0.01980095	0.2814	0.2814	4	0.7863	0.9369	0.0249	0.8045	0.9869	
5	0.02851072	0.01705948	0.1102	0.1102	5	0.5626	0.7108	0.0283	0.8045	0.7898	
6	0.02233620	0.01521184	0.1576	0.1576	6	0.7386	0.9116	0.0111	0.9869	0.7898	

NOTE: TO ENSURE OVERALL PROTECTION LEVEL, ONLY PROBABILITIES ASSOCIATED WITH PRE-PLANNED COMPARISONS SHOULD BE USED.

METALS T1 -- BBFV WITH SIGNIFICANT TREATMENT DIFFERENCE
GENERAL LINEAR MODELS PROCEDURE

13:32 THURSDAY, JANUARY 12, 1989

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LEAST SQUARES MEANS

TREAT	T1 LSMEAN	STD ERR LSMEAN	PROB > T H0:LSMEAN=0	PROB > T H0:LSMEAN=0	1/J	PROB > T H0:LSMEAN=0	1	2	3	4	5	6
1	0.00581261	0.00376651	0.1384	0.1384	1	0.9435	0.9435	0.0042	0.9584	0.5164	0.5164	0.7630
2	0.00619461	0.00376651	0.1157	0.1157	2	0.9435	0.9435	0.0049	0.9930	0.5598	0.5598	0.8174
3	0.02303461	0.00376651	0.0001	0.0001	3	0.0042	0.0042	0.0049	0.0129	0.0272	0.0272	0.0083
4	0.00613932	0.00490279	0.2249	0.2249	4	0.9584	0.9584	0.0129	0.0129	0.6057	0.6057	0.8355
5	0.00954996	0.00422399	0.0351	0.0351	5	0.5164	0.5598	0.0272	0.6057	0.6057	0.6057	0.7132
6	0.00744061	0.00376651	0.0622	0.0622	6	0.7630	0.8174	0.0083	0.8355	0.7132	0.7132	.

NOTE: TO ENSURE OVERALL PROTECTION LEVEL, ONLY PROBABILITIES ASSOCIATED WITH PRE-PLANNED COMPARISONS SHOULD BE USED.

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FORMAL STATISTICAL SUMMARY FOR TABLE 47

PAIRED T TESTS FOR CO BY VEHICLE TYPE

VARIABLE	MEAN	N	STANDARD DEVIATION	STD ERROR OF MEAN	RANGE	T	PR> T
----- VTYPFORT=BBFV -----							
PDIFFAVG	-0.07142857	28	3.60995097	0.68221661	18.00000000	-0.10	0.9174
PDIFFPEK	16.42857143	28	279.63222256	52.84552282	1310.00000000	0.31	0.7583
----- VTYPFORT=CM10 -----							
PDIFFAVG	-2.75000000	4	6.18465844	3.09232922	13.00000000	-0.89	0.4394
PDIFFPEK	-22.50000000	4	122.30426539	61.15213270	290.00000000	-0.37	0.7373
----- VTYPFORT=CTAN -----							
PDIFFAVG	-8.22727273	22	30.00624033	6.39735193	150.00000000	-1.29	0.2124
PDIFFPEK	216.36363636	22	868.42794725	185.14946046	3940.00000000	1.17	0.2557
----- VTYPFORT=KM1 -----							
PDIFFAVG	13.26666667	15	22.13744942	5.71586486	90.00000000	2.32	0.0359
PDIFFPEK	218.00000000	15	294.28363383	75.98370753	990.00000000	2.87	0.0124
----- VTYPFORT=KTAN -----							
PDIFFAVG	14.00000000	10	21.70509413	6.86375343	80.00000000	2.04	0.0718
PDIFFPEK	585.00000000	10	823.64029366	260.45793006	2550.00000000	2.25	0.0513
----- VTYPFORT=SM10 -----							
PDIFFAVG	-0.48837209	43	4.25593196	0.64902354	26.00000000	-0.75	0.4560
PDIFFPEK	-18.37209302	43	476.11988403	72.60760162	3670.00000000	-0.25	0.8015

