TABLE 1
ANALYTICAL RESULTS OF
STS-114 CONTAINER AIR SAMPLES

CHEMICAL CONTAMINANT	CONCENTRATION (mg/m3)			
	AA03853 SN 1055 MIDDECK MET 12\13:14 08/08/05	AA03852 SN 1033 MIDDECK MET 13\13:14 08/09/05	AA03848 SN 1079 MIDDECK PREFLIGHT 7/13/2005; 11:04 EDT	AA03849 SN 1081 MIDDECK PREFLIGHT 7/26/2005; 05:00 EDT
TARGET COMPOUNDS (TO-14/POLAR)* **				
FREON12	TRACE	TRACE	<0.05	<0.05
CHLOROMETHANE	TRACE	TRACE	TRACE	TRACE
FREON114	<0.05	<0.05	<0.05	<0.05
METHANOL	0.78	0.094	TRACE	TRACE
ACETALDEHYDE	0.13	0.11	TRACE	TRACE
VINYLCHLORIDE	<0.05	<0.05	<0.05	<0.05
BROMOMETHANE	<0.05	<0.05	<0.05	<0.05
ETHANOL	0.70	0.30	TRACE	0.059
CHLOROETHANE	<0.05	<0.05	<0.05	<0.05
ACETONITRILE	TRACE	TRACE	<0.05	<0.05
PROPENAL	<0.02	<0.02	<0.02	<0.02
ACETONE	0.10	0.13	0.078	TRACE
PROPANAL	TRACE	TRACE	TRACE	TRACE
ISOPROPANOL	TRACE	TRACE	0.12	0.15
FREON11	<0.05	<0.05	<0.05	<0.05
FURAN	<0.05	<0.05	<0.05	<0.05
ACRYLONITRILE	<0.05	<0.05	<0.05	<0.05
PENTANE	<0.05	<0.05	<0.05	<0.05
2-METHYL-2-PROPANOL	<0.05	<0.05	<0.05	<0.05
METHYLACETATE	<0.05	<0.05	<0.05	<0.05
1,1-DICHLOROETHENE	<0.05	<0.05	<0.05	<0.05
DICHLOROMETHANE	TRACE	TRACE	<0.05	<0.05
3-CHLOROPROPENE	<0.05	<0.05	<0.05	<0.05
FREON113	<0.05	<0.05	<0.05	<0.05
N-PROPANOL	<0.05	<0.05	<0.05	<0.05
1,1-DICHLOROETHANE	<0.05	<0.05	<0.05	<0.05
BUTANAL	<0.05	<0.05	TRACE	TRACE
2-BUTANONE	TRACE	TRACE	TRACE	TRACE
CIS-1,2-DICHLOROETHENE	<0.05	<0.05	<0.05	<0.05
2-METHYLFURAN	<0.05	<0.05	<0.05	<0.05
ETHYLACETATE	<0.05	<0.05	<0.05	<0.05
HEXANE	<0.05	<0.05	<0.05	<0.05
CHLOROFORM	<0.05	<0.05	<0.05	<0.05
2-BUTENAL	<0.05	<0.05	<0.05	<0.05
1,2-DICHLOROETHANE	<0.05	<0.05	<0.05	<0.05
1,1,1-TRICHLOROETHANE	<0.05	<0.05	<0.05	<0.05
N-BUTANOL	TRACE	<0.05	<0.05	<0.05
BENZENE	<0.05	<0.05	<0.05	<0.05
CARBONTETRACHLORIDE	<0.05	<0.05	<0.05	<0.05
2-PENTANONE	<0.05	<0.05	<0.05	<0.05
2-METHYLHEXANE	<0.05	<0.05	<0.05	<0.05
2,3-DIMETHYLPENTANE	<0.05	<0.05	<0.05	<0.05
PENTANAL	<0.05	<0.05	TRACE	TRACE
3-METHYLHEXANE	<0.05	<0.05	<0.05	<0.05
1,2-DICHLOROPROPANE	<0.05	<0.05	<0.05	<0.05
1,4-DIOXANE	<0.05	<0.05	<0.05	<0.05
TRICHLOROETHENE	<0.05	<0.05	<0.05	<0.05
2,5-DIMETHYLFURAN	<0.05	<0.05	<0.05	<0.05
N-HEPTANE	<0.05	<0.05	<0.05	<0.05
4-METHYL2-PENTANONE	<0.05	<0.05	<0.05	<0.05
CIS-1,3-DICHLOROPROPENE	<0.05	<0.05	<0.05	<0.05
2-PENTENAL	<0.05	<0.05	<0.05	<0.05
TRANS-1,3-DICHLOROPROPENE	<0.05	<0.05	<0.05	<0.05

