

Azalea Park, FL (AZFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31465	31508	31555	31674	31777	31832
SAMPLE DATE		1/3/2003	1/9/2003	1/15/2003	1/21/2003	1/27/2003	2/2/2003
ANALYSIS DATE		2/11/2003	2/7/2003	2/25/2003	2/27/2003	3/3/2003	3/4/2003
FILE NAME	MDL	V3BJ047	V3BE047	V3BX032	V3BZ031	V3CC010	F3CC019
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.033	1.46	2.20	2.41	2.24	2.76	2.33
Acetaldehyde	0.020	0.79	1.11	1.49	1.19	1.65	1.52
Acetone	0.019	0.71	0.42	2.87	0.69	2.42	1.74
Propionaldehyde	0.005	0.05	0.08	0.15	0.08	0.11	0.16
Crotonaldehyde	0.007	0.005 u	0.01 u	0.01	0.01 u	0.01	0.09
Butyr/Isobutyraldehyde	0.010	0.08	0.08	0.18	0.08	0.15	0.22
Benzaldehyde	0.001	0.02	0.04	0.07	0.02	0.06	0.04
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.002	0.01	0.01	0.04	0.02	0.02	0.03
Tolualdehydes	0.005	0.02	0.03	0.06	0.03	0.05	0.04
Hexaldehyde	0.002	0.03	0.02	0.05	0.02	0.03	0.04
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

* Reran out of hold time.

% Analyzed out of hold time.

** 16 hour sample collection.

u Under detection limit.

ND Not detected.

Azalea Park, FL (AZFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31930	31972	32079	32190	32221	32314
SAMPLE DATE		2/8/2003	2/14/2003	2/20/2003	2/26/2003	3/4/2003	3/10/2003
ANALYSIS DATE		3/10/2003	3/11/2003	3/18/2003	3/31/2003	4/4/2003	4/4/2003
FILE NAME	MDL	V3CJ008	F3CJ025	V3CQ016	V3C%009	V3DC018	V3DC021
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.033	1.64	3.55	3.79	2.89	1.84	2.79
Acetaldehyde	0.020	1.06	1.72	2.12	1.41	0.90	1.38
Acetone	0.019	1.27	1.30	1.52	0.48	0.19	1.20
Propionaldehyde	0.005	0.10	0.20	0.18	0.12	0.09	0.13
Crotonaldehyde	0.007	0.01	0.05	0.02	0.01	0.05	0.08
Butyr/Isobutyraldehyde	0.010	0.12	0.21	0.16	0.11	0.11	0.14
Benzaldehyde	0.001	0.04	0.07	0.07	0.06	0.05	0.09
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.002	0.03	0.04	0.03	0.02	0.02	0.03
Tolualdehydes	0.005	0.04	0.04	0.07	0.04	0.03	0.05
Hexaldehyde	0.002	0.03	0.04	0.05	0.04	0.03	0.04
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

* Reran out of hold time.

% Analyzed out of hold time.

** 16 hour sample collection.

u Under detection limit.

ND Not detected.

Azalea Park, FL (AZFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32484	*32584	32684	32685	32778	32851
SAMPLE DATE		3/22/2003	3/28/2003	4/3/2003	4/9/2003	4/15/2003	4/21/2003
ANALYSIS DATE		4/30/2003	5/12/2003	5/9/2003	5/9/2003	5/20/2003	5/30/2003
FILE NAME	MDL	F3D\$007	F3EL012	F3EH019	F3EH018	F3ES018	V3E#040
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.033	3.24	2.81	3.84	1.84	3.46	2.62
Acetaldehyde	0.020	1.88	1.35	2.15	0.74	1.67	1.10
Acetone	0.019	0.70	0.60	1.16	0.48	0.67	0.33
Propionaldehyde	0.005	0.29	0.18	0.32	0.08	0.20	0.16
Crotonaldehyde	0.007	0.10	0.09	0.11	0.04	0.14	ND
Butyr/Isobutyraldehyde	0.010	0.30	0.23	0.25	0.13	0.23	0.12
Benzaldehyde	0.001	0.07	0.04	0.08	0.02	0.06	0.04
Isovaleraldehyde	0.002	0.02	0.02	0.02	0.01	0.02	0.01
Valeraldehyde	0.002	0.07	0.06	0.08	0.03	0.05	0.03
Tolualdehydes	0.005	0.03	0.03	0.05	0.02	0.03	0.02
Hexaldehyde	0.002	0.08	0.05	0.07	0.03	0.05	0.03
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

* Reran out of hold time.

% Analyzed out of hold time.

** 16 hour sample collection.

u Under detection limit.

ND Not detected.

Azalea Park, FL (AZFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32946	33123	33221	33320	33362	33419
SAMPLE DATE		4/27/2003	5/3/2003	5/9/2003	5/15/2003	5/21/2003	5/27/2003
ANALYSIS DATE		5/21/2003	6/3/2003	6/6/2003	6/26/2003	6/30/2003	7/3/2003
FILE NAME	MDL	V3EU009	F3FB022	F3FE035	V3FZ019	V3F\$017	V3GB023
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.033	2.63	2.29	2.45	3.93	3.08	1.92
Acetaldehyde	0.020	1.38	1.08	1.27	2.37	1.46	2.31
Acetone	0.019	0.91	0.40	0.28	0.87	0.53	0.54
Propionaldehyde	0.005	0.16	0.09	0.10	NR	NR	NR
Crotonaldehyde	0.007	0.08	0.08	0.13	0.13	0.16	0.13
Butyr/Isobutyraldehyde	0.010	0.13	0.21	0.23	0.14	0.09	0.09
Benzaldehyde	0.001	0.04	0.03	0.03	0.07	0.07	0.07
Isovaleraldehyde	0.002	0.03	0.002	0.01	0.02	0.005	0.01
Valeraldehyde	0.002	0.03	0.03	0.03	0.04	0.02	0.02
Tolualdehydes	0.005	0.04	0.01	0.01	0.03	0.02	0.02
Hexaldehyde	0.002	0.03	0.03	0.03	0.03	0.03	0.02
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

* Reran out of hold time.

% Analyzed out of hold time.

** 16 hour sample collection.

u Under detection limit.

ND Not detected.

Azalea Park, FL (AZFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		33514	%33632	33816	33952	34154	34199
SAMPLE DATE		6/2/2003	6/8/2003	6/14/2003	6/20/2003	6/26/2003	7/2/2003
ANALYSIS DATE		7/9/2003	8/6/2003	7/27/2003	7/29/2003	8/5/2003	8/7/2003
FILE NAME	MDL	V3GG056	F3HF012	F3GZ042	F3GI047	F3HD023	F3HF051
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.033	1.42	0.98	1.60	0.78	1.36	0.91
Acetaldehyde	0.020	0.92	0.67	1.79	0.88	2.58	1.26
Acetone	0.019	0.38	0.17	0.56	0.26	0.66	0.18
Propionaldehyde	0.005	NR	0.02	0.04	0.02	0.04	0.02
Crotonaldehyde	0.007	0.05	0.05	0.27	0.09	0.19	0.11
Butyr/Isobutyraldehyde	0.010	0.08	0.05	0.22	0.09	0.07	0.05
Benzaldehyde	0.001	0.03	0.01	0.04	0.02	0.02	0.01
Isovaleraldehyde	0.002	0.002	ND	ND	ND	ND	ND
Valeraldehyde	0.002	0.01	0.01	0.02	0.01	0.01	0.01
Tolualdehydes	0.005	0.01	0.01	0.03	0.03	0.03	0.02
Hexaldehyde	0.002	0.02	0.02	0.03	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

* Reran out of hold time.

% Analyzed out of hold time.

** 16 hour sample collection.

u Under detection limit.

ND Not detected.

Azalea Park, FL (AZFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		34290	34358	34558	34729	34876	35054
SAMPLE DATE		7/8/2003	7/14/2003	7/20/2003	7/26/2003	8/1/2003	8/7/2003
ANALYSIS DATE		8/13/2003	VOID	8/26/2003	8/29/2003	9/4/2003	9/8/2003
FILE NAME	MDL	F3HM012	VOID	F3HY026	F3H!018	V3IC029	V3IH007
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.033	1.16		0.72	0.84	1.27	0.67
Acetaldehyde	0.020	1.60		1.31	2.02	2.18	1.02
Acetone	0.019	0.31		0.31	0.52	0.45	0.21
Propionaldehyde	0.005	0.03		0.02	0.03	0.03	0.02
Crotonaldehyde	0.007	0.18		0.07	0.22	0.31	0.07
Butyr/Isobutyraldehyde	0.010	0.05		0.04	0.05	0.05	0.04
Benzaldehyde	0.001	0.02		0.01	0.02	0.02	0.01
Isovaleraldehyde	0.002	ND		ND	ND	ND	ND
Valeraldehyde	0.002	0.01		0.01	0.01	0.01	0.01
Tolualdehydes	0.005	0.02		0.01	0.02	0.03	0.01
Hexaldehyde	0.002	0.02		0.01	0.03	0.03	0.02
2,5-Dimethylbenzaldehyde	0.003	ND		ND	ND	ND	ND

* Reran out of hold time.

% Analyzed out of hold time.

** 16 hour sample collection.

u Under detection limit.

ND Not detected.

Azalea Park, FL (AZFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		35139	35214	35345	35466	35628	35761
SAMPLE DATE		8/13/2003	8/19/2003	8/25/2003	8/31/2003	9/6/2003	9/12/2003
ANALYSIS DATE		9/9/2003	9/16/2003	9/26/2003	10/7/2003	10/16/2003	10/20/2003
FILE NAME	MDL	F3II007	F3IO019	F3IY020	V3JF034	F3JO019	F3JT017
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.033	1.51	1.14	1.55	1.21	0.91	1.39
Acetaldehyde	0.020	1.90	1.18	2.27	1.94	1.36	2.66
Acetone	0.019	0.28	0.27	0.34	0.35	0.41	0.81
Propionaldehyde	0.005	0.09	0.04	0.06	0.02	0.03	0.05
Crotonaldehyde	0.007	0.29	0.14	0.20	0.21	0.12	0.19
Butyr/Isobutyraldehyde	0.010	0.10	0.08	0.08	0.07	0.06	0.07
Benzaldehyde	0.001	0.03	0.03	0.04	0.04	0.02	0.03
Isovaleraldehyde	0.002	0.01	ND	ND	ND	ND	0.003
Valeraldehyde	0.002	0.02	0.01	0.01	0.01	0.01	0.01
Tolualdehydes	0.005	0.02	0.01	0.02	0.02	0.02	0.03
Hexaldehyde	0.002	0.03	0.03	0.03	0.03	0.03	0.03
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

* Reran out of hold time.

% Analyzed out of hold time.

** 16 hour sample collection.

u Under detection limit.

ND Not detected.

Azalea Park, FL (AZFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		35875**	35933	36065	36178	36216	36335
SAMPLE DATE		9/18/2003	9/24/2003	9/30/2003	10/6/2003	10/12/2003	10/18/2003
ANALYSIS DATE		10/28/2003	10/29/2003	11/4/2003	11/12/2003	11/21/2003	11/25/2003
FILE NAME	MDL	V3J-023	F3J#018	V3KC023	V3KK021	V3KT025	V3KX038
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.033	1.49	1.91	1.53	2.23	1.15	2.61
Acetaldehyde	0.020	3.05	2.01	1.85	2.65	1.83	2.52
Acetone	0.019	1.73	0.38	0.34	0.84	0.45	1.20
Propionaldehyde	0.005	0.04	0.07	0.04	0.06	0.04	0.08
Crotonaldehyde	0.007	0.26	0.22	0.21	0.18	0.15	0.12
Butyr/Isobutyraldehyde	0.010	0.12	0.06	0.08	0.12	0.12	0.20
Benzaldehyde	0.001	0.05	0.03	0.04	0.05	0.04	0.06
Isovaleraldehyde	0.002	0.01	ND	ND	0.01	0.01	0.01
Valeraldehyde	0.002	0.02	0.01	0.02	0.03	0.01	0.02
Tolualdehydes	0.005	0.03	0.04	0.02	0.03	0.02	0.02
Hexaldehyde	0.002	0.04	0.03	0.03	0.04	0.02	0.05
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

* Reran out of hold time.

% Analyzed out of hold time.

** 16 hour sample collection.

u Under detection limit.

ND Not detected.

Azalea Park, FL (AZFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36383	36541	36546	36640	36727	36954
SAMPLE DATE		10/24/2003	10/30/2003	11/5/2003	11/11/2003	11/17/2003	11/23/2003
ANALYSIS DATE		12/5/2003	12/10/2003	12/2/2003	12/16/2003	12/28/2003	12/30/2003
FILE NAME	MDL	V3LD015	V3LJ011	V3LA021	V3LN025	F3L!019	V3L\$008
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.033	3.13	1.89	0.51	0.98	0.90	0.93
Acetaldehyde	0.020	4.43	3.01	1.70	1.79	2.40	3.12
Acetone	0.019	1.52	0.65	0.40	0.60	0.40	0.83
Propionaldehyde	0.005	0.11	0.08	0.02	0.03	0.03	0.02
Crotonaldehyde	0.007	0.21	0.13	0.08	0.11	0.16	0.08
Butyr/Isobutyraldehyde	0.010	0.32	0.22	0.19	0.24	0.12	0.25
Benzaldehyde	0.001	0.07	0.05	0.03	0.03	0.02	0.02
Isovaleraldehyde	0.002	0.01	0.002 u	ND	ND	ND	ND
Valeraldehyde	0.002	0.02	0.02	0.01	0.02	0.01	0.01
Tolualdehydes	0.005	0.04	0.03	0.02	0.01	0.02	0.05
Hexaldehyde	0.002	0.04	0.03	0.02	0.03	0.04	0.03
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

* Reran out of hold time.