PAIRED T TESTS FOR CO BY VEHICLE TYPE AND TREAT CM10+SM10 KTAN+C

VARIABLE	MEAN	N	VARIANCE	STD ERROR OF MEAN	RANGE	T	PR> T
----- VTYPEFORT=88FV TREAT=4 -----							
PDIFFAVG	-1.70000000	10	5.34444444	0.73105707	8.00000000	-2.33	0.0451
PDIFFPEK	-45.00000000	10	84072.2222222	91.69090589	980.00000000	-0.49	0.6353
----- VTYPEFORT=88FV TREAT=5 -----							
PDIFFAVG	2.25000000	8	21.35711429	1.63390418	11.00000000	1.38	0.2109
PDIFFPEK	-26.25000000	8	11855.35711429	38.49570941	370.00000000	-0.68	0.5172
----- VTYPEFORT=88FV TREAT=6 -----							
PDIFFAVG	-0.30000000	10	9.34444444	0.96666667	11.00000000	-0.31	0.7634
PDIFFPEK	112.00000000	10	125328.888889	111.95038584	1310.00000000	1.00	0.3432
----- VTYPEFORT=CTAN TREAT=4 -----							
PDIFFAVG	-16.18181818	11	1461.76364	11.52768855	150.00000000	-1.40	0.1907
PDIFFPEK	185.45454545	11	1136047.27273	321.36742958	4140.00000000	0.58	0.5766
----- VTYPEFORT=CTAN TREAT=5 -----							
PDIFFAVG	1.72727273	11	322.218182	5.41226034	67.00000000	0.32	0.7562
PDIFFPEK	427.27272727	11	656361.818182	244.27291335	2200.00000000	1.75	0.1108
----- VTYPEFORT=CTAN TREAT=6 -----							
PDIFFAVG	11.80000000	10	494.622222	7.03293838	83.00000000	1.68	0.1277
PDIFFPEK	387.00000000	10	509645.555556	225.75330685	2210.00000000	1.71	0.1206
----- VTYPEFORT=KM1 TREAT=4 -----							
PDIFFAVG	-3.33333333	3	233.3333333	8.81917104	30.00000000	-0.38	0.7418
PDIFFPEK	-90.00000000	3	46300.000000	124.23096769	430.00000000	-0.72	0.5441
----- VTYPEFORT=KM1 TREAT=5 -----							
PDIFFAVG	8.00000000	5	170.0000000	5.83095189	30.00000000	1.37	0.2420
PDIFFPEK	142.00000000	5	14470.000000	53.79591063	250.00000000	2.64	0.0576
----- VTYPEFORT=KM1 TREAT=6 -----							
PDIFFAVG	24.14285714	7	653.4761905	9.66197400	70.00000000	2.50	0.0466
PDIFFPEK	404.28571429	7	84261.9047619	109.71515377	680.00000000	3.68	0.0103
----- VTYPEFORT=SM10 TREAT=4 -----							
PDIFFAVG	-2.44444444	18	17.673203	0.99088071	14.00000000	-2.47	0.0246
PDIFFPEK	-121.11111111	18	189081.045752	102.49147546	1990.00000000	-1.18	0.2536
----- VTYPEFORT=SM10 TREAT=5 -----							
PDIFFAVG	-1.00000000	13	12.333333	0.97402153	14.00000000	-1.03	0.3248
PDIFFPEK	-173.07692308	13	131123.076923	100.43102376	1190.00000000	-1.72	0.1105

PAIRED T TESTS FOR CO BY VEHICLE TYPE AND TREAT CM10+SM10 KIAN+C

VARIABLE	MEAN	N	VARIANCE	STD ERROR OF MEAN	RANGE	T	PR> T
----- VTYPFORT=SM10 TREAT=6 -----							
PDIFFAVG	1.56250000	16	20.529167	1.13272809	19.00000000	1.38	0.1880
PDIFFPEK	221.87500000	16	223562.916667	118.20610091	2000.00000000	1.88	0.0801