TABLE 1A
ANALYTICAL RESULTS OF
ISS UF-1 CONTAINER AIR SAMPLES

CHEMICAL CONTAMINANT	CONCENTRATION (mg/m3)												
	AA03234 S/N 1046 Service Module 9/1/01@ 09:33GMT	AA03223 S/N 1070 FGB 9/13/01@ 18:08 GMT	AA03235 S/N 1080 Service Module 9/13/01@ 18:12GMT	AA03224 S/N 1018 Lab 9/13/01@ 18:15GMT	AA03236 S/N 1071 Lab 10/10/01@ 10:09GMT	AA03237 S/N 1054 FGB 10/10/01@ 10:11GMT	AA03238 S/N 1044 Service Module 10/10/01@ 10:13GMT	AA03239 S/N 1072 FGB 11/15/01@ 09:15GMT	AA03240 S/N 1015 Service Module 11/15/01@ 09:20GMT	AA03241 S/N 1066 MPLM 2 12/09/01@ 01:18GMT	AA03242 S/N 1041 Service Module 12/09/01@ 18:05GMT	AA03243 S/N 1082 Lab 12/09/01@ 18:10GMT	AA03244 S/N 1060 Lab 12/15/01@ 11:51GMT
TARGET COMPOUNDS (TO-14/POLAR)* **													
FREON 12	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	<0.05	TRACE	TRACE	TRACE
CHLOROMETHANE	TRACE	<0.05	<0.05	<0.05	TRACE	TRACE	TRACE	TRACE	<0.05	TRACE	TRACE	TRACE	TRACE
FREON 114	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
METHANOL	0.44	2.05	0.50	0.54	0.50	0.53	0.46	0.41	0.64	0.27	0.58	1.70	0.39
ACETALDEHYDE	0.32	0.17	0.15	0.15	0.12	0.14	0.12	0.17	0.19	0.12	0.16	0.25	0.15
VINYL CHLORIDE	<0.05	<0.05	<0.05	<0.05	<0.05	<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	<0.05	<0.05	<0.05	<0.05	<0.05
ETHANOL	4.3	2.8	2.71	2.79	4.70	5.67	4.57	3.19	9.90	1.02	6.21	5.32	5.32
CHLOROETHANE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ACETONITRILE	TRACE	TRACE	<0.05	TRACE	TRACE	TRACE	<0.05	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
PROPENAL	TRACE_	TRACE_	TRACE_	TRACE_	<0.02	<0.02	<0.02	TRACE_	<0.02	<0.02	TRACE_	TRACE_	<0.02
ACETONE	0.35	0.26	0.26	0.30	0.11	0.16	0.13	0.15	0.22	1.48	0.28	0.38	0.27
PROPANAL	0.05	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	0.13	TRACE	0.05	TRACE
2-PROPANOL	0.23	0.22	0.24	0.25	0.09	0.16	0.24	0.13	0.16	3.06	0.17	0.29	0.18
FREON 11	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	TRACE	<0.05	TRACE	<0.05	<0.05
FURAN	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ACRYLONITRILE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	<0.05	TRACE	TRACE	TRACE
PENTANE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	TRACE	<0.05	<0.05	<0.05	<0.05	<0.05
2-METHYL-2-PROPANOL	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
METHYL ACETATE	<0.05	TRACE	<0.05	<0.05	TRACE	TRACE	TRACE	<0.05	<0.05	<0.05	<0.05	TRACE	<0.05
1,1-DICHLOROETHENE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
DICHLOROMETHANE	0.30	0.11	0.11	0.15	0.13	0.14	0.10	0.08	0.09	3.01	0.26	0.37	0.16
3-CHLOROPROPENE	<0.05	<0.05	<0.05	<0.05	<0.05	<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	TRACE	<0.05	TRACE	<0.05	<0.05	<0.05
N-PROPANOL	0.07	0.05	0.06	0.07	TRACE	0.71	TRACE	TRACE	0.06	0.34	TRACE	0.07	TRACE
1,1-DICHLOROETHANE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
BUTANAL	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
2-BUTANONE	0.06	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	0.06	TRACE	0.55	TRACE	0.06	TRACE
1,2-DICHLOROETHENE	<0.05	<0.05	<0.05	<0.05	<0.05	<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	<0.05	<0.05	<0.05	<0.05	<0.05
ETHYL ACETATE	TRACE	TRACE	TRACE	TRACE	TRACE	0.05	TRACE	TRACE	TRACE	0.13	0.10	0.08	TRACE
HEXANE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	TRACE	<0.05	<0.05	<0.05
CHLOROFORM	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	TRACE	<0.05	<0.05	<0.05
2-BUTENAL	TRACE	TRACE	<0.05	TRACE	<0.05	<0.05	<0.05	TRACE	<0.05	<0.05	TRACE	TRACE	<0.05
1,2-DICHLOROETHANE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	<0.05	<0.05	TRACE	<0.05	TRACE	TRACE	TRACE
1,1,1-TRICHLOROETHANE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
N-BUTANOL	0.16	0.14	0.15	0.15	0.07	0.11	0.08	0.07	0.13	0.22	0.10	0.14	0.09
BENZENE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	TRACE	<0.05	<0.05	<0.05
CARBON TETRACHLORIDE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2-PENTANONE	<0.05	TRACE	<0.05	TRACE	<0.05	<0.05	<0.05	TRACE	<0.05	<0.05	<0.05	<0.05	<0.05
PENTANAL	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
1,2-DICHLOROPROPANE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.08	TRACE	TRACE	<0.05
1,4-DIOXANE	<0.05	<0.05	<0.05	<0.05	<0.05	<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	<0.05	TRACE	<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	<0.05	<0.05	<0.05	<0.05	<0.05
4-METHYL-2-PENTANONE	TRACE	<0.05	<0.05	<0.05	<0.05	TRACE	<0.05	<0.05	<0.05	TRACE	<0.05	TRACE	TRACE
CIS-1,3-DICHLOROPROPENE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2-PENTENAL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<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	<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	<0.05	<0.05	<0.05	<0.05	<0.05
TOLUENE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	0.35	TRACE	TRACE	TRACE
HEXANAL	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE

CHEMICAL CONTAMINANT	CONCENTRATION (mg/m3)												
	AA03234 S/N 1046 Service Module 9/1/01@ 09:33GMT	AA03223 S/N 1070 FGB 9/13/01@ 18:08 GMT	AA03235 S/N 1080 Service Module 9/13/01@ 18:12GMT	AA03224 S/N 1018 Lab 9/13/01@ 18:15GMT	AA03236 S/N 1071 Lab 10/10/01@ 10:09GMT	AA03237 S/N 1054 FGB 10/10/01@ 10:11GMT	AA03238 S/N 1044 Service Module 10/10/01@ 10:13GMT	AA03239 S/N 1072 FGB 11/15/01@ 09:15GMT	AA03240 S/N 1015 Service Module 11/15/01@ 09:20GMT	AA03241 S/N 1066 MPLM 2 12/09/01@ 01:18GMT	AA03242 S/N 1041 Service Module 12/09/01@ 18:05GMT	AA03243 S/N 1082 Lab 12/09/01@ 18:10GMT	AA03244 S/N 1060 Lab 12/15/01@ 11:51GMT
TARGET COMPOUNDS (TO-14/POLAR)* **													
MESITYL OXIDE	<0.05	<0.05	<0.05	<0.05	<0.05	TRACE	<0.05	<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	<0.05	<0.05	<0.05	<0.05	<0.05
BUTYL ACETATE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
TETRACHLOROETHENE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	TRACE	<0.05	<0.05	<0.05
CHLOROBENZENE	<0.05	TRACE	TRACE	TRACE	<0.05	<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	TRACE	TRACE	TRACE	TRACE	<0.05
M- + P-XYLENES	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
2-HEPTANONE	TRACE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	TRACE	<0.05	TRACE	<0.05	TRACE	<0.05
CYCLOHEXANONE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
HEPTANAL	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
STYRENE	<0.05	<0.05	<0.05	<0.05	<0.05	<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	<0.05	<0.05	<0.05	<0.05	<0.05
O-XYLENE	0.07	0.08	0.08	0.09	0.07	0.10	0.06	TRACE	0.06	TRACE	0.11	0.07	TRACE
1,3,5-TRIMETHYLBENZENE	<0.05	<0.05	<0.05	<0.05	<0.05	<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	<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	<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	<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	<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	<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	<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	<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	<0.05	<0.05	<0.05	<0.05	<0.05
CARBON DISULFIDE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
2-METHYL-2-PROPENAL	TRACE	TRACE	TRACE	<0.05	<0.05	TRACE	<0.05	TRACE	TRACE	TRACE	<0.05	TRACE	<0.05
3-BUTEN-2-ONE	TRACE	<0.05	<0.05	<0.05	TRACE	TRACE	<0.05	TRACE	<0.05	TRACE	TRACE	TRACE	TRACE
DIMETHYLDISULFIDE	<0.05	<0.05	<0.05	TRACE	<0.05	TRACE	<0.05	<0.05	TRACE	<0.05	TRACE	TRACE	TRACE