% Analyzed out of hold time.

** 16 hour sample collection.

u Under detection limit.

ND Not detected.

Azalea Park, FL (AZFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36955	37033	37164	37169	37282	37285
SAMPLE DATE		11/29/2003	12/5/2003	12/11/2003	12/17/2003	12/23/2003	12/29/2003
ANALYSIS DATE		1/8/2004	1/12/2004	1/23/2004	1/30/2004	2/4/2004	2/5/2004
FILE NAME	MDL	F4AH014	V4AL009	V4AV046	V4A#019	V4BB054	V4BD028
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.033	0.89	0.62	0.72	0.59	0.89	1.14
Acetaldehyde	0.020	1.68	1.42	1.99	1.28	2.93	3.15
Acetone	0.019	1.25	0.91	1.71	0.84	0.75	0.57
Propionaldehyde	0.005	0.01	0.01	ND	ND	0.03	0.03
Crotonaldehyde	0.007	0.05	0.04	0.05	0.03	0.07	0.05
Butyr/Isobutyraldehyde	0.010	0.15	0.16	0.12	0.11	0.13	0.08
Benzaldehyde	0.001	0.02	0.02	0.01	0.02	0.01	0.02
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.002	0.01	0.01	0.01	0.01	0.02	0.01
Tolualdehydes	0.005	0.01	0.03	0.02	0.02	0.01	0.003 u
Hexaldehyde	0.002	0.03	0.03	0.02	0.02	0.03	0.03
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

* Reran out of hold time.

% Analyzed out of hold time.

** 16 hour sample collection.

u Under detection limit.

ND Not detected.

Azalea Park, FL (AZFL) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	V3BX031 31554 FB 1/15/2003 2/25/2003	Meets Criteria (Y/N)	V3BZ032 31673 1/21/2003 2/27/2003	Meets Criteria (Y/N)	F3CC020 31831 FB 2/2/2003 3/4/2003	Meets Criteria (Y/N)	V3CQ017 32078 FB 2/20/2003 3/18/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.03	Y	0.02	Y	0.04	Y	0.06	Y
Acetaldehyde	<0.4	0.07	Y	0.06	Y	0.09	Y	0.06	Y
Acetone	<0.75	0.21	Y	0.19	Y	0.22	Y	0.19	Y
Propionaldehyde		0.01		0.01		0.01		0.01	
Crotonaldehyde		ND		ND		0.01		ND	
Butyraldehyde		0.06		0.06		0.12		0.09	
Benzaldehyde		0.02		0.02		0.02		0.02	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.01		0.01	
Tolualdehydes		0.03		0.04		0.03		0.02	
Hexaldehyde		0.04		0.03		0.02		0.04	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.150	Y	0.156	Y	0.213	Y	0.175	Y

Azalea Park, FL (AZFL) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3DC020	Meets	F3ES019	Meets	V3E#039	Meets	F3FE034	Meets
FB ID	Criteria	32313 FB	Criteria	32777 FB	Criteria	32850 FB	Criteria	33220 FB	Criteria
Sample date	per	3/10/2003		4/15/2003		4/21/2003		5/9/2003	
Date Analyzed	QAPP	4/4/2003	(Y/N)	5/20/2003	(Y/N)	5/30/2003	(Y/N)	6/6/2003	(Y/N)
Formaldehyde	<0.3	0.05	Y	0.08	Y	0.29	Y	0.06	Y
Acetaldehyde	<0.4	0.08	Y	0.09	Y	0.06	Y	0.08	Y
Acetone	<0.75	0.22	Y	0.25	Y	0.19	Y	0.21	Y
Propionaldehyde		0.01		0.01		0.01		0.01	
Crotonaldehyde		ND		ND		0.02		0.01	
Butyraldehyde		0.10		0.29		0.09		0.32	
Benzaldehyde		0.02		0.02		0.02		0.01	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.01		0.01	
Tolualdehydes		0.02		0.03		0.05		0.02	
Hexaldehyde		0.03		0.02		0.02		0.03	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.184	Y	0.379	Y	0.220	Y	0.405	Y

Azalea Park, FL (AZFL) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	V3GB024 33418 FB 5/27/2003 7/3/2003	Meets Criteria (Y/N)	F3GZ043 33815 FB 6/14/2003 7/27/2003	Meets Criteria (Y/N)	F3GI045 33951 FB 6/20/2003 7/29/2003	Meets Criteria (Y/N)	F3HM013 34289 FB 7/8/2003 8/13/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.04	Y	0.18	Y	0.42	N	0.08	Y
Acetaldehyde	<0.4	0.09	Y	0.09	Y	0.15	Y	0.08	Y
Acetone	<0.75	0.19	Y	0.25	Y	0.37	Y	0.22	Y
Propionaldehyde		0.01		0.01		0.01		0.01	
Crotonaldehyde		0.04		0.01		0.01		0.02	
Butyraldehyde		0.08		0.24		0.17		0.05	
Benzaldehyde		0.02		0.02		0.02		0.02	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.01		0.01	
Tolualdehydes		0.04		0.04		0.08		0.03	
Hexaldehyde		0.03		0.02		0.03		0.03	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.232	Y	0.350	Y	0.341	Y	0.161	Y

Azalea Park, FL (AZFL) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	F3H!019	Meets	F3II008	Meets	V3JF033	Meets	F3JO020	Meets
FB ID	Criteria	34728 FB	Criteria	35138 FB	Criteria	35465 FB	Criteria	35629 FB	Criteria
Sample date	per	7/26/2003		8/13/2003		8/31/2003		9/6/2003	
Date Analyzed	QAPP	8/29/2003	(Y/N)	9/9/2003	(Y/N)	10/7/2003	(Y/N)	10/16/2003	(Y/N)
Formaldehyde	<0.3	0.04	Y	0.03	Y	0.08	Y	0.05	Y
Acetaldehyde	<0.4	0.08	Y	0.13	Y	0.15	Y	0.21	Y
Acetone	<0.75	0.25	Y	0.24	Y	0.25	Y	0.61	Y
Propionaldehyde		0.00		0.01		ND		0.01	
Crotonaldehyde		0.04		0.01		0.02		0.04	
Butyraldehyde		0.04		0.14		0.08		0.07	
Benzaldehyde		0.00		0.01		ND		0.01	
Isovaleraldehyde		0.02		ND		ND		ND	
Valeraldehyde		0.01		0.003		0.01		0.01	
Tolualdehydes		0.04		0.02		0.05		0.05	
Hexaldehyde		0.03		0.02		0.03		0.04	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.184	Y	0.212	Y	0.186	Y	0.228	Y

Azalea Park, FL (AZFL) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	F3J#017	Meets	V3KT026	Meets	V3LJ012	Meets	V3LA022	Meets
FB ID	Criteria	35932 FB	Criteria	36215 FB	Criteria	36540 FB	Criteria	36545	Criteria
Sample date	per	9/24/2003		10/12/2003		10/30/2003		11/5/2003	
Date Analyzed	QAPP	10/29/2003	(Y/N)	11/21/2003	(Y/N)	12/10/2003	(Y/N)	12/2/2003	(Y/N)
Formaldehyde	<0.3	0.03	Y	0.05	Y	0.10	Y	0.03	Y
Acetaldehyde	<0.4	0.08	Y	0.11	Y	0.12	Y	0.15	Y
Acetone	<0.75	0.27	Y	0.25	Y	0.34	Y	0.31	Y
Propionaldehyde		0.01		0.01		0.02		0.02	
Crotonaldehyde		0.01		0.02		0.01		0.03	
Butyraldehyde		0.05		0.22		0.18		0.19	
Benzaldehyde		0.01		0.02		0.02		0.02	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.01		0.01	
Tolualdehydes		0.02		0.03		0.04		0.03	
Hexaldehyde		0.02		0.02		0.03		0.03	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.150	Y	0.319	Y	0.304	Y	0.320	Y

Azalea Park, FL (AZFL) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3L\$009	Meets	V4AV047	Meets	V4BD027	Meets
FB ID	Criteria	36953 FB	Criteria	37163 FB	Criteria	37284 FB	Criteria
Sample date	per	11/23/2003		12/11/2003		12/29/2003	
Date Analyzed	QAPP	12/30/2003	(Y/N)	1/23/2004	(Y/N)	2/5/2004	(Y/N)
Formaldehyde	<0.3	0.03	Y	0.03	Y	0.04	Y
Acetaldehyde	<0.4	0.10	Y	0.15	Y	0.10	Y
Acetone	<0.75	0.24	Y	0.41	Y	0.27	Y
Propionaldehyde		0.01		0.02		0.01	
Crotonaldehyde		0.01		0.02		0.01	
Butyraldehyde		0.20		0.12		0.10	
Benzaldehyde		0.02		0.02		0.03	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.01		0.02		0.02	
Tolualdehydes		0.03		0.05		0.02	
Hexaldehyde		0.03		0.03		0.04	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.313	Y	0.284	Y	0.232	Y

Barcolenta, PR (BAPR) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31461	31566	31752 D1	31753 D2	31865	32420
SAMPLE DATE		1/3/2003	1/15/2003	1/27/2003	1/27/2003	2/8/2003	3/16/2003
ANALYSIS DATE		2/6/2003	2/25/2003	VOID	VOID	3/3/2003	4/24/2003
FILE NAME	MDL	V3BE033	V3BX018	VOID	VOID	F3CC010	F3DX009
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	1.71	1.86			1.72	0.11
Acetaldehyde	0.014	0.73	1.07			0.88	0.04
Acetone	0.014	2.37	0.38			1.41	0.08
Propionaldehyde	0.003	0.07	0.09			0.08	0.003 u
Crotonaldehyde	0.005	0.004 u	0.003 u			0.002 u	0.005 u
Butyr/Isobutyraldehyde	0.007	0.06	0.05			0.11	0.16
Benzaldehyde	0.001	0.03	0.04			0.02	0.003
Isovaleraldehyde	0.002	ND	ND			ND	ND
Valeraldehyde	0.001	0.01	0.02			0.01	ND
Tolualdehydes	0.004	0.03	0.03			0.02	0.002 u
Hexaldehyde	0.002	0.02	0.04			0.02	0.004
2,5-Dimethylbenzaldehyde	0.002	ND	ND			ND	ND

u Under detection limit.
ND Not detected.

Barcolenta, PR (BAPR) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32539 D1	32539 R1	32541 D2	32541 R2	32678	32893
SAMPLE DATE		3/28/2003	3/28/2003	3/28/2003	3/28/2003	4/9/2003	4/21/2003
ANALYSIS DATE		5/1/2003	5/1/2003	5/1/2003	5/1/2003	5/9/2003	5/30/2003
FILE NAME	MDL	F3D\$033	F3D\$034	F3D\$031	F3D\$032	F3EH024	V3E#032
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	2.91	2.98	1.72	1.71	0.16	0.15
Acetaldehyde	0.014	1.14	1.15	1.41	1.41	1.45	0.54
Acetone	0.014	0.76	0.75	0.58	0.58	2.38	0.19
Propionaldehyde	0.003	0.09	0.09	0.12	0.13	0.04	0.02
Crotonaldehyde	0.005	0.08	0.05	0.07	0.06	0.02	0.02
Butyr/Isobutyraldehyde	0.007	0.17	0.16	0.16	0.16	0.08	0.04
Benzaldehyde	0.001	0.02	0.02	0.02	0.03	0.002	0.005
Isovaleraldehyde	0.002	ND	ND	0.01	0.01	ND	ND
Valeraldehyde	0.001	0.04	0.05	0.03	0.03	0.01	0.004
Tolualdehydes	0.004	0.03	0.03	0.01	0.04	0.01	0.01
Hexaldehyde	0.002	0.07	0.07	0.03	0.06	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

Barcolenta, PR (BAPR) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		33106	33252 D1	33252 R1	33254 D2	33254 R2	33375
SAMPLE DATE		5/3/2003	5/15/2003	5/15/2003	5/15/2003	5/15/2003	5/27/2003
ANALYSIS DATE		6/3/2003	6/6/2003	6/6/2003	6/6/2003	6/6/2003	7/8/2003
FILE NAME	MDL	F3FB019	V3FE033	V3FE034	V3FE035	V3FE036	V3GG020
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	1.05	1.90	1.90	1.89	1.90	1.11
Acetaldehyde	0.014	2.04	1.33	1.33	1.57	1.57	1.94
Acetone	0.014	0.43	2.05	2.04	2.42	2.41	1.07
Propionaldehyde	0.003	0.06	0.14	0.13	0.15	0.15	0.11
Crotonaldehyde	0.005	0.08	0.08	0.08	0.10	0.09	0.07
Butyr/Isobutyraldehyde	0.007	0.18	0.12	0.13	0.14	0.12	0.10
Benzaldehyde	0.001	0.01	0.04	0.04	0.04	0.04	0.03
Isovaleraldehyde	0.002	ND	0.01	0.02	0.02	0.02	0.01
Valeraldehyde	0.001	0.02	0.05	0.05	0.06	0.06	0.07
Tolualdehydes	0.004	0.01	0.01	0.01	0.01	0.01	0.02
Hexaldehyde	0.002	0.01	0.03	0.03	0.03	0.03	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

