TABLE 1A
ANALYTICAL RESULTS OF
ISS 7A AND STS-104 CONTAINER AIR SAMPLES

CHEMICAL CONTAMINANT	CONCENTRATION (mg/m3)							
	AA03150 S/N 1020 LAB 6/13/01@08:15GMT	AA03151 S/N 1045 FGB 6/13/01@08:16GMT	AA03152 S/N 1008 VICE MOD 6/13/01@08:17GMT	AA03153 S/N 1004 LAB 7/9/01@15:45GMT	AA03154 S/N 1039 FGB 7/9/01@15:47GMT	AA03155 S/N 1042 VICE MOD 7/9/01@15:55GMT	AA03128 S/N 1008 PREFLIGHT 07/11/97	AA03156 S/N 1011 MIDDECK MET 11\14:05 7/23/01@23:10GMT
TARGET COMPOUNDS (TO-14/POLAR)* **								
FREON 12	# TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	<0.05	TRACE
CHLOROMETHANE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	<0.05	TRACE
FREON 114	*<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
METHANOL	0.221	0.254	0.250	0.202	0.225	0.187	TRACE	0.476
ACETALDEHYDE	0.171	0.226	0.220	0.103	0.137	0.120	TRACE	0.159
VINYL CHLORIDE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
BROMOMETHANE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ETHANOL	2.308	2.403	2.350	1.783	1.774	1.368	TRACE	1.858
CHLOROETHANE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ACETONITRILE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
PROPENAL	<0.020	TRACE_	<0.020	<0.020	<0.020	TRACE_	<0.020	<0.020
ACETONE	0.131	0.176	0.155	0.127	0.144	0.121	TRACE	0.213
PROPANAL	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
2-PROPANOL	0.085	0.088	0.090	0.082	0.084	0.066	TRACE	1.207
FREON 11	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
FURAN	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ACRYLONITRILE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	<0.05	<0.05
PENTANE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2-METHYL-2-PROPANOL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	TRACE
METHYL ACETATE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1-DICHLOROETHENE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
DICHLOROMETHANE	0.195	0.234	0.215	0.119	0.117	0.099	<0.05	0.361
3-CHLOROPROPENE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
FREON 113	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
N-PROPANOL	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	<0.05	<0.05
1,1-DICHLOROETHANE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
BUTANAL	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	<0.05	TRACE
2-BUTANONE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	<0.05	TRACE
1,2-DICHLOROETHENE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2-METHYLFURAN	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ETHYL ACETATE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	<0.05	<0.05
HEXANE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
CHLOROFORM	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2-BUTENAL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,2-DICHLOROETHANE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	<0.05	<0.05
1,1,1-TRICHLOROETHANE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
N-BUTANOL	0.109	0.118	0.115	0.124	0.135	0.106	TRACE	TRACE
BENZENE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