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1,1,2-TRICHLOROETHANE	<0.05	<0.05	<0.05	<0.05
TOLUENE	<0.05	<0.05	<0.05	<0.05
HEXANAL	<0.05	<0.05	TRACE	TRACE
MESITYLOXIDE	<0.05	<0.05	<0.05	<0.05
1,2-DIBROMOETHANE	<0.05	<0.05	<0.05	<0.05
BUTYLACETATE	<0.05	<0.05	<0.05	<0.05
TETRACHLOROETHENE	<0.05	<0.05	<0.05	<0.05
CHLOROBENZENE	<0.05	<0.05	<0.05	<0.05
ETHYLBENZENE	<0.05	<0.05	<0.05	<0.05
M/P-XYLENES	<0.05	<0.05	<0.05	<0.05
2-HEPTANONE	<0.05	<0.05	<0.05	<0.05
CYCLOHEXANONE	<0.05	<0.05	<0.05	<0.05
HEPTANAL	<0.05	<0.05	<0.05	<0.05
STYRENE	<0.05	<0.05	<0.05	<0.05
1,1,2,2-TETRACHLOROETHANE	<0.05	<0.05	<0.05	<0.05
O-XYLENE	<0.05	<0.05	<0.05	<0.05
1,3,5-TRIMETHYLBENZENE	<0.05	<0.05	<0.05	<0.05
1,2,4-TRIMETHYLBENZENE	<0.05	<0.05	<0.05	<0.05
1,3-DICHLOROBENZENE	<0.05	<0.05	<0.05	<0.05
1,4-DICHLOROBENZENE	<0.05	<0.05	<0.05	<0.05
1,2-DICHLOROBENZENE	<0.05	<0.05	<0.05	<0.05
1,2,4-TRICHLOROBENZENE	<0.05	<0.05	<0.05	<0.05
HEXACHLORO-1,3-BUTADIENE	<0.05	<0.05	<0.05	<0.05
TARGET COMPOUNDS (TOXIC)				
1,3-BUTADIENE	<0.05	<0.05	<0.05	<0.05
ETHYLENE OXIDE	<0.05	<0.05	<0.05	<0.05
CARBON DISULFIDE	<0.05	<0.05	<0.05	<0.05
2-METHYL-2-PROPENAL	<0.05	<0.05	<0.05	<0.05
3-BUTEN-2-ONE	<0.05	<0.05	<0.05	<0.05
2-ETHOXYETHANOL	<0.05	<0.05	<0.05	<0.05
DIMETHYLDISULFIDE	<0.05	<0.05	<0.05	<0.05
OCTAMETHYLCYCLOTETRASILOXANE	TRACE	TRACE	TRACE	0.11
NON-TARGET COMPOUNDS				
OCTAFLUOROPROPANE	0.13	0.079	<0.05	<0.05
BROMOTRIFLUOROMETHANE	0.34	0.45	<0.05	<0.05
HEXAMETHYLCYCLOTRISILOXANE	0.13	0.11	0.076	0.34
DECAMETHYLCYCLOPENTASILOXANE	5.7	1.9	TRACE	TRACE
TOTAL ALCOHOLS PLUS ACETONE	**1.6**	**0.55**	**0.25**	**0.25**
TARGET COMPOUNDS (GC)* **				
CARBON MONOXIDE	<0.57	<0.57	<0.57	<0.57
METHANE	39	49	<1.4	TRACE
HYDROGEN	8.4	11	<0.74	<0.74
CARBON DIOXIDE	5600	6900	3500	1600
TOTAL CONCENTRATION (NON-METHANE HYDROCARBONS)	**8.2**	**3.4**	**0.55**	**0.91**

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< : Value is less than the laboratory report detection limit.
TRACE: Amount detected is sufficient for compound identification only.
***Measurements are calibrated by multi-point initial calibration and verified by mid-point continuing calibration.
+ NOT ANALYZED

CONTAMINANT TRACE COUNT	9	8	11	10
PROPENAL TRACE COUNT	0	0	0	0
	ADD 0.01 TO CORRECTED TOTAL CONCENTRATION IF PROPENAL IS TRACE			
	ADD .025 TO CORRECTED TOTAL CONCENTRATION FOR EACH COMPOUND THAT IS TRACE			
CORRECTED TOTAL CONCENTRATION	8.23	3.38	0.55	0.91

QA check total alcohols	**1.6350**	**0.5532**	**0.2476**	**0.2546**
	ADD 0.025 TO CORRECTED TOTAL ALCOHOL FOR EACH ALCOHOL THAT IS TRACE			
ALCOHOL TRACE COUNT	2	1	2	2