Barcolenta, PR (BAPR) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		33630	34009	34225	34338	34736	34906
SAMPLE DATE		6/8/2003	6/20/2003	7/2/2003	7/14/2003	7/26/2003	8/7/2003
ANALYSIS DATE		7/16/2003	7/30/2003	8/7/2003	8/14/2003	9/3/2003	8/20/2003
FILE NAME	MDL	V3GO032	V3G#026	F3HF047	F3HM026	V3IB032	V3HS023
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	0.28	2.37	1.24	2.29	1.98	2.88
Acetaldehyde	0.014	1.71	2.89	2.68	1.29	1.40	1.63
Acetone	0.014	1.07	1.45	0.59	0.64	0.55	0.86
Propionaldehyde	0.003	0.03	1.10	0.15	0.22	0.21	0.32
Crotonaldehyde	0.005	0.03	0.11	0.09	0.12	0.08	0.15
Butyr/Isobutyraldehyde	0.007	0.04	0.86	0.13	0.27	0.22	0.27
Benzaldehyde	0.001	0.01	0.04	0.03	0.06	0.06	0.09
Isovaleraldehyde	0.002	ND	0.17	0.01	0.02	0.02	0.03
Valeraldehyde	0.001	0.01	0.64	0.06	0.18	0.14	0.18
Tolualdehydes	0.004	0.01	0.01	0.01	0.01	0.01	0.02
Hexaldehyde	0.002	0.01	0.56	0.04	0.13	0.11	0.16
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	0.004	ND	ND

Barcelonetta, PR (BAPR) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	#V3BX017 31565 FB 1/15/2003 2/25/2003	Meets Criteria (Y/N)	F3DX010 32419 FB 3/16/2003 4/24/2003	Meets Criteria (Y/N)	V3E#033 32892 FB 4/21/2003 5/30/2003	Meets Criteria (Y/N)	V3GG021 33374 FB 5/27/2003 7/8/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.336	N	0.023	Y	0.035	Y	0.072	Y
Acetaldehyde	<0.4	0.072	Y	0.049	Y	0.058	Y	0.078	Y
Acetone	<0.75	0.233	Y	0.141	Y	0.134	Y	0.124	Y
Propionaldehyde		ND		0.005		0.008		0.007	
Crotonaldehyde		ND		0.013		0.021		0.026	
Butyraldehyde		0.052		0.192		0.110		0.063	
Benzaldehyde		0.015		0.006		0.013		0.016	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.007		0.008		0.005		0.003	
Tolualdehydes		0.048		0.011		0.049		0.034	
Hexaldehyde		0.023		0.017		0.015		0.018	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.143	Y	0.250	Y	0.220	Y	0.166	Y

Field blank failed acceptance criteria for formaldehyde.
 ND Not detected.

Barcelonetta, PR (BAPR) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3G#027	Meets	V3IB033	Meets
FB ID	Criteria	34008 FB	Criteria	34735 FB	Criteria
Sample date	per	6/20/2003		7/26/2003	
Date Analyzed	QAPP	7/30/2003	(Y/N)	9/3/2003	(Y/N)
Formaldehyde	<0.3	0.119	Y	0.032	Y
Acetaldehyde	<0.4	0.228	Y	0.184	Y
Acetone	<0.75	0.192	Y	0.217	Y
Propionaldehyde		0.020		ND	
Crotonaldehyde		ND		0.034	
Butyraldehyde		0.058		0.059	
Benzaldehyde		0.030		0.017	
Isovaleraldehyde		ND		ND	
Valeraldehyde		ND		0.009	
Tolualdehydes		0.068		0.051	
Hexaldehyde		0.025		0.030	
2,5-Dimethylbenzaldehyde		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.199	Y	0.198	Y

Belle Glade, FL (BGFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31462	31690	31912 D1	31912 R1	31911 D2	31911 R2
SAMPLE DATE		1/3/2003	1/15/2003	1/27/2003	1/27/2003	1/27/2003	1/27/2003
ANALYSIS DATE		2/11/2003	2/13/2003	3/4/2003	3/4/2003	3/4/2003	3/4/2003
FILE NAME	MDL	V3BJ045	V3BL042	F3CC025	F3CC026	F3CC027	F3CC028
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	0.18	0.40	0.50	0.50	0.45	0.45
Acetaldehyde	0.013	0.27	0.61	0.78	0.78	0.64	0.64
Acetone	0.012	0.08	0.12	0.13	0.13	0.12	0.12
Propionaldehyde	0.003	0.02	0.04	0.03	0.02	0.02	0.01
Crotonaldehyde	0.004	0.003 u	0.003 u	0.01	0.01	0.02	0.02
Butyr/Isobutyraldehyde	0.006	0.04	0.04	0.09	0.10	0.10	0.10
Benzaldehyde	0.001	0.01	0.01	0.01	0.01	0.01	0.01
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.03	0.02	0.01	0.02
Tolualdehydes	0.003	0.01	0.02	0.01	0.004	0.01	0.01
Hexaldehyde	0.001	0.02	0.04	0.01	0.01	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

Received out of hold time.

* Extracted out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Belle Glade, FL (BGFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31913	32095	32408	32411	32733	32734
SAMPLE DATE		2/8/2003	2/20/2003	3/4/2003	3/16/2003	3/28/2003	4/9/2003
ANALYSIS DATE		3/11/2003	3/18/2003	4/10/2003	4/17/2003	5/8/2003	5/8/2003
FILE NAME	MDL	V3CJ025	V3CQ021	F3DJ008	F3DP039	F3EH013	F3EH016
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	0.22	0.21	0.33	0.47	0.29	0.26
Acetaldehyde	0.013	0.30	0.38	0.54	0.58	0.71	0.61
Acetone	0.012	0.05	0.03	0.08	0.04	0.07	0.06
Propionaldehyde	0.003	0.01	0.01	ND	0.004	0.01	ND
Crotonaldehyde	0.004	ND	ND	0.01	0.01	0.01	0.01
Butyr/Isobutyraldehyde	0.006	0.03	0.03	0.09	0.09	0.07	0.06
Benzaldehyde	0.001	0.01	0.01	0.01	0.01	0.01	0.01
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.003	0.004	0.004	0.003	0.004	0.005
Tolualdehydes	0.003	0.02	0.01	0.01	0.01	0.02	0.05
Hexaldehyde	0.001	0.01	0.02	0.01	0.01	0.01	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

Received out of hold time.

* Extracted out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Belle Glade, FL (BGFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		33118	33119	33452	33454	33914	33911
SAMPLE DATE		4/21/2003	5/3/2003	5/15/2003	5/27/2003	6/8/2003	6/20/2003
ANALYSIS DATE		6/2/2003	6/3/2003	6/30/2003	7/8/2003	7/27/2003	7/29/2003
FILE NAME	MDL	F3FB007	F3FB025	V3F\$010	V3GG029	F3GZ040	F3GI050
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	0.34	0.25	0.20	0.19	0.22	0.25
Acetaldehyde	0.013	0.55	0.27	0.15	0.20	0.14	0.21
Acetone	0.012	0.08	0.07	0.04	0.03	0.03	0.05
Propionaldehyde	0.003	ND	0.01	0.02	ND	NR	NR
Crotonaldehyde	0.004	0.02	0.01	0.01	0.01	0.01	0.01
Butyr/Isobutyraldehyde	0.006	0.10	0.11	0.02	0.03	0.13	0.06
Benzaldehyde	0.001	0.01	0.01	0.01	0.01	0.01	0.01
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.005	0.01	0.004	0.005	0.004	0.003
Tolualdehydes	0.003	0.01	0.01	0.02	0.02	0.01	0.01
Hexaldehyde	0.001	0.01	0.01	0.01	0.01	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

Received out of hold time.

* Extracted out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Belle Glade, FL (BGFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		#34363	34364	#34983	34984	35480	35790
SAMPLE DATE		7/2/2003	7/14/2003	7/26/2003	8/7/2003	8/31/2003	9/12/2003
ANALYSIS DATE		8/7/2003	8/18/2003	8/19/2003	8/19/2003	9/30/2003	9/24/2003
FILE NAME	MDL	V3HH010	V3HR020	V3HS009	V3HS008	V3I#026	F3IW020
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	0.17	0.23	0.37	0.24	0.65	0.36
Acetaldehyde	0.013	0.18	0.16	0.37	0.17	0.52	0.33
Acetone	0.012	0.06	0.05	0.04	0.04	0.05	0.03
Propionaldehyde	0.003	0.03	0.005	0.01	0.01	0.01	0.02
Crotonaldehyde	0.004	0.02	0.01	0.03	0.01	0.02	0.02
Butyr/Isobutyraldehyde	0.006	0.02	0.02	0.02	0.01	0.04	0.05
Benzaldehyde	0.001	0.01	0.01	0.01	0.003	0.01	0.01
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.002	0.004	0.004	0.003	0.01	0.01
Tolualdehydes	0.003	0.01	0.004	0.01	ND	0.01	0.01
Hexaldehyde	0.001	0.01	0.01	0.01	0.01	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

Received out of hold time.

* Extracted out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Belle Glade, FL (BGFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		*36025	36180	36333	36538	36767 D1	36767 R1
SAMPLE DATE		9/24/2003	10/6/2003	10/18/2003	10/30/2003	11/11/2003	11/11/2003
ANALYSIS DATE		11/5/2003	11/10/2003	11/25/2003	12/10/2003	12/16/2003	12/16/2003
FILE NAME	MDL	V3KE013	V3KJ013	V3KX040	V3LJ008	F3LN024	F3LN025
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	0.29	0.22	0.39	0.19	0.26	0.27
Acetaldehyde	0.013	0.21	0.17	0.21	0.24	0.19	0.19
Acetone	0.012	0.04	0.05	0.05	0.02	0.04	0.04
Propionaldehyde	0.003	0.01	0.003	0.004	0.004	0.005	0.005
Crotonaldehyde	0.004	0.01	0.01	0.01	0.01	0.01	0.01
Butyr/Isobutyraldehyde	0.006	0.03	0.04	0.08	0.07	0.04	0.03
Benzaldehyde	0.001	0.01	0.01	0.01	0.01	0.004	0.004
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.005	0.004	0.001 u	0.002	0.002	0.001
Tolualdehydes	0.003	0.01	0.01	0.003 u	0.01	0.01	0.01
Hexaldehyde	0.001	0.01	0.01	0.01	0.01	0.005	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

Received out of hold time.

* Extracted out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Belle Glade, FL (BGFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36768 D2	36768 R2	36961	37059	37206
SAMPLE DATE		11/11/2003	11/11/2003	11/23/2003	12/5/2003	12/17/2003
ANALYSIS DATE		12/16/2003	12/16/2003	12/31/2003	1/13/2004	1/30/2004
FILE NAME	MDL	F3LN026	F3LN027	V3L\$024	V4AL016	V4A#029
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	0.21	0.22	0.39	0.19	0.21
Acetaldehyde	0.013	0.22	0.23	0.23	0.23	0.19
Acetone	0.012	0.04	0.04	0.04	0.04	0.07
Propionaldehyde	0.003	0.004	0.005	0.003 u	0.004	0.01
Crotonaldehyde	0.004	0.01	0.01	0.01	0.01	0.01
Butyr/Isobutyraldehyde	0.006	0.03	0.03	0.12	0.07	0.06
Benzaldehyde	0.001	0.004	0.004	0.01	0.01	0.01
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.001	0.002	ND	0.003	0.004
Tolualdehydes	0.003	0.02	0.02	0.01	0.01	0.01
Hexaldehyde	0.001	0.01	0.005	0.01	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND

Received out of hold time.

