TABLE 1
ANALYTICAL RESULTS OF
SOYUZ 6 SSAS 1011 SOLID SORBENT AIR SAMPLES

CHEMICAL CONTAMINANT	CONCENTRATION (mg/m3)					
	AA03644 SSAS 1011 Tube 1 Lab 9/23/03@08:15GMT 9/24/03@08:05GMT	**AA03645 SSAS 1011 Tube 2 Service Mod 9/24/03@08:10GMT 9/25/03@09:00GMT**	**AA03646 SSAS 1011 Tube 3 Lab 10/7/03@16:30GMT 10/8/03@17:00GMT**	**AA03647 SSAS 1011 Tube 4 Service Mod 10/8/03@17:00GMT 10/9/03@16:45GMT**	**AA03648 SSAS 1011 Tube 5 Lab 10/22/03@15:50GMT 10/23/03@14:35GMT**	**AA03650 SSAS 1011 Tube 7 Lab 10/24/03@17:22GMT 10/25/03@18:05GMT**
TARGET COMPOUNDS (TO-14/POLAR)* **						
FREON 12	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
CHLOROMETHANE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
FREON 114	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
METHANOL	0.4	0.4	0.5	0.3	0.4	0.3
ACETALDEHYDE	0.4	0.4	0.5	0.4	0.5	0.5
VINYL CHLORIDE	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
BROMOMETHANE	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
ETHANOL	4	4	5	3	6	6
CHLOROETHANE	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
ACETONITRILE	TRACE	TRACE	0.1	TRACE	TRACE	TRACE
PROPENAL	< 0.04	< 0.04	< 0.04	< 0.04	< 0.05	< 0.04
ACETONE	0.2	0.2	0.3	0.2	0.3	0.3
PROPANAL	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
2-PROPANOL	0.2	0.2	0.2	0.1	0.2	0.2
FREON 11	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
FURAN *	< 0.1	**0.003**	**0.003**	**0.001**	< 0.1	**0.003**
ACRYLONITRILE	< 0.1	TRACE	TRACE	TRACE	TRACE	TRACE
PENTANE	< 0.1	TRACE	TRACE	TRACE	TRACE	TRACE
2-METHYL-2-PROPANOL	< 0.1	TRACE	TRACE	TRACE	TRACE	TRACE
METHYL ACETATE	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	TRACE
1,1-DICHLOROETHENE	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
DICHLOROMETHANE	0.1	TRACE	0.1	TRACE	0.10	TRACE
3-CHLOROPROPENE	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
FREON 113	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
N-PROPANOL	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
1,1-DICHLOROETHANE	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
BUTANAL	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
2-BUTANONE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
CIS-1,2-DICHLOROETHENE	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
2-METHYLFURAN	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
ETHYL ACETATE	TRACE	TRACE	TRACE	TRACE	0.11	0.2
HEXANE	< 0.1	TRACE	TRACE	TRACE	TRACE	TRACE
CHLOROFORM	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
2-BUTENAL	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
1,2-DICHLOROETHANE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
1,1,1-TRICHLOROETHANE	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
N-BUTANOL	TRACE	TRACE	TRACE	TRACE	0.10	TRACE
BENZENE *	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**
TETRACHLOROMETHANE	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1

