TABLE 1
ANALYTICAL RESULTS OF
STS-100 CONTAINER AIR SAMPLES

CHEMICAL CONTAMINANT	CONCENTRATION (mg/m3)		
	AA03045 S/N1005 PREFLIGHT 4/19/01 @ 09:15EDT	AA03054 S/N1050 MIDDECK 11\12:55 (4/30/01 @ 06:35GMT)	AA03061 S/N1081 TRIP CONTROL (3/1/01-5/10/01)
TARGET COMPOUNDS (TO-14/POLAR)			
DICHLORODIFLUOROMETHANE	<0.050	TRACE	<0.050
CHLOROMETHANE	<0.050	TRACE	<0.050
1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	<0.050	<0.050	<0.050
ACETALDEHYDE	TRACE	0.115	TRACE
METHANOL	TRACE	0.051	TRACE
VINYL CHLORIDE	<0.050	<0.050	<0.050
BROMOMETHANE	<0.050	<0.050	<0.050
ETHANOL	TRACE	1.403	TRACE
CHLOROETHANE	<0.050	<0.050	<0.050
ACETONITRILE	<0.050	<0.050	<0.050
PROPENAL	<0.020	<0.020	<0.020
ACETONE	TRACE	0.612	TRACE
PROPANAL	TRACE	TRACE	TRACE
ISOPROPANOL	TRACE	1.360	TRACE
TRICHLOROFLUOROMETHANE	<0.050	<0.050	<0.050
FURAN	<0.050	<0.050	<0.050
ACRYLONITRILE	<0.050	<0.050	<0.050
PENTANE	<0.050	<0.050	<0.050
2-METHYL-2-PROPANOL	<0.050	TRACE	<0.050
METHYL ACETATE	<0.050	<0.050	<0.050
1,1-DICHLOROETHENE	<0.050	<0.050	<0.050
DICHLOROMETHANE	<0.050	0.323	<0.050
3-CHLOROPROPENE	<0.050	<0.050	<0.050
1,1,2-TRICHLORO-1,1,2-TRIFLUOROETHANE	<0.050	<0.050	<0.050
N-PROPANOL	<0.050	TRACE	<0.050
1,1-DICHLOROETHANE	<0.050	<0.050	<0.050
BUTANAL	TRACE	TRACE	TRACE
2-BUTANONE	TRACE	TRACE	TRACE
1,2-DICHLOROETHENE	<0.050	<0.050	<0.050
2-METHYLFURAN	<0.050	<0.050	<0.050
ETHYL ACETATE	<0.050	<0.050	<0.050
HEXANE	<0.050	<0.050	<0.050
CHLOROFORM	<0.050	<0.050	<0.050
2-BUTENAL	<0.050	<0.050	<0.050
1,2-DICHLOROETHANE	<0.050	<0.050	<0.050
1,1,1-TRICHLOROETHANE	<0.050	<0.050	<0.050
N-BUTANOL	TRACE	TRACE	<0.050
BENZENE	<0.050	<0.050	<0.050
CARBON TETRACHLORIDE	<0.050	<0.050	<0.050
2-PENTANONE	<0.050	<0.050	<0.050
PENTANAL	TRACE	<0.050	TRACE
1,2-DICHLOROPROPANE	<0.050	<0.050	<0.050
1,4-DIOXANE	<0.050	<0.050	<0.050
TRICHLOROETHENE	<0.050	<0.050	<0.050
2,5-DIMETHYLFURAN	<0.050	<0.050	<0.050
4-METHYL-2-PENTANONE	<0.050	<0.050	<0.050
CIS-1,3-DICHLOROPROPENE	<0.050	<0.050	<0.050
2-PENTENAL	<0.050	<0.050	<0.050
TRANS-1,3-DICHLOROPROPENE	<0.050	<0.050	<0.050

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TARGET COMPOUNDS (TO-14/POLAR)			
1,1,2-TRICHLOROETHANE	<0.050	<0.050	<0.050
TOLUENE	<0.050	TRACE	<0.050
HEXANAL	<0.050	<0.050	TRACE
MESITYL OXIDE	<0.050	<0.050	<0.050
1,2-DIBROMOETHANE	<0.050	<0.050	<0.050
BUTYL ACETATE	<0.050	<0.050	<0.050
TETRACHLOROETHENE	<0.050	<0.050	<0.050
CHLOROBENZENE	<0.050	<0.050	<0.050
ETHYL BENZENE	<0.050	<0.050	<0.050
M- + P-XYLENES	<0.050	TRACE	<0.050
2-HEPTANONE	<0.050	<0.050	<0.050
CYCLOHEXANONE	<0.050	<0.050	<0.050
HEPTANAL	<0.050	<0.050	<0.050
STYRENE	<0.050	<0.050	<0.050
1,1,2,2-TETRACHLOROETHANE	<0.050	<0.050	<0.050
O-XYLENE	<0.050	<0.050	<0.050
1,3,5-TRIMETHYLBENZENE	<0.050	<0.050	<0.050
1,2,4-TRIMETHYLBENZENE	<0.050	<0.050	<0.050
1,3-DICHLOROBENZENE	<0.050	<0.050	<0.050
1,4-DICHLOROBENZENE	<0.050	<0.050	<0.050
1,2-DICHLOROBENZENE	<0.050	<0.050	<0.050
1,2,4-TRICHLOROBENZENE	<0.050	<0.050	<0.050
HEXACHLORO-1,3-BUTADIENE	<0.050	<0.050	<0.050
TARGET COMPOUNDS (TOXIC)			
1,3-BUTADIENE	<0.050	<0.050	ND
ETHYLENE OXIDE	<0.050	<0.050	ND
CARBON DISULFIDE	<0.050	TRACE	ND
2-METHYL-2-PROPENAL	<0.050	<0.050	ND
3-BUTEN-2-ONE	<0.050	<0.050	ND
DIMETHYLDISULFIDE	<0.050	<0.050	ND
2-ETHOXYETHANOL	<0.050	<0.050	ND
OCTAMETHYLCYCLOTETRASILOXANE ***	0.075	TRACE	0.063
NON-TARGET COMPOUNDS			
OCTAFLUOROPROPANE	BL	16.597	BL
BROMOTRIFLUOROMETHANE	BL	0.751	BL
DECAMETHYLCYCLOPENTASILOXANE ***	BL	1.087	0.028
TARGET COMPOUNDS (GC)			
ETHYLENE	ND	ND	ND
CARBON MONOXIDE	ND	3.700	ND
METHANE	1.200	28.000	ND
HYDROGEN	ND	7.700	ND
CARBON DIOXIDE	680.000	6040.000	55.000
TOTAL CONCENTRATION (NON-METHANE HYDROCARBONS)	0.330	22.600	0.034

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TARGET COMPOUNDS (TO-14/POLAR)			

< : Value is less than the laboratory report detection limit.

TRACE: Amount detected is sufficient for compound identification only. Calculations are based on one-half of the laboratory report detection limit (1.1 mg/m3 for CO; 0.65 mg/m3 for CH4; 0.41 mg/m3 for H2; 0.05 mg/m3 for VOCs; and 0.02 mg/m3 for propenal.)

BL: Area below the search routine limit (<20% of the fluorobenzene peak area).

*** Siloxane compounds are common contaminates and measurements are not under statistical control.