* Extracted out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Belle Glade, FL (BGFL) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	V3CQ020 32094 FB 2/20/2003 3/18/2003	Meets Criteria (Y/N)	F3DP040 32410 FB 3/16/2003 4/17/2003	Meets Criteria (Y/N)	V3GG030 33453 FB 5/27/2003 7/8/2003	Meets Criteria (Y/N)	V3G#014 33910 FB 6/20/2003 7/29/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.04	Y	0.03	Y	0.10	Y	0.03	Y
Acetaldehyde	<0.4	0.07	Y	0.13	Y	0.15	Y	0.10	Y
Acetone	<0.75	0.19	Y	0.24	Y	0.21	Y	0.22	Y
Propionaldehyde		ND		0.01		0.01		0.01	
Crotonaldehyde		0.07		0.18		0.02		0.04	
Butyraldehyde		0.02		0.02		0.08		0.03	
Benzaldehyde		ND		ND		0.02		0.03	
Isovaleraldehyde		0.01		0.01		ND		ND	
Valeraldehyde		0.02		0.02		0.01		0.01	
Tolualdehydes		0.02		0.02		0.05		0.04	
Hexaldehyde		ND		ND		0.03		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.137	Y	0.262	Y	0.223	Y	0.180	Y

Belle Glade, FL (BGFL) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	V3HS010 # 34982 FB 7/26/2003 8/20/2003	Meets Criteria (Y/N)	V3I#027 35479 FB 8/31/2003 9/30/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.06	Y	0.08	Y
Acetaldehyde	<0.4	0.09	Y	0.20	Y
Acetone	<0.75	0.13	Y	0.17	Y
Propionaldehyde		0.00		0.01	
Crotonaldehyde		0.02		0.02	
Butyraldehyde		0.03		0.04	
Benzaldehyde		0.00		ND	
Isovaleraldehyde		ND		ND	
Valeraldehyde		0.00		ND	
Tolualdehydes		ND		0.02	
Hexaldehyde		ND		0.02	
2,5-Dimethylbenzaldehyde		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.059	Y	0.103	Y

Bountiful, UT (BOUT) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31560	31683	31773 D1	31773 R1	31774 D2	31774 R2
SAMPLE DATE		1/15/2003	1/21/2003	1/27/2003	1/27/2003	1/27/2003	1/27/2003
ANALYSIS DATE		2/24/2003	2/26/2003	2/28/2003	3/1/2003	3/1/2003	3/1/2003
FILE NAME	MDL	V3BX012	V3BX052	F3BZ045	F3BZ046	F3BZ047	F3BZ048
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	1.81	3.45	1.63	1.63	1.67	1.66
Acetaldehyde	0.014	0.73	2.63	0.93	0.93	1.02	0.95
Acetone	0.014	1.56	3.16	1.31	1.31	1.51	1.51
Propionaldehyde	0.003	0.05	0.32	0.09	0.09	0.10	0.10
Crotonaldehyde	0.005	0.01	0.02	0.01	0.01	0.01	0.01
Butyr/Isobutyraldehyde	0.007	0.09	0.28	0.10	0.10	0.12	0.11
Benzaldehyde	0.001	0.03	0.11	0.04	0.05	0.05	0.04
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.02	0.05	0.02	0.02	0.02	0.02
Tolualdehydes	0.004	0.02	0.05	0.02	0.02	0.02	0.02
Hexaldehyde	0.002	0.02	0.04	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

Bountiful, UT (BOUT) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31854	31922	31966	32088	32132 D1	32132 R1
SAMPLE DATE		2/2/2003	2/8/2003	2/14/2003	2/20/2003	2/26/2003	2/26/2003
ANALYSIS DATE		3/4/2003	3/11/2003	3/11/2003	3/18/2003	4/1/2003	4/1/2003
FILE NAME	MDL	V3CC035	V3CJ024	F3CJ014	V3CQ012	V3C%021	V3C%022
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	0.66	1.83	1.36	1.23	1.19	1.20
Acetaldehyde	0.014	0.32	2.09	0.92	0.87	0.79	0.79
Acetone	0.014	0.57	1.74	1.53	1.35	1.65	1.65
Propionaldehyde	0.003	0.02	0.27	0.11	0.06	0.08	0.08
Crotonaldehyde	0.005	0.005	0.01	0.01	0.01	0.01	0.01
Butyr/Isobutyraldehyde	0.007	0.05	0.19	0.12	0.08	0.11	0.11
Benzaldehyde	0.001	0.02	0.04	0.05	0.04	0.03	0.04
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.03	0.03	0.02	0.02	0.02
Tolualdehydes	0.004	0.01	0.02	0.03	0.02	0.02	0.02
Hexaldehyde	0.002	0.02	0.02	0.02	0.02	0.03	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

D Diluted value.
ND Not detected.

Bountiful, UT (BOUT) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32134 D2	32134 R2	32225	32289	32444	32479
SAMPLE DATE		2/26/2003	2/26/2003	3/4/2003	3/10/2003	3/16/2003	3/22/2003
ANALYSIS DATE		4/1/2003	4/1/2003	4/7/2003	4/4/2003	4/14/2003	4/30/2003
FILE NAME	MDL	V3C%023	V3C%024	F3DG006	V3DC025	F3DN008	F3D\$009
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	1.25	1.25	1.03	1.22	0.78	1.66
Acetaldehyde	0.014	0.78	0.79	0.53	0.66	0.40	1.72
Acetone	0.014	1.68	1.69	0.88	1.15	0.91	1.69
Propionaldehyde	0.003	0.07	0.08	0.04	0.06	0.03	0.15
Crotonaldehyde	0.005	0.01	0.01	0.02	0.01	0.01	0.03
Butyr/Isobutyraldehyde	0.007	0.11	0.11	0.05	0.08	0.06	0.15
Benzaldehyde	0.001	0.04	0.04	0.03	0.04	0.02	0.36
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.02	0.02	0.01	0.01	0.005	0.03
Tolualdehydes	0.004	0.02	0.02	0.02	0.02	0.02	0.02
Hexaldehyde	0.002	0.03	0.04	0.02	0.02	0.01	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

Bountiful, UT (BOUT) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32522	32616	32692	32770	32890	33068
SAMPLE DATE		3/28/2003	4/3/2003	4/9/2003	4/15/2003	4/21/2003	4/27/2003
ANALYSIS DATE		5/1/2003	VOID	5/16/2003	5/15/2003	5/30/2003	5/21/2003
FILE NAME	MDL	F3D\$018	VOID	V3EO022	V3EO007	V3E#035	V3EU010
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	0.81		1.64	0.76	1.38	1.14
Acetaldehyde	0.014	0.56		1.08	0.41	0.62	0.69
Acetone	0.014	0.98		2.07	0.99	1.63	1.31
Propionaldehyde	0.003	0.04		0.09	0.04	0.05	0.06
Crotonaldehyde	0.005	0.01		0.02	0.02	0.02	0.02
Butyr/Isobutyraldehyde	0.007	0.10		0.09	0.05	0.07	0.09
Benzaldehyde	0.001	0.02		0.05	0.03	0.04	0.04
Isovaleraldehyde	0.002	ND		ND	ND	ND	ND
Valeraldehyde	0.001	0.01		0.02	0.01	0.01	0.02
Tolualdehydes	0.004	0.02		0.03	0.02	0.03	0.03
Hexaldehyde	0.002	0.01		0.03	0.02	0.01	0.02
2,5-Dimethylbenzaldehyde	0.002	ND		ND	ND	ND	ND

Bountiful, UT (BOUT) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		33152	33219	33325 D1	33325 R1	33327 D2	33327 R2
SAMPLE DATE		5/3/2003	5/9/2003	5/15/2003	5/15/2003	5/15/2003	5/15/2003
ANALYSIS DATE		6/4/2003	6/6/2003	6/24/2003	6/24/2003	6/24/2003	6/24/2003
FILE NAME	MDL	F3FC019	F3FE025	V3FX010	V3FX011	V3FX012	V3FX013
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	0.88	0.71	1.53	1.54	1.60	1.58
Acetaldehyde	0.014	0.42	0.29	0.63	0.63	0.66	0.65
Acetone	0.014	1.29	1.18	1.36	1.34	1.41	1.39
Propionaldehyde	0.003	0.02	0.02	0.03	0.04	0.04	0.04
Crotonaldehyde	0.005	0.01	0.01	0.02	0.02	0.02	0.02
Butyr/Isobutyraldehyde	0.007	0.09	0.06	0.04	0.05	0.05	0.05
Benzaldehyde	0.001	0.03	0.03	0.07	0.07	0.06	0.06
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.004	0.01	0.02	0.02	0.02	0.02
Tolualdehydes	0.004	0.03	0.02	0.03	0.05	0.05	0.05
Hexaldehyde	0.002	0.01	0.01	0.02	0.01	0.01	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

Bountiful, UT (BOUT) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		33424	33427	33507	33607	33757	33973
SAMPLE DATE		5/21/2003	5/27/2003	6/2/2003	6/8/2003	6/14/2003	6/20/2003
ANALYSIS DATE		6/30/2003	7/8/2003	7/16/2003	7/16/2003	7/27/2003	7/29/2003
FILE NAME	MDL	V3F\$009	V3GG042	V3GO022	V3GO034	F3GZ024	F3G!028
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	1.36	3.11	2.23	2.44	18.14 D	1.68
Acetaldehyde	0.014	0.81	1.38	1.07	1.55	1.47	0.62
Acetone	0.014	1.77	1.03	1.58	1.57	2.78	1.78
Propionaldehyde	0.003	0.02	0.05	0.06	0.09	0.24	0.02
Crotonaldehyde	0.005	0.01	0.04	0.02	0.09	0.07	0.02
Butyr/Isobutyraldehyde	0.007	0.03	0.06	0.05	0.11	0.22	0.05
Benzaldehyde	0.001	0.05	0.09	0.08	0.04	0.01	0.05
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.03	0.03	0.03	0.03	0.01
Tolualdehydes	0.004	0.03	0.06	0.04	0.03	0.10	0.03
Hexaldehyde	0.002	0.01	0.03	0.02	0.05	0.02	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	0.02	ND

D Diluted value.
ND Not detected.

Bountiful, UT (BOUT) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		34622 D1	34622 R1	34624 D2	34624 R2
SAMPLE DATE		6/26/2003	6/26/2003	6/26/2003	6/26/2003
ANALYSIS DATE		8/8/2003	8/8/2003	8/8/2003	8/8/2003
FILE NAME	MDL	F3HF066	F3HF067	F3HF068	F3HF069
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	4.32	4.36	4.40	4.42
Acetaldehyde	0.014	1.82	1.83	1.91	1.92
Acetone	0.014	1.52	1.54	1.52	1.54
Propionaldehyde	0.003	0.03	0.03	0.03	0.04
Crotonaldehyde	0.005	0.14	0.14	0.14	0.14
Butyr/Isobutyraldehyde	0.007	0.07	0.08	0.08	0.08
Benzaldehyde	0.001	0.08	0.08	0.08	0.08
Isovaleraldehyde	0.002	ND	ND	ND	ND
Valeraldehyde	0.001	0.04	0.05	0.06	0.05
Tolualdehydes	0.004	0.07	0.11	0.10	0.10
Hexaldehyde	0.002	0.09	0.10	0.10	0.08
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND

Bountiful, UT (BOUT) UATMP 2003 Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3BX011	Meets	V3BX049	Meets	V3CC036	Meets	V3CQ013	Meets
FB ID	Criteria	31559 FB	Criteria	31682 FB	Criteria	31853 FB	Criteria	32087 FB	Criteria
Sample date	per	1/15/2003		1/21/2003		2/2/2003		2/20/2003	
Date Analyzed	QAPP	2/24/2003	(Y/N)	2/25/2003	(Y/N)	3/4/2003	(Y/N)	3/18/2003	(Y/N)
Formaldehyde	<0.3	0.217	Y	0.055	Y	0.021	Y	0.058	Y
Acetaldehyde	<0.4	0.115	Y	0.088	Y	0.083	Y	0.068	Y
Acetone	<0.75	ND	Y	0.244	Y	ND	Y	0.216	Y
Propionaldehyde		0.013		ND		0.009		ND	
Crotonaldehyde		ND		0.010		0.009		ND	
Butyraldehyde		0.059		0.057		0.083		0.064	
Benzaldehyde		0.012		0.019		0.021		0.018	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.011		0.008		ND		0.010	
Tolualdehydes		0.043		0.030		0.023		0.014	
Hexaldehyde		0.035		0.026		0.028		0.026	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.171	Y	0.149	Y	0.172	Y	0.131	Y

Bountiful, UT (BOUT) UATMP 2003 Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3DC026	Meets	F3DN009	Meets	V3EO008	Meets	V3E#034	Meets
FB ID	Criteria	32288 FB	Criteria	32443 FB	Criteria	32769 FB	Criteria	32889 FB	Criteria
Sample date	per	3/10/2003		3/16/2003		4/15/2003		4/21/2003	
Date Analyzed	QAPP	4/4/2003	(Y/N)	4/14/2003	(Y/N)	5/15/2003	(Y/N)	5/30/2003	(Y/N)
Formaldehyde	<0.3	0.061	Y	0.033	Y	0.012	Y	0.026	Y
Acetaldehyde	<0.4	0.086	Y	0.041	Y	0.055	Y	0.037	Y
Acetone	<0.75	ND	Y	0.128	Y	ND	Y	0.137	Y
Propionaldehyde		0.007		ND		0.004		0.007	
Crotonaldehyde		0.010		ND		0.016		0.015	
Butyraldehyde		0.091		0.101		0.056		0.092	
Benzaldehyde		0.024		0.031		0.015		0.015	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.008		ND		ND		0.004	
Tolualdehydes		0.022		0.064		0.046		0.041	
Hexaldehyde		0.034		0.014		0.012		0.015	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.195	Y	0.209	Y	0.149	Y	0.188	Y

Bountiful, UT (BOUT) UATMP 2003 Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	F3FE026	Meets	V3GG043	Meets	F3GZ025	Meets	F3GI029	Meets
FB ID	Criteria	33218 FB	Criteria	33426 FB	Criteria	33756 FB	Criteria	33972 FB	Criteria
Sample date	per	5/9/2003		5/27/2003		6/14/2003		6/20/2003	
Date Analyzed	QAPP	6/6/2003	(Y/N)	7/8/2003	(Y/N)	7/27/2003	(Y/N)	7/29/2003	(Y/N)
Formaldehyde	<0.3	0.029	Y	0.068	Y	0.081	Y	0.093	Y
Acetaldehyde	<0.4	0.050	Y	0.147	Y	0.113	Y	0.191	Y
Acetone	<0.75	ND	Y	0.149	Y	ND	Y	0.225	Y
Propionaldehyde		0.007		0.013		0.011		0.018	
Crotonaldehyde		0.019		0.017		0.018		0.015	
Butyraldehyde		0.210		0.094		0.277		0.191	
Benzaldehyde		0.011		0.017		0.012		0.021	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.005		0.013		0.006		0.013	
Tolualdehydes		0.035		0.140		0.026		0.033	
Hexaldehyde		0.011		0.019		0.020		0.016	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.297	Y	0.311	Y	0.368	Y	0.307	Y