2-ETHOXYETHANOL	TRACE	<0.05	TRACE	<0.05	TRACE	TRACE	<0.05	<0.05	TRACE	<0.05	TRACE	TRACE	<0.05
OCTAMETHYLCYCLOTETRASILOXANE	0.68	0.79	0.21	0.54	0.17	1.18	0.11	1.18	0.98	0.56	0.18	1.13	0.28
NON-TARGET COMPOUNDS													
OCTAFLUOROPROPANE***	632	332	334	334	221	212	195	130	284	19.6	295	244	245
CHLOROPENTAFLUOROETHANE	0.07	0.03	0.03	0.04	0.01	0.01	0.01	0.01	0.02	0.002	0.02	0.03	0.03
BROMOTRIFLUOROMETHANE	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL	0.12	0.14	0.17
2-METHYLPROPANE	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.005	0.005	0.01	0.005
TRIMETHYLSILANOL	0.11	0.11	0.07	0.14	0.10	0.11	0.04	0.07	0.07	0.65	0.08	0.12	0.08
1,3-DIOXOLANE	0.02	0.03	0.04	0.04	0.04	0.03	0.02	0.02	0.02	0.06	0.03	0.03	0.02
2-METHYLPROPANENITRILE	0.003	0.003	0.004	0.002	0.005	0.01	0.002	0.002	0.002	0.02	0.01	0.01	0.002
C7 ALKANE	0.04	0.03	0.02	0.03	0.01	0.01	0.01	0.01	0.01	0.02	0.06	0.05	0.01
HEPTANE	0.02	0.02	0.01	0.02	0.01	0.01	0.004	0.10	0.01	0.01	0.06	0.05	0.01
HEXAMETHYLCYCLOTRISILOXANE	1.60	0.78	0.23	1.05	0.24	2.00	0.19	1.29	2.03	0.95	0.31	1.43	0.51
LIMONENE	0.07	0.06	0.06	0.06	0.05	0.06	0.05	0.03	0.05	0.02	0.01	0.01	0.01
DECAMETHYLCYCLOPENTASILOXANE	0.26	0.19	0.18	0.35	0.13	0.30	0.11	0.15	0.28	0.11	0.21	0.42	0.63
TOTAL ALCOHOLS PLUS ACETONE	**5.6**	**5.5**	**3.9**	**4.1**	**5.5**	**7.3**	**5.5**	**3.9**	**11.1**	**6.4**	**7.3**	**7.9**	**6.3**
TARGET COMPOUNDS (GC)* **													
ETHYLENE	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
CARBON MONOXIDE	TRACE	<1.1	1.7	<1.1	TRACE	<1.1	TRACE	<1.1	TRACE	1.3	1.8	1.6	1.40
METHANE	7.30	20.0	20.0	20.0	2.9	3.10	3.00	2.20	1.10	1.90	9.30	9.30	19.0
HYDROGEN	TRACE	TRACE	2.10	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	3.60	3.70	6.20
CARBON DIOXIDE	6400	5200	5200	5800	7200	6700.00	7000.00	3600.00	8100.00	2300.00	9500.00	8700.00	9000

CHEMICAL CONTAMINANT	CONCENTRATION (mg/m3)												
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TARGET COMPOUNDS (TO-14/POLAR)* **													
TOTAL CONCENTRATION (NON-METHANE HYDROCARBONS)	**642**	**341**	**339**	**342**	**228**	**224**	**202**	**138**	**299**	**33**	**305**	**257**	**254**

< : 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; 0.2 mg/m3 for CH4; 1.6 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.

NOTE: High levels (above 1.5ppm) of Methanol, Ethanol, Acetone, Isopropanol and 2-Butanone are routinely reported based on calibrated GC-FID measurements.