CHEMICAL CONTAMINANT	CONCENTRATION (mg/m3)							
	AA03150 S/N 1020 LAB 6/13/01@08:15GMT	AA03151 S/N 1045 FGB 6/13/01@08:16GMT	AA03152 S/N 1008 VICE MOD 6/13/01@08:17GMT	AA03153 S/N 1004 LAB 7/9/01@15:45GMT	AA03154 S/N 1039 FGB 7/9/01@15:47GMT	AA03155 S/N 1042 VICE MOD 7/9/01@15:55GMT	AA03128 S/N 1008 PREFLIGHT 07/11/97	AA03156 S/N 1011 MIDDECK MET 11\14:05 7/23/01@23:10GMT
CARBON TETRACHLORIDE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2-PENTANONE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
PENTANAL	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	<0.05	TRACE
1,2-DICHLOROPROPANE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,4-DIOXANE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TRICHLOROETHENE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2,5-DIMETHYLFURAN	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4-METHYL-2-PENTANONE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
CIS-1,3-DICHLOROPROPENE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2-PENTENAL	<0.05	TRACE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TRANS-1,3-DICHLOROPROPENE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,2-TRICHLOROETHANE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TOLUENE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	<0.05	TRACE
HEXANAL	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
MESITYL OXIDE	<0.05	TRACE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,2-DIBROMOETHANE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
BUTYL ACETATE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	<0.05	<0.05
TETRACHLOROETHENE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
CHLOROBENZENE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ETHYL BENZENE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	<0.05	<0.05
M- + P-XYLENES	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	<0.05	<0.05
2-HEPTANONE	<0.05	TRACE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
CYCLOHEXANONE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	<0.05	<0.05
HEPTANAL	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	<0.05	TRACE
STYRENE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,2,2-TETRACHLOROETHANE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
O-XYLENE	0.088	0.109	0.100	0.057	0.066	0.062	<0.05	<0.05
1,3,5-TRIMETHYLBENZENE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,2,4-TRIMETHYLBENZENE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,3-DICHLOROBENZENE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,4-DICHLOROBENZENE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,2-DICHLOROBENZENE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,2,4-TRICHLOROBENZENE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
HEXACHLORO-1,3-BUTADIENE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TARGET COMPOUNDS (TOXIC)								
1,3-BUTADIENE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ETHYLENE OXIDE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
CARBON DISULFIDE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	<0.05	TRACE
2-METHYL-2-PROPENAL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
3-BUTEN-2-ONE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
DIMETHYLDISULFIDE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2-ETHOXYETHANOL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

CHEMICAL CONTAMINANT	CONCENTRATION (mg/m3)							
	AA03150 S/N 1020 LAB 6/13/01@08:15GMT	AA03151 S/N 1045 FGB 6/13/01@08:16GMT	AA03152 S/N 1008 VICE MOD 6/13/01@08:17GMT	AA03153 S/N 1004 LAB 7/9/01@15:45GMT	AA03154 S/N 1039 FGB 7/9/01@15:47GMT	AA03155 S/N 1042 VICE MOD 7/9/01@15:55GMT	AA03128 S/N 1008 PREFLIGHT 07/11/97	AA03156 S/N 1011 MIDDECK MET 11\14:05 7/23/01@23:10GMT
OCTAMETHYLCYCLOTETRASILOXANE	1.538	0.699	1.496	0.366	1.394	0.308	TRACE	1.169
NON-TARGET COMPOUNDS								
OCTAFLUOROPROPANE***	34.035	40.180	37.868	38.369	54.969	67.138	BL	39.698
CHLOROPENTAFLUOROETHANE	0.006	0.008	0.008	0.008	0.008	0.007	BL	0.006
BROMOTRIFLUOROMETHANE	&BL	BL	BL	BL	BL	BL	BL	0.462
2-METHYLPROPANE	BL	BL	BL	BL	BL	BL	BL	0.026
HEXAMETHYLCYCLOTRISILOXANE	2.140	1.291	2.509	0.852	1.999	0.648	BL	0.996
LIMONENE	0.054	0.064	0.070	0.084	0.096	0.106	BL	0.004
DECAMETHYLCYCLOPENTASILOXANE	0.387	0.311	0.337	0.278	0.467	0.270	BL	1.091
TOTAL ALCOHOLS PLUS ACETONE	2.853	3.065	2.985	2.342	2.386	1.873	0.125	3.779
TARGET COMPOUNDS (GC)* **								
ETHYLENE	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
CARBON MONOXIDE	<1.1	TRACE	<1.1	TRACE	<1.1	<1.1	<1.1	3.400
METHANE	1.800	2.000	1.900	1.700	1.000	1.000	1.600	30.000
HYDROGEN	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	<1.6	TRACE
CARBON DIOXIDE	13000.000	13000.000	13000.000	6300.000	5800.000	5500.000	830.000	3100.000
TOTAL CONCENTRATION (NON-METHANE HYDROCARBONS)	41.900	46.700	46.300	43.000	62.100	71.100	0.250	48.100

* < : Value is less than the laboratory report detection limit, and summed as 0.0.

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).

***Measurements are calibrated by multi-point initial calibration and verified by mid-point continuing calibration.