Bonne Terre, MO (BTMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31515	#31516	31638	31640	31729 D1	31729 R1
SAMPLE DATE		1/3/2003	1/9/2003	1/15/2003	1/21/2003	1/27/2003	1/27/2003
ANALYSIS DATE		2/6/2003	2/6/2003	2/25/2003	2/25/2003	4/9/2003	4/9/2003
FILE NAME	MDL	V3BE042	V3BE041	V3BX036	V3BX038	F3DI004	F3DI005
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	1.46	1.91	2.31	2.01	1.89	1.89
Acetaldehyde	0.014	1.01	1.14	1.23	1.26	0.95	0.96
Acetone	0.014	0.49	0.84	0.63	0.49	0.67	0.67
Propionaldehyde	0.003	0.06	0.05	0.03	0.02	0.03	0.03
Crotonaldehyde	0.005	0.005 u	0.004 u	0.004 u	0.005 u	0.003 u	0.004 u
Butyr/Isobutyraldehyde	0.007	0.07	0.06	0.03	0.03	0.04	0.04
Benzaldehyde	0.001	0.01	0.01	0.01	0.01	0.01	0.01
Isovaleraldehyde	0.002	0.005	0.003	ND	ND	ND	ND
Valeraldehyde	0.001	0.03	0.02	0.01	0.01	0.01	0.01
Tolualdehydes	0.004	0.01	0.01	0.01	0.01	0.01	0.01
Hexaldehyde	0.002	0.02	0.02	0.01	0.01	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

Insulation over primary sample substrate missing during sampling.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Bonne Terre, MO (BTMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31730 D2	31730 R1	31817	31885	31958	32055
SAMPLE DATE		1/27/2003	1/27/2003	2/2/2003	2/8/2003	2/14/2003	2/20/2003
ANALYSIS DATE		4/9/2003	4/9/2003	3/3/2003	3/11/2003	3/11/2003	3/12/2003
FILE NAME	MDL	F3DI006	F3DI007	V3CC011	V3CJ020	F3CJ020	V3CL008
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	2.03	2.03	3.68	2.00	1.77	1.33
Acetaldehyde	0.014	0.95	0.95	1.63	0.72	0.97	1.02
Acetone	0.014	0.65	0.65	1.10	0.57	0.46	0.62
Propionaldehyde	0.003	0.02	0.02	0.03	0.01	0.02	0.02
Crotonaldehyde	0.005	0.002 u	0.002 u	0.004 u	0.004 u	0.01	0.004 u
Butyr/Isobutyraldehyde	0.007	0.04	0.04	0.05	0.03	0.06	0.03
Benzaldehyde	0.001	0.01	0.01	0.01	0.01	0.01	0.01
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.01	0.01	0.01	0.01
Tolualdehydes	0.004	0.01	0.01	0.01	0.01	0.004	0.01
Hexaldehyde	0.002	0.01	0.01	0.02	0.01	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

Insulation over primary sample substrate missing during sampling.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Bonne Terre, MO (BTMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32144 D1	32144 R1	32146 D2	32146 R2	32173	32260
SAMPLE DATE		2/26/2003	2/26/2003	2/26/2003	2/26/2003	3/4/2003	3/10/2003
ANALYSIS DATE		3/31/2003	3/31/2003	3/31/2003	3/31/2003	4/4/2003	4/10/2003
FILE NAME	MDL	V3C%011	V3C%012	V3C%013	V3C%014	F3DC016	F3DJ019
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	2.01	2.02	1.82	1.82	2.34	2.00
Acetaldehyde	0.014	1.53	1.54	1.11	1.12	0.97	0.76
Acetone	0.014	0.82	0.82	0.82	0.81	1.08	0.46
Propionaldehyde	0.003	0.03	0.03	0.03	0.03	0.02	0.01
Crotonaldehyde	0.005	0.004 u	0.004 u	0.004 u	0.004 u	0.01	0.03
Butyr/Isobutyraldehyde	0.007	0.06	0.05	0.04	0.04	0.02	0.05
Benzaldehyde	0.001	0.01	0.01	0.01	0.01	0.01	0.005
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.01	0.01	0.004	ND
Tolualdehydes	0.004	0.01	0.01	0.01	0.01	0.01	0.02
Hexaldehyde	0.002	0.02	0.02	0.02	0.02	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

Insulation over primary sample substrate missing during sampling.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Bonne Terre, MO (BTMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32372	32462	32502	32620	32636	32752
SAMPLE DATE		3/16/2003	3/22/2003	3/28/2003	4/3/2003	4/9/2003	4/15/2003
ANALYSIS DATE		4/15/2003	4/17/2003	4/30/2003	5/7/2003	VOID	5/15/2003
FILE NAME	MDL	F3DN019	F3DP046	F3D\$011	F3EF032	VOID	F3EO011
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	3.45	2.74	1.99	3.93		5.48
Acetaldehyde	0.014	1.33	1.04	0.70	1.01		0.69
Acetone	0.014	0.57	0.54	0.41	0.26		0.57
Propionaldehyde	0.003	0.02	0.02	0.01	0.02		0.01
Crotonaldehyde	0.005	0.01	0.005 u	0.01	0.02		0.01
Butyr/Isobutyraldehyde	0.007	0.07	0.09	0.08	0.08		0.10
Benzaldehyde	0.001	0.01	0.01	0.01	0.01		0.005
Isovaleraldehyde	0.002	ND	ND	ND	ND		ND
Valeraldehyde	0.001	0.01	0.01	0.01	0.03		0.01
Tolualdehydes	0.004	0.01	0.02	0.004	0.01		0.01
Hexaldehyde	0.002	0.01	0.01	0.01	0.01		0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND		ND

Insulation over primary sample substrate missing during sampling.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Bonne Terre, MO (BTMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32820	32998	33090	33574	*33694	33917
SAMPLE DATE		4/21/2003	4/27/2003	5/3/2003	6/8/2003	6/14/2003	6/20/2003
ANALYSIS DATE		5/20/2003	5/22/2003	6/3/2003	7/16/2003	7/25/2003	7/28/2003
FILE NAME	MDL	F3ES024	V3EU016	F3FC010	V3GO036	F3GX017	F3GI023
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	2.71	4.28	3.04	3.07	4.64	4.14
Acetaldehyde	0.014	0.51	0.77	0.73	0.94	2.14	1.25
Acetone	0.014	0.38	0.42	0.54	0.40	0.39	0.26
Propionaldehyde	0.003	0.01	0.03	0.02	0.05	0.04	0.03
Crotonaldehyde	0.005	0.01	0.01	0.01	0.05	0.09	0.03
Butyr/Isobutyraldehyde	0.007	0.10	0.07	0.09	0.04	0.08	0.05
Benzaldehyde	0.001	0.01	0.01	0.01	0.02	0.03	0.01
Isovaleraldehyde	0.002	ND	0.01	ND	0.001 u	ND	ND
Valeraldehyde	0.001	0.005	0.01	0.01	0.01	0.01	0.005
Tolualdehydes	0.004	0.01	0.02	0.01	0.02	0.03	0.01
Hexaldehyde	0.002	0.01	0.01	0.01	0.01	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	0.001 u	0.002

Insulation over primary sample substrate missing during sampling.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Bonne Terre, MO (BTMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		34127 D1	34127 R1	34129 D2	34129 R2	34192	34260
SAMPLE DATE		6/26/2003	6/26/2003	6/26/2003	6/26/2003	7/2/2003	7/8/2003
ANALYSIS DATE		7/30/2003	7/30/2003	7/30/2003	7/30/2003	8/7/2003	8/14/2003
FILE NAME	MDL	F3G\$011	F3G\$012	F3G\$013	F3G\$014	F3HF041	F3HN018
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	3.03	3.01	3.23	3.29	4.98	6.00
Acetaldehyde	0.014	1.64	1.64	1.82	1.84	1.09	1.28
Acetone	0.014	0.31	0.31	0.40	0.41	0.28	0.33
Propionaldehyde	0.003	0.03	0.03	0.04	0.03	0.06	0.09
Crotonaldehyde	0.005	0.10	0.11	0.13	0.13	0.41	0.77
Butyr/Isobutyraldehyde	0.007	0.05	0.07	0.06	0.07	0.04	0.04
Benzaldehyde	0.001	0.02	0.02	0.02	0.02	0.03	0.04
Isovaleraldehyde	0.002	ND	ND	ND	ND	0.01	ND
Valeraldehyde	0.001	0.004	0.01	0.01	0.01	0.01	0.01
Tolualdehydes	0.004	0.02	0.01	0.02	0.02	0.05	0.11
Hexaldehyde	0.002	0.01	0.01	0.01	0.01	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

Insulation over primary sample substrate missing during sampling.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Bonne Terre, MO (BTMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		34319	34528	34720	34765	34930	35086
SAMPLE DATE		7/14/2003	7/20/2003	7/26/2003	8/1/2003	8/7/2003	8/13/2003
ANALYSIS DATE		8/14/2003	8/8/2003	8/28/2003	9/4/2003	8/20/2003	9/9/2003
FILE NAME	MDL	F3HM024	F3HF059	F3H~026	V3IC022	V3HS019	F3II018
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	7.21	6.90	7.33	7.04	5.48	4.25
Acetaldehyde	0.014	1.30	1.46	1.57	1.03	0.98	0.95
Acetone	0.014	0.31	0.30	0.38	0.33	0.33	0.32
Propionaldehyde	0.003	0.07	0.07	0.06	0.05	0.05	0.05
Crotonaldehyde	0.005	0.29	0.71	0.37	0.33	0.11	0.07
Butyr/Isobutyraldehyde	0.007	0.04	0.03	0.03	0.02	0.03	0.06
Benzaldehyde	0.001	0.03	0.03	0.02	0.12	0.02	0.02
Isovaleraldehyde	0.002	ND	ND	ND	ND	0.004	ND
Valeraldehyde	0.001	0.02	0.01	0.02	0.01	0.01	0.01
Tolualdehydes	0.004	0.03	0.10	0.04	0.03	0.02	0.01
Hexaldehyde	0.002	0.01	0.01	0.01	0.01	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	0.01	ND	ND	ND	ND	ND

Insulation over primary sample substrate missing during sampling.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Bonne Terre, MO (BTMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		35170	35331 D1	35331 R1	35333 D2	35333 R2	35540
SAMPLE DATE		8/19/2003	8/25/2003	8/25/2003	8/25/2003	8/25/2003	8/31/2003
ANALYSIS DATE		9/22/2003	9/26/2003	9/26/2003	9/26/2003	9/26/2003	9/29/2003
FILE NAME	MDL	F3IV012	F3IY038	F3IY039	F3IY040	F3IY041	F3I#009
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	6.59	8.31	8.27	8.96	8.89	2.96
Acetaldehyde	0.014	1.25	1.89	1.88	2.25	2.23	0.98
Acetone	0.014	0.28	0.44	0.44	0.59	0.59	0.23
Propionaldehyde	0.003	0.09	0.13	0.12	0.13	0.12	0.05
Crotonaldehyde	0.005	0.36	0.56	0.55	0.73	0.74	0.35
Butyr/Isobutyraldehyde	0.007	0.07	0.07	0.06	0.06	0.06	0.06
Benzaldehyde	0.001	0.04	0.04	0.03	0.04	0.04	0.03
Isovaleraldehyde	0.002	0.02	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.02	0.02	0.01	0.02	0.02	0.01
Tolualdehydes	0.004	0.05	0.06	0.05	0.19	0.18	0.05
Hexaldehyde	0.002	0.01	0.02	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	0.01	ND	ND	ND	ND	ND

Insulation over primary sample substrate missing during sampling.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Bonne Terre, MO (BTMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		35542	35688	35830	35984	36018	36109
SAMPLE DATE		9/6/2003	9/12/2003	9/18/2003	9/24/2003	9/30/2003	10/6/2003
ANALYSIS DATE		10/15/2003	10/16/2003	10/28/2003	11/4/2003	11/4/2003	11/4/2003
FILE NAME	MDL	V3JO020	F3JO016	F3J!009	F3KC025	V3KC028	V3KC032
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	3.52	4.34	5.67	6.01	1.44	2.47
Acetaldehyde	0.014	0.82	1.16	1.25	1.37	0.73	1.13
Acetone	0.014	0.59	0.39	0.51	0.53	0.42	0.53
Propionaldehyde	0.003	0.04	0.04	0.04	0.04	0.04	0.11
Crotonaldehyde	0.005	0.05	0.06	0.09	0.09	0.03	0.08
Butyr/Isobutyraldehyde	0.007	0.08	0.03	0.03	0.04	0.06	0.09
Benzaldehyde	0.001	0.02	0.02	0.02	0.01	0.02	0.02
Isovaleraldehyde	0.002	0.002	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.01	0.003	0.01	0.03
Tolualdehydes	0.004	0.03	0.02	0.03	0.03	0.03	0.02
Hexaldehyde	0.002	0.01	0.01	0.01	0.01	0.02	0.03
2,5-Dimethylbenzaldehyde	0.002	0.003	ND	ND	0.01	ND	ND

Insulation over primary sample substrate missing during sampling.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Bonne Terre, MO (BTMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36211	36270	36396 D1	36396 R1	36398 D2	36398 R2
SAMPLE DATE		10/12/2003	10/18/2003	10/24/2003	10/24/2003	10/24/2003	10/24/2003
ANALYSIS DATE		11/21/2003	11/25/2003	11/18/2003	11/18/2003	11/18/2003	11/18/2003
FILE NAME	MDL	V3KT022	V3KX021	V3KQ032	V3KQ033	V3KQ034	V3KQ035
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	2.44	2.74	5.27	5.27	5.49	5.47
Acetaldehyde	0.014	1.18	1.13	2.13	2.13	2.23	2.23
Acetone	0.014	0.64	0.91	0.67	0.67	1.11	1.11
Propionaldehyde	0.003	0.06	0.04	0.07	0.07	0.07	0.07
Crotonaldehyde	0.005	0.02	0.02	0.02	0.02	0.02	0.02
Butyr/Isobutyraldehyde	0.007	0.09	0.09	0.08	0.09	0.11	0.11
Benzaldehyde	0.001	0.02	0.02	0.02	0.02	0.02	0.02
Isovaleraldehyde	0.002	0.003	0.003	0.001 u	0.002	0.002	0.004
Valeraldehyde	0.001	0.02	0.01	0.01	0.01	0.01	0.01
Tolualdehydes	0.004	0.01	0.02	0.04	0.04	0.03	0.03
Hexaldehyde	0.002	0.02	0.01	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	0.01	0.01	0.004	ND	ND

Insulation over primary sample substrate missing during sampling.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Bonne Terre, MO (BTMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36524	36599	36626	36680	36849	36937
SAMPLE DATE		10/30/2003	11/5/2003	11/11/2003	11/17/2003	11/23/2003	11/29/2003
ANALYSIS DATE		12/11/2003	12/16/2003	12/15/2003	12/28/2003	VOID	12/31/2003
FILE NAME	MDL	V3LJ024	V3LN021	F3LN018	F3L!014	VOID	F3L%008
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	4.83	1.17	2.70	1.70		2.46
Acetaldehyde	0.014	1.32	0.69	1.29	0.86		0.59
Acetone	0.014	0.37	0.58	0.42	0.23		0.52
Propionaldehyde	0.003	0.03	0.04	0.09	0.05		0.01
Crotonaldehyde	0.005	0.01	0.02	0.04	0.02		0.01
Butyr/Isobutyraldehyde	0.007	0.10	0.14	0.08	0.05		0.05
Benzaldehyde	0.001	0.01	0.02	0.02	0.02		0.01
Isovaleraldehyde	0.002	ND	ND	ND	ND		ND
Valeraldehyde	0.001	0.004	0.01	0.01	0.01		0.002
Tolualdehydes	0.004	0.03	0.02	0.03	0.01		0.02
Hexaldehyde	0.002	0.01	0.01	0.01	0.01		0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND		ND

Insulation over primary sample substrate missing during sampling.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Bonne Terre, MO (BTMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		37040	37159	37264	37314	37266
SAMPLE DATE		12/5/2003	12/11/2003	12/17/2003	12/23/2003	12/29/2003
ANALYSIS DATE		1/11/2004	1/23/2004	1/30/2004	2/4/2004	2/5/2004
FILE NAME	MDL	V4AK013	V4AV035	V4A#027	V4BB051	V4BD024
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	1.27	1.78	1.78	1.18	1.47
Acetaldehyde	0.014	0.72	0.49	0.61	0.44	0.48
Acetone	0.014	0.69	0.47	0.51	0.49	0.45
Propionaldehyde	0.003	0.04	0.01	0.02	0.01	0.01
Crotonaldehyde	0.005	0.02	0.01	0.01	0.01	0.01
Butyr/Isobutyraldehyde	0.007	0.09	0.04	0.08	0.03	0.03
Benzaldehyde	0.001	0.02	0.01	0.01	0.01	0.01
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.005	0.01	0.005	0.004
Tolualdehydes	0.004	0.03	0.02	0.02	0.01	0.01
Hexaldehyde	0.002	0.01	0.01	0.01	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND

Insulation over primary sample substrate missing during sampling.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Bonne Terre, MO (BTMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	31515	#31516	31638	31640	31729 D1	31729 R1
SAMPLE DATE	1/3/2003	1/9/2003	1/15/2003	1/21/2003	1/27/2003	1/27/2003
ANALYSIS DATE	2/6/2003	2/6/2003	2/25/2003	2/25/2003	3/4/2003	3/4/2003
FILE NAME	V3BE042	V3BE041	V3BX036	V3BX038	V3CC045	V3CC046
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	1.80	2.36	2.85	2.47	2.28	2.28
Acetaldehyde	1.82	2.05	2.22	2.27	1.75	1.77
Acetone	1.16	2.00	1.50	1.16	1.67	1.67
Propionaldehyde	0.13	0.11	0.08	0.04	0.06	0.06
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.22	0.17	0.09	0.10	0.11	0.11
Benzaldehyde	0.05	0.04	0.05	0.04	0.04	0.03
Isovaleraldehyde	0.02	0.01	ND	ND	ND	ND
Valeraldehyde	0.10	0.08	0.05	0.04	0.03	0.03
Tolualdehydes	0.05	0.05	0.04	0.04	0.06	0.06
Hexaldehyde	0.09	0.08	0.06	0.05	0.06	0.05
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

Insulation over primary sample substrate missing during sampling.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Bonne Terre, MO (BTMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	31730 D2	31730 R2	31817	31885	31958	32055
SAMPLE DATE	1/27/2003	1/27/2003	2/2/2003	2/8/2003	2/14/2003	2/20/2003
ANALYSIS DATE	3/4/2003	3/4/2003	3/3/2003	3/11/2003	3/11/2003	3/12/2003
FILE NAME	V3CC047	V3CC048	V3CC011	V3CJ020	F3CJ020	V3CL008
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	2.44	2.45	4.54	2.47	2.18	1.64
Acetaldehyde	1.74	1.73	2.94	1.30	1.74	1.85
Acetone	1.64	1.64	2.61	1.35	1.10	1.47
Propionaldehyde	0.05	0.05	0.07	0.03	0.04	0.05
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.01 u	0.03	0.01 u
Butyr/Isobutyraldehyde	0.10	0.11	0.14	0.08	0.18	0.10
Benzaldehyde	0.04	0.04	0.03	0.04	0.04	0.04
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.03	0.03	0.02	0.02	0.02
Tolualdehydes	0.05	0.07	0.07	0.04	0.02	0.05
Hexaldehyde	0.07	0.09	0.07	0.05	0.05	0.05
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

Insulation over primary sample substrate missing during sampling.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Bonne Terre, MO (BTMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	32144 D1	32144 R1	32146 D2	32146 R2	32173	32260
SAMPLE DATE	2/26/2003	2/26/2003	2/26/2003	2/26/2003	3/4/2003	3/10/2003
ANALYSIS DATE	3/31/2003	3/31/2003	3/31/2003	3/31/2003	4/4/2003	4/10/2003
FILE NAME	V3C%011	V3C%012	V3C%013	V3C%014	F3DC016	F3DJ019
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	2.48	2.49	2.25	2.25	2.88	2.46
Acetaldehyde	2.77	2.79	2.00	2.02	1.76	1.36
Acetone	1.96	1.96	1.95	1.93	2.58	1.10
Propionaldehyde	0.07	0.07	0.07	0.06	0.04	0.02
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.01 u	0.02	0.08
Butyr/Isobutyraldehyde	0.17	0.14	0.12	0.13	0.07	0.15
Benzaldehyde	0.05	0.05	0.05	0.05	0.03	0.02
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.02	0.03	0.03	0.01	ND
Tolualdehydes	0.06	0.07	0.04	0.04	0.03	0.11
Hexaldehyde	0.08	0.07	0.09	0.07	0.04	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

Insulation over primary sample substrate missing during sampling.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Bonne Terre, MO (BTMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	32372	32462	32502	32620	32636	32752
SAMPLE DATE	3/16/2003	3/22/2003	3/28/2003	4/3/2003	4/9/2003	4/15/2003
ANALYSIS DATE	4/15/2003	4/17/2003	4/30/2003	5/7/2003	VOID	5/15/2003
FILE NAME	F3DN019	F3DP046	F3D\$011	F3EF032	VOID	F3EO011
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	4.26	3.38	2.45	4.84		6.76
Acetaldehyde	2.40	1.88	1.26	1.82		1.25
Acetone	1.36	1.29	0.97	0.61		1.36
Propionaldehyde	0.05	0.04	0.03	0.04		0.03
Crotonaldehyde	0.02	0.01 u	0.02	0.05		0.02
Butyr/Isobutyraldehyde	0.21	0.27	0.25	0.23		0.29
Benzaldehyde	0.03	0.05	0.03	0.03		0.02
Isovaleraldehyde	ND	ND	ND	ND		ND
Valeraldehyde	0.02	0.02	0.03	0.10		0.03
Tolualdehydes	0.04	0.08	0.02	0.04		0.07
Hexaldehyde	0.04	0.05	0.04	0.04		0.04
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND		ND

Insulation over primary sample substrate missing during sampling.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Bonne Terre, MO (BTMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	32820	32998	33090	33574	*33694	33917
SAMPLE DATE	4/21/2003	4/27/2003	5/3/2003	6/8/2003	6/14/2003	6/20/2003
ANALYSIS DATE	5/20/2003	5/22/2003	6/3/2003	7/16/2003	7/25/2003	7/28/2003
FILE NAME	F3ES024	V3EU016	F3FC010	V3GO036	F3GX017	F3G!023
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	3.34	5.28	3.75	3.78	5.72	5.10
Acetaldehyde	0.92	1.39	1.31	1.70	3.87	2.26
Acetone	0.90	1.01	1.29	0.96	0.92	0.62
Propionaldehyde	0.03	0.08	0.05	0.12	0.09	0.07
Crotonaldehyde	0.03	0.03	0.03	0.15	0.24	0.09
Butyr/Isobutyraldehyde	0.30	0.20	0.26	0.13	0.24	0.15
Benzaldehyde	0.03	0.06	0.06	0.09	0.12	0.05
Isovaleraldehyde	ND	0.02	ND	0.003 u	ND	ND
Valeraldehyde	0.02	0.03	0.02	0.03	0.03	0.02
Tolualdehydes	0.04	0.11	0.06	0.08	0.13	0.06
Hexaldehyde	0.04	0.05	0.05	0.04	0.05	0.04
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	0.01 u	0.01

Insulation over primary sample substrate missing during sampling.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Bonne Terre, MO (BTMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	34127 D1	34127 R1	34129 D2	34129 R2	34192	34260
SAMPLE DATE	6/26/2003	6/26/2003	6/26/2003	6/26/2003	7/2/2003	7/8/2003
ANALYSIS DATE	7/30/2003	7/30/2003	7/30/2003	7/30/2003	8/7/2003	8/14/2003
FILE NAME	F3G\$011	F3G\$012	F3G\$013	F3G\$014	F3HF041	F3HN018
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	3.73	3.71	3.99	4.05	6.14	7.40
Acetaldehyde	2.97	2.96	3.28	3.32	1.96	2.31
Acetone	0.75	0.75	0.96	0.97	0.66	0.78
Propionaldehyde	0.07	0.08	0.10	0.07	0.15	0.21
Crotonaldehyde	0.29	0.31	0.38	0.38	1.18	2.21
Butyr/Isobutyraldehyde	0.16	0.20	0.19	0.20	0.12	0.10
Benzaldehyde	0.09	0.07	0.09	0.08	0.11	0.18
Isovaleraldehyde	ND	ND	ND	ND	0.03	ND
Valeraldehyde	0.02	0.02	0.02	0.02	0.03	0.05
Tolualdehydes	0.10	0.07	0.11	0.08	0.22	0.54
Hexaldehyde	0.04	0.04	0.05	0.05	0.05	0.04
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

Insulation over primary sample substrate missing during sampling.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Bonne Terre, MO (BTMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	34319	34528	34720	34765	34930	35086
SAMPLE DATE	7/14/2003	7/20/2003	7/26/2003	8/1/2003	8/7/2003	8/13/2003
ANALYSIS DATE	8/14/2003	8/8/2003	8/28/2003	9/4/2003	8/20/2003	9/9/2003
FILE NAME	F3HM024	F3HF059	F3H~026	V3IC022	V3HS019	F3II018
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	8.89	8.51	9.04	8.68	6.76	5.24
Acetaldehyde	2.35	2.64	2.84	1.87	1.77	1.72
Acetone	0.73	0.72	0.91	0.80	0.78	0.76
Propionaldehyde	0.17	0.18	0.15	0.12	0.11	0.12
Crotonaldehyde	0.83	2.05	1.07	0.95	0.30	0.21
Butyr/Isobutyraldehyde	0.13	0.08	0.08	0.06	0.09	0.19
Benzaldehyde	0.12	0.12	0.10	0.51	0.08	0.08
Isovaleraldehyde	ND	ND	ND	ND	0.02	ND
Valeraldehyde	0.07	0.03	0.07	0.03	0.03	0.04
Tolualdehydes	0.14	0.51	0.20	0.14	0.07	0.07
Hexaldehyde	0.04	0.05	0.04	0.03	0.04	0.06
2,5-Dimethylbenzaldehyde	0.07	ND	ND	ND	ND	ND