CHEMICAL CONTAMINANT	CONCENTRATION (mg/m3)					
	AA03644 SSAS 1011 Tube 1 Lab 9/23/03@08:15GMT 9/24/03@08:05GMT	AA03645 SSAS 1011 Tube 2 Service Mod 9/24/03@08:10GMT 9/25/03@09:00GMT	AA03646 SSAS 1011 Tube 3 Lab 10/7/03@16:30GMT 10/8/03@17:00GMT	AA03647 SSAS 1011 Tube 4 Service Mod 10/8/03@17:00GMT 10/9/03@16:45GMT	AA03648 SSAS 1011 Tube 5 Lab 10/22/03@15:50GMT 10/23/03@14:35GMT	AA03650 SSAS 1011 Tube 7 Lab 10/24/03@17:22GMT 10/25/03@18:05GMT
2-PENTANONE	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
PENTANAL	TRACE	TRACE	TRACE	TRACE	TRACE	< 0.1
1,2-DICHLOROPROPANE	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
1,4-DIOXANE	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
TRICHLOROETHENE	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
2,5-DIMETHYLFURAN*	< 0.1	**0.002**	< 0.1	< 0.09	< 0.1	**0.002**
4-METHYL-2-PENTANONE	< 0.1	TRACE	TRACE	< 0.09	< 0.1	TRACE
CIS-1,3-DICHLOROPROPENE	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
2-PENTENAL	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
TRANS-1,3-DICHLOROPROPENE	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
1,1,2-TRICHLOROETHANE	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
TOLUENE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
HEXANAL	< 0.1	TRACE	< 0.1	< 0.09	< 0.1	< 0.1
MESITYL OXIDE	< 0.1	TRACE	TRACE	< 0.09	< 0.1	TRACE
1,2-DIBROMOETHANE	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
BUTYL ACETATE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
TETRACHLOROETHENE	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
CHLOROBENZENE	< 0.1	TRACE	TRACE	TRACE	TRACE	TRACE
ETHYLBENZENE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
META+PARA-XYLENES	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
2-HEPTANONE	< 0.1	TRACE	TRACE	TRACE	TRACE	TRACE
CYCLOHEXANONE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
HEPTANAL	< 0.1	TRACE	TRACE	TRACE	< 0.1	TRACE
STYRENE	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
1,1,2,2-TETRACHLOROETHANE	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
ORTHO-XYLENE	0.1	0.1	TRACE	TRACE	0.12	TRACE
1,3,5-TRIMETHYLBENZENE	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
1,2,4-TRIMETHYLBENZENE	< 0.1	TRACE	TRACE	< 0.09	< 0.1	< 0.1
1,3-DICHLOROBENZENE	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
1,4-DICHLOROBENZENE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
1,2-DICHLOROBENZENE	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
1,2,4-TRICHLOROBENZENE	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
HEXACHLORO-1,3-BUTADIENE	< 0.2	< 0.2	< 0.2	< 0.1	< 0.2	< 0.2

TARGET COMPOUNDS (TOXIC)						
1,3-BUTADIENE	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
ETHYLENE OXIDE	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
CARBON DISULFIDE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
2-METHYL-2-PROPENAL	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
3-BUTEN-2-ONE	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
2-ETHOXYETHANOL	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
DIMETHYLDISULFIDE	< 0.1	< 0.1	< 0.1	< 0.09	< 0.1	< 0.1
OCTAMETHYLCYCLOTETRASILOXANE	7	1	1	1	2	2

CHEMICAL CONTAMINANT	CONCENTRATION (mg/m3)					
	AA03644 SSAS 1011 Tube 1 Lab 9/23/03@08:15GMT 9/24/03@08:05GMT	**AA03645 SSAS 1011 Tube 2 Service Mod 9/24/03@08:10GMT 9/25/03@09:00GMT**	**AA03646 SSAS 1011 Tube 3 Lab 10/7/03@16:30GMT 10/8/03@17:00GMT**	**AA03647 SSAS 1011 Tube 4 Service Mod 10/8/03@17:00GMT 10/9/03@16:45GMT**	**AA03648 SSAS 1011 Tube 5 Lab 10/22/03@15:50GMT 10/23/03@14:35GMT**	**AA03650 SSAS 1011 Tube 7 Lab 10/24/03@17:22GMT 10/25/03@18:05GMT**
NON-TARGET COMPOUNDS						
PROPENE	0.01	0.01	0.02	0.01	0.01	0.009
CARBONYL SULFIDE	0.07	0.06	0.09	0.08	0.08	0.09
PROPANE	0.008	0.007	0.01	0.007	0.007	0.007
1,3-DIOXOLANE	0.02	0.02	0.03	0.02	0.03	0.03
HEXAMETHYLCYCLOTRISILOXANE	5	7	1	6	10	7.0
LIMONENE	0.08	0.07	0.04	0.03	0.04	0.04
DECAMETHYLCYCLOPENTASILOXANE	0.5	0.7	0.2	0.5	0.8	0.6
TOTAL ALCOHOLS PLUS ACETONE	5	5	6	4	7	6
TOTAL CONCENTRATION (NON-METHANE HYDROCARBONS)	19	16	11	13	22	19

< : Values are 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 reported detection limit for each SSAS tube.
(See individual sheets for detection limits)
***Measurements of Target Compounds are calibrated by mid-point continuing calibration relative response factors. Linearity verified with initial calibration.
* Detection limit changed to 0.0 for bold values.