Insulation over primary sample substrate missing during sampling.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Bonne Terre, MO (BTMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	35170	35331 D1	35331 R1	35333 D2	35333 R2	35540
SAMPLE DATE	8/19/2003	8/25/2003	8/25/2003	8/25/2003	8/25/2003	8/31/2003
ANALYSIS DATE	9/22/2003	9/26/2003	9/26/2003	9/26/2003	9/26/2003	9/29/2003
FILE NAME	F3IV012	F3IY038	F3IY039	F3IY040	F3IY041	F3I#009
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	8.13	10.25	10.20	11.04	10.96	3.65
Acetaldehyde	2.26	3.42	3.39	4.06	4.03	1.77
Acetone	0.67	1.06	1.05	1.40	1.39	0.54
Propionaldehyde	0.23	0.30	0.29	0.30	0.28	0.13
Crotonaldehyde	1.04	1.62	1.58	2.11	2.12	1.01
Butyr/Isobutyraldehyde	0.20	0.21	0.16	0.17	0.19	0.17
Benzaldehyde	0.18	0.15	0.12	0.17	0.17	0.15
Isovaleraldehyde	0.06	ND	ND	ND	ND	ND
Valeraldehyde	0.05	0.08	0.05	0.07	0.06	0.03
Tolualdehydes	0.23	0.31	0.26	0.92	0.87	0.24
Hexaldehyde	0.05	0.09	0.10	0.09	0.06	0.07
2,5-Dimethylbenzaldehyde	0.05	ND	ND	ND	ND	ND

Insulation over primary sample substrate missing during sampling.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Bonne Terre, MO (BTMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	35542	35688	35830	35984	36018	36109
SAMPLE DATE	9/6/2003	9/12/2003	9/18/2003	9/24/2003	9/30/2003	10/6/2003
ANALYSIS DATE	10/15/2003	10/16/2003	10/28/2003	11/4/2003	11/4/2003	11/4/2003
FILE NAME	V3JO020	F3JO016	F3JI009	F3KC025	V3KC028	V3KC032
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	4.34	5.35	6.99	7.41	1.77	3.05
Acetaldehyde	1.47	2.09	2.26	2.48	1.31	2.04
Acetone	1.40	0.94	1.21	1.26	1.01	1.26
Propionaldehyde	0.08	0.10	0.09	0.10	0.10	0.25
Crotonaldehyde	0.14	0.17	0.25	0.26	0.09	0.24
Butyr/Isobutyraldehyde	0.22	0.09	0.09	0.13	0.17	0.27
Benzaldehyde	0.09	0.08	0.07	0.06	0.08	0.11
Isovaleraldehyde	0.01	ND	ND	ND	ND	ND
Valeraldehyde	0.04	0.02	0.04	0.01	0.04	0.11
Tolualdehydes	0.13	0.11	0.16	0.15	0.13	0.08
Hexaldehyde	0.06	0.06	0.05	0.06	0.07	0.12
2,5-Dimethylbenzaldehyde	0.02	ND	ND	0.05	ND	ND

Insulation over primary sample substrate missing during sampling.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Bonne Terre, MO (BTMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	36211	36270	36396 D1	36396 R1	36398 D2	36398 R2
SAMPLE DATE	10/12/2003	10/18/2003	10/24/2003	10/24/2003	10/24/2003	10/24/2003
ANALYSIS DATE	11/21/2003	11/25/2003	11/18/2003	11/18/2003	11/18/2003	11/18/2003
FILE NAME	V3KT022	V3KX021	V3KQ032	V3KQ033	V3KQ034	V3KQ035
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	3.01	3.37	6.50	6.50	6.77	6.74
Acetaldehyde	2.12	2.03	3.84	3.84	4.02	4.02
Acetone	1.53	2.17	1.59	1.59	2.64	2.65
Propionaldehyde	0.14	0.09	0.17	0.16	0.16	0.16
Crotonaldehyde	0.06	0.05	0.05	0.06	0.07	0.06
Butyr/Isobutyraldehyde	0.26	0.26	0.23	0.26	0.32	0.31
Benzaldehyde	0.08	0.07	0.07	0.08	0.09	0.10
Isovaleraldehyde	0.01	0.01	0.004 u	0.01	0.01	0.02
Valeraldehyde	0.06	0.03	0.04	0.04	0.04	0.04
Tolualdehydes	0.07	0.10	0.19	0.19	0.14	0.14
Hexaldehyde	0.08	0.05	0.09	0.09	0.08	0.07
2,5-Dimethylbenzaldehyde	ND	0.03	0.03	0.02	ND	ND

Insulation over primary sample substrate missing during sampling.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Bonne Terre, MO (BTMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	36524	36599	36626	36680	36849	36937
SAMPLE DATE	10/30/2003	11/5/2003	11/11/2003	11/17/2003	11/23/2003	11/29/2003
ANALYSIS DATE	12/11/2003	12/16/2003	12/15/2003	12/28/2003	VOID	12/31/2003
FILE NAME	V3LJ024	V3LN021	F3LN018	F3L!014	VOID	F3L%008
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	5.95	1.44	3.33	2.10		3.04
Acetaldehyde	2.39	1.25	2.32	1.55		1.06
Acetone	0.89	1.37	1.00	0.55		1.25
Propionaldehyde	0.07	0.10	0.22	0.12		0.03
Crotonaldehyde	0.03	0.06	0.12	0.05		0.02
Butyr/Isobutyraldehyde	0.29	0.42	0.23	0.16		0.16
Benzaldehyde	0.03	0.08	0.09	0.07		0.03
Isovaleraldehyde	ND	ND	ND	ND		ND
Valeraldehyde	0.01	0.02	0.03	0.02		0.01
Tolualdehydes	0.15	0.09	0.12	0.07		0.09
Hexaldehyde	0.04	0.05	0.06	0.05		0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND		ND

Insulation over primary sample substrate missing during sampling.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Bonne Terre, MO (BTMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	37040	37159	37264	37314	37266
SAMPLE DATE	12/5/2003	12/11/2003	12/17/2003	12/23/2003	12/29/2003
ANALYSIS DATE	1/11/2004	1/23/2004	1/30/2004	2/4/2004	2/5/2004
FILE NAME	V4AK013	V4AV035	V4A#027	V4BB051	V4BD024
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	1.57	2.20	2.20	1.45	1.81
Acetaldehyde	1.30	0.88	1.10	0.80	0.86
Acetone	1.65	1.12	1.22	1.15	1.07
Propionaldehyde	0.08	0.03	0.05	0.03	0.03
Crotonaldehyde	0.05	0.03	0.03	0.02	0.02
Butyr/Isobutyraldehyde	0.26	0.11	0.22	0.10	0.09
Benzaldehyde	0.07	0.05	0.05	0.05	0.05
Isovaleraldehyde	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.02	0.02	0.02	0.01
Tolualdehydes	0.12	0.10	0.08	0.05	0.07
Hexaldehyde	0.05	0.05	0.05	0.04	0.05
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND

Insulation over primary sample substrate missing during sampling.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Bonne Terre, MO (BTMO) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3BX035	Meets	V3BX037	Meets	V3CC012	Meets	V3CL007	Meets
FB ID	Criteria	31637 FB	Criteria	31639 FB	Criteria	31816 FB	Criteria	32054 FB	Criteria
Sample date	per	1/15/2003		1/21/2003		2/2/2003		2/20/2002	
Date Analyzed	QAPP	2/25/2003	(Y/N)	2/25/2003	(Y/N)	3/3/2003	(Y/N)	3/12/2003	(Y/N)
Formaldehyde	<0.3	0.05	Y	0.03	Y	0.02	Y	0.02	Y
Acetaldehyde	<0.4	0.11	Y	0.07	Y	0.08	Y	0.06	Y
Acetone	<0.75	0.23	Y	0.22	Y	0.16	Y	0.19	Y
Propionaldehyde		0.01		0.01		0.01		0.01	
Crotonaldehyde		ND		ND		ND		ND	
Butyraldehyde		0.07		0.05		0.09		0.05	
Benzaldehyde		0.02		0.02		0.02		0.02	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.01		0.01	
Tolualdehydes		0.02		0.03		0.02		0.03	
Hexaldehyde		0.03		0.02		0.02		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.161	Y	0.135	Y	0.162	Y	0.142	Y

Bonne Terre, MO (BTMO) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	F3DN020	Meets	F3DP043	Meets	F3EO012	Meets	F3ES027	Meets
FB ID	Criteria	32371 FB	Criteria	32461 FB	Criteria	32751 FB	Criteria	32819 FB	Criteria
Sample date	per	3/16/2003		3/22/2003		4/15/2003		4/21/2003	
Date Analyzed	QAPP	4/15/2003	(Y/N)	4/17/2003	(Y/N)	5/15/2003	(Y/N)	5/20/2003	(Y/N)
Formaldehyde	<0.3	0.02	Y	0.04	Y	0.03	Y	0.05	Y
Acetaldehyde	<0.4	0.03	Y	0.12	Y	0.08	Y	0.07	Y
Acetone	<0.75	0.13	Y	0.23	Y	0.19	Y	0.20	Y
Propionaldehyde		0.003		0.01		0.01		ND	
Crotonaldehyde		0.02		ND		0.02		0.01	
Butyraldehyde		0.10		0.18		0.23		0.21	
Benzaldehyde		0.01		0.02		0.01		0.01	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.003		0.004		0.01		0.01	
Tolualdehydes		0.02		0.03		0.03		0.02	
Hexaldehyde		0.01		0.03		0.02		0.01	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.157	Y	0.260	Y	0.317	Y	0.263	Y

Bonne Terre, MO (BTMO) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	F3GX018 %33693 FB 6/14/2003 7/25/2003	Meets Criteria (Y/N)	F3G!024 33916 FB 6/20/2003 7/28/2003	Meets Criteria (Y/N)	F3HN019 34259 FB 7/8/2003 8/14/2003	Meets Criteria (Y/N)	F3H~025 34719 FB 7/26/2003 8/28/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.11	Y	0.06	Y	0.08	Y	0.04	Y
Acetaldehyde	<0.4	0.08	Y	0.08	Y	0.07	Y	0.08	Y
Acetone	<0.75	0.16	Y	0.15	Y	0.21	Y	0.23	Y
Propionaldehyde		0.01		0.01		0.00		0.01	
Crotonaldehyde		0.01		0.04		0.02		0.02	
Butyraldehyde		0.16		0.21		0.06		0.04	
Benzaldehyde		0.01		0.01		0.01		0.01	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.005		0.01		0.007		ND	
Tolualdehydes		0.02		0.05		0.03		0.02	
Hexaldehyde		0.02		0.01		0.02		0.01	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.236	Y	0.341	Y	0.135	Y	0.102	Y

Bonne Terre, MO (BTMO) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	F3I1019	Meets	F3I#007	Meets	V3JO021	Meets	F3KC026	Meets
FB ID	Criteria	35085 FB	Criteria	35539 FB	Criteria	35541 FB	Criteria	35983 FB	Criteria
Sample date	per	8/13/2003		8/31/2003		9/6/2003		9/24/2003	
Date Analyzed	QAPP	9/9/2003	(Y/N)	9/29/2003	(Y/N)	10/16/2003	(Y/N)	11/4/2003	(Y/N)
Formaldehyde	<0.3	0.03	Y	0.03	Y	0.08	Y	0.03	Y
Acetaldehyde	<0.4	0.16	Y	0.11	Y	0.13	Y	0.13	Y
Acetone	<0.75	0.21	Y	0.27	Y	0.30	Y	0.26	Y
Propionaldehyde		0.01		0.01		0.01		0.01	
Crotonaldehyde		0.05		0.04		0.02		0.02	
Butyraldehyde		0.15		0.08		0.12		0.09	
Benzaldehyde		0.01		0.01		0.02		0.02	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.01		0.01	
Tolualdehydes		0.03		0.04		0.04		0.03	
Hexaldehyde		0.02		0.04		0.03		0.04	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.284	Y	0.230	Y	0.247	Y	0.227	Y

Bonne Terre, MO (BTMO) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3KT021	Meets	V3LJ025	Meets	V3LN020	Meets	VOID	Meets
FB ID	Criteria	36210 FB	Criteria	36523 FB	Criteria	36598 FB	Criteria	36848	Criteria
Sample date	per	10/12/2003		10/30/2003		11/5/2003		11/23/2003	
Date Analyzed	QAPP	11/21/2003	(Y/N)	12/11/2003	(Y/N)	12/16/2003	(Y/N)	VOID	(Y/N)
Formaldehyde	<0.3	0.03	Y	0.05	Y	0.03	Y		Y
Acetaldehyde	<0.4	0.10	Y	0.13	Y	0.08	Y		Y
Acetone	<0.75	0.25	Y	0.12	Y	0.11	Y		Y
Propionaldehyde		0.01		0.01		0.002			
Crotonaldehyde		0.01		0.04		0.02			
Butyraldehyde		0.12		0.21		0.17			
Benzaldehyde		0.02		0.02		0.01			
Isovaleraldehyde		ND		ND		ND			
Valeraldehyde		0.01		0.01		ND			
Tolualdehydes		0.04		0.05		0.07			
Hexaldehyde		0.03		0.01		0.02			
2,5-Dimethylbenzaldehyde		ND		ND		ND			
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.249	Y	0.340	Y	0.292	Y		Y

Bonne Terre, MO (BTMO) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V4AV034	Meets	V4BD023	Meets
FB ID	Criteria	37158 FB	Criteria	37265 FB	Criteria
Sample date	per	12/11/2003		12/29/2003	
Date Analyzed	QAPP	1/23/2004	(Y/N)	2/5/2004	(Y/N)
Formaldehyde	<0.3	0.03	Y	0.08	Y
Acetaldehyde	<0.4	0.08	Y	0.12	Y
Acetone	<0.75	0.10	Y	0.13	Y
Propionaldehyde		0.01		0.01	
Crotonaldehyde		0.02		0.01	
Butyraldehyde		0.10		0.08	
Benzaldehyde		0.02		0.03	
Isovaleraldehyde		ND		ND	
Valeraldehyde		ND		0.02	
Tolualdehydes		0.07		0.05	
Hexaldehyde		0.03		0.07	
2,5-Dimethylbenzaldehyde		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.254	Y		Y

Bountiful, UT (BTUT) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		34622 D1	34622 R1	34624 D2	34624 R2	34745	34894
SAMPLE DATE		7/20/2003	7/20/2003	7/20/2003	7/20/2003	7/26/2003	8/1/2003
ANALYSIS DATE		8/8/2003	8/8/2003	8/8/2003	8/8/2003	8/28/2003	9/4/2003
FILE NAME	MDL	F3HF066	F3HF067	F3HF068	F3HF069	F3H~020	V3IC017
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.029	4.32	4.36	4.40	4.42	2.59	3.46
Acetaldehyde	0.018	1.82	1.83	1.91	1.92	1.02	1.61
Acetone	0.017	1.52	1.54	1.52	1.54	0.98	1.17
Propionaldehyde	0.004	0.03	0.03	0.03	0.04	0.03	ND
Crotonaldehyde	0.006	0.14	0.14	0.14	0.14	0.04	0.04
Butyr/Isobutyraldehyde	0.008	0.07	0.08	0.08	0.08	0.05	0.04
Benzaldehyde	0.001	0.08	0.08	0.08	0.08	0.07	0.08
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.002	0.04	0.05	0.06	0.05	0.02	0.02
Tolualdehydes	0.004	0.07	0.11	0.10	0.10	0.04	0.05
Hexaldehyde	0.002	0.09	0.10	0.10	0.08	0.02	0.02
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

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SAMPLE #		34889	35916	35416	#35591	35656	35769
SAMPLE DATE		8/7/2003	8/13/2003	8/25/2003	8/31/2003	9/6/2003	9/12/2003
ANALYSIS DATE		8/20/2003	VOID	10/7/2003	10/8/2003	10/15/2003	10/20/2003
FILE NAME	MDL	V3HS025	VOID	V3JF019	V3JH014	F3JO012	F3JT012
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.029	2.08		2.18	2.12	2.27	1.45
Acetaldehyde	0.018	0.76		0.92	1.18	1.17	0.77
Acetone	0.017	1.03		1.16	2.13	0.94	1.58
Propionaldehyde	0.004	0.02		ND	ND	0.03	0.02
Crotonaldehyde	0.006	0.03		0.03	0.05	0.04	0.02
Butyr/Isobutyraldehyde	0.008	0.03		0.05	0.06	0.05	0.05
Benzaldehyde	0.001	0.04		0.05	0.04	0.06	0.05
Isovaleraldehyde	0.002	ND		ND	ND	ND	ND
Valeraldehyde	0.002	0.01		0.03	0.02	0.04	0.03
Tolualdehydes	0.004	0.04		0.04	0.07	0.03	0.03
Hexaldehyde	0.002	0.01		0.03	0.01	0.08	0.07
2,5-Dimethylbenzaldehyde	0.003	ND		ND	ND	ND	ND

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SAMPLE #		35896	36503	36144	36242	36328	36371 D1
SAMPLE DATE		9/18/2003	9/24/2003	10/6/2003	10/12/2003	10/18/2003	10/24/2003
ANALYSIS DATE		10/28/2003	VOID	VOID	11/20/2003	11/25/2003	11/18/2003
FILE NAME	MDL	F3J!017	VOID	VOID	V3KT008	V3KX026	V3KQ024
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.029	0.57			0.69	1.46	1.97
Acetaldehyde	0.018	0.44			2.53	5.64	4.63
Acetone	0.017	1.99			1.93	3.19	2.61
Propionaldehyde	0.004	0.10			ND	ND	0.05
Crotonaldehyde	0.006	0.06			0.03	0.07	0.05
Butyr/Isobutyraldehyde	0.008	0.13			0.08	0.15	0.12
Benzaldehyde	0.001	0.05			0.01	0.02	0.03
Isovaleraldehyde	0.002	ND			ND	ND	ND
Valeraldehyde	0.002	0.08			0.03	0.03	0.04
Tolualdehydes	0.004	0.04			0.01	0.02	0.02
Hexaldehyde	0.002	0.20			0.11	0.10	0.16
2,5-Dimethylbenzaldehyde	0.003	ND			ND	ND	ND

Bountiful, UT (BTUT) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36371 R1	36373 D2	36373 R2	36506	36519	36691 D1
SAMPLE DATE		10/24/2003	10/24/2003	10/24/2003	10/30/2003	11/5/2003	11/11/2003
ANALYSIS DATE		11/18/2003	11/18/2003	11/18/2003	12/10/2003	12/11/2003	12/16/2003
FILE NAME	MDL	V3KQ025	V3KQ022	V3KQ023	V3LJ017	F3LK015	F3LN034
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.029	1.98	1.96	1.96	0.97	1.34	1.87
Acetaldehyde	0.018	4.63	4.87	4.88	1.52	2.32	2.15
Acetone	0.017	2.60	2.72	2.74	1.54	1.82	1.77
Propionaldehyde	0.004	0.04	0.06	0.06	0.03	0.03	0.06
Crotonaldehyde	0.006	0.06	0.06	0.07	0.04	0.04	0.04
Butyr/Isobutyraldehyde	0.008	0.12	0.14	0.16	0.13	0.11	0.12
Benzaldehyde	0.001	0.03	0.03	0.04	0.02	0.02	0.03
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.002	0.04	0.06	0.06	0.04	0.02	0.04
Tolualdehydes	0.004	0.02	0.02	0.02	0.01	0.02	0.02
Hexaldehyde	0.002	0.15	0.19	0.18	0.15	0.07	0.15
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

Bountiful, UT (BTUT) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36691 R1	36693 D2	36693 R2	36860	36840	37020
SAMPLE DATE		11/11/2003	11/11/2003	11/11/2003	11/17/2003	11/23/2003	11/29/2003
ANALYSIS DATE		12/16/2003	12/16/2003	12/16/2003	12/28/2003	12/30/2003	VOID
FILE NAME	MDL	F3LN035	F3LN036	F3LN037	F3LI011	F3LS013	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.029	1.90	1.86	1.93	0.81	1.61	
Acetaldehyde	0.018	2.20	2.18	2.28	1.09	2.65	
Acetone	0.017	1.81	1.77	1.84	1.03	1.29	
Propionaldehyde	0.004	0.06	0.06	0.06	0.03	0.03	
Crotonaldehyde	0.006	0.04	0.04	0.06	0.02	0.04	
Butyr/Isobutyraldehyde	0.008	0.12	0.12	0.13	0.08	0.10	
Benzaldehyde	0.001	0.04	0.03	0.03	0.01	0.02	
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	
Valeraldehyde	0.002	0.04	0.04	0.05	0.04	0.02	
Tolualdehydes	0.004	0.02	0.03	0.03	0.02	0.02	
Hexaldehyde	0.002	0.16	0.20	0.21	0.17	0.06	
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	

Bountiful, UT (BTUT) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		37022	37182	37252	37244	37293
SAMPLE DATE		12/5/2003	12/11/2003	12/17/2003	12/23/2003	12/29/2003
ANALYSIS DATE		1/11/2004	1/23/2004	VOID	2/4/2004	2/8/2004
FILE NAME	MDL	V4AK010	V4AV032	VOID	V4BB048	V4BG024
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.029	2.96	1.46		3.68	1.23
Acetaldehyde	0.018	4.32	2.23		3.90	1.20
Acetone	0.017	3.19	1.53		1.85	0.95
Propionaldehyde	0.004	0.08	0.05		0.10	0.04
Crotonaldehyde	0.006	0.07	0.04		0.05	0.02
Butyr/Isobutyraldehyde	0.008	0.22	0.11		0.16	0.08
Benzaldehyde	0.001	0.05	0.02		0.06	0.02
Isovaleraldehyde	0.002	ND	ND		ND	ND
Valeraldehyde	0.002	0.05	0.04		0.04	0.03
Tolualdehydes	0.004	0.03	0.02		0.01	0.01
Hexaldehyde	0.002	0.14	0.16		0.15	0.11
2,5-Dimethylbenzaldehyde	0.003	ND	ND		ND	ND

Bountiful, UT (BTUT) UATMP 2003 Carbonyl Field Blank

Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3IC016	Meets	V3JH013	Meets	VOID	Meets	V3KT007	Meets
FB ID	Criteria	34893 FB	Criteria	35590 FB	Criteria	36502 FB	Criteria	36241 FB	Criteria
Sample date	per	8/1/2003		8/31/2003		9/24/2003		10/12/2003	
Date Analyzed	QAPP	9/4/2003	(Y/N)	10/8/2003	(Y/N)	VOID	(Y/N)	11/20/2003	(Y/N)
Formaldehyde	<0.3	0.056	Y	0.070	Y		Y	0.039	Y
Acetaldehyde	<0.4	0.143	Y	0.140	Y		Y	0.221	Y
Acetone	<0.75	0.309	Y	0.274	Y		Y	ND	Y
Propionaldehyde		0.011		0.013				0.019	
Crotonaldehyde		0.011		0.011				0.014	
Butyraldehyde		0.033		0.088				0.142	
Benzaldehyde		0.006		0.011				0.017	
Isovaleraldehyde		ND		ND				ND	
Valeraldehyde		0.009		0.011				0.022	
Tolualdehydes		0.029		0.033				0.029	
Hexaldehyde		0.023		0.030				0.040	
2,5-Dimethylbenzaldehyde		ND		ND				ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.121	Y	0.197	Y	0.000	Y	0.280	Y

Bountiful, UT (BTUT) UATMP 2003 Carbonyl Field Blank

Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3LJ020	Meets	F3LK014	Meets	F3L\$014	Meets	V4AV033	Meets
FB ID	Criteria	36505 FB	Criteria	36518 FB	Criteria	36839 FB	Criteria	37181 FB	Criteria
Sample date	per	10/30/2003		11/5/2003		11/23/2003		12/11/03	
Date Analyzed	QAPP	12/11/2003	(Y/N)	12/11/2003	(Y/N)	12/30/2003	(Y/N)	1/23/04	(Y/N)
Formaldehyde	<0.3	0.061	Y	0.038	Y	0.042	Y	0.040	Y
Acetaldehyde	<0.4	0.129	Y	0.107	Y	0.059	Y	0.136	Y
Acetone	<0.75	0.146	Y	ND	Y	0.112	Y	ND	Y
Propionaldehyde		0.012		0.008		ND		0.015	
Crotonaldehyde		0.020		0.019		0.035		0.015	
Butyraldehyde		0.218		0.165		0.136		0.109	
Benzaldehyde		0.015		0.012		0.016		0.023	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.006		0.005		0.003		0.011	
Tolualdehydes		0.070		0.028		0.054		0.065	
Hexaldehyde		0.021		0.014		0.015		0.038	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.360	Y	0.250	Y	0.257	Y	0.274	Y

Beulah, North Dakota (BUND) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31444	31534
SAMPLE DATE		1/3/2003	1/9/2003
ANALYSIS DATE		2/6/2003	2/7/2003
FILE NAME	MDL	V3BE024	V3BE048
UNITS	ppbv	ppbv	ppbv
Formaldehyde	0.029	0.43	0.27
Acetaldehyde	0.018	0.33	0.22
Acetone	0.017	0.83	1.24
Propionaldehyde	0.004	0.02	0.03
Crotonaldehyde	0.01	0.01	0.01
Butyr/Isobutyraldehyde	0.008	0.06	0.06
Benzaldehyde	0.001	0.01	0.01
Isovaleraldehyde	0.002	ND	ND
Valeraldehyde	0.002	0.01	0.01
Tolualdehydes	0.004	0.02	0.04
Hexaldehyde	0.002	0.01	0.01
2,5-Dimethylbenzaldehyde	0.003	ND	ND

u Under detection limit.
ND Not detected.

Candor, NC (CANC) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		34436	34438	34440	34441	34614	36784
SAMPLE DATE		5/27/2003	6/8/2003	6/20/2003	7/2/2003	7/26/2003	11/23/2003
ANALYSIS DATE		8/8/2003	8/8/2003	8/8/2003	VOID	8/29/2003	12/18/2003
FILE NAME	MDL	V3HH025	V3HH023	V3HH021	VOID	F3H1022	V3LQ014
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.015	0.66	1.61	2.96		1.37	3.07
Acetaldehyde	0.009	0.34	1.64	1.21		0.39	1.29
Acetone	0.008	0.74	0.50	0.57		0.17	1.16
Propionaldehyde	0.002	ND	0.06	0.07		0.02	0.26
Crotonaldehyde	0.003	0.04	ND	ND		0.32	0.05
Butyr/Isobutyraldehyde	0.004	0.14	0.3	0.3		0.10	0.26
Benzaldehyde	0.001	0.01	0.03	0.05		0.02	0.03
Isovaleraldehyde	0.001	ND	ND	ND		0.06	0.02
Valeraldehyde	0.001	0.01	0.02	0.05		0.02	0.11
Tolualdehydes	0.002	0.04	0.08	0.06		0.03	0.04
Hexaldehyde	0.001	0.05	0.02	0.04		0.04	0.09
2,5-Dimethylbenzaldehyde	0.001	ND	ND	ND		ND	ND

Candor, NC (CANC) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36972	37144	37304
SAMPLE DATE		12/5/03	12/17/03	12/29/03
ANALYSIS DATE		12/31/03	1/29/04	2/8/04
FILE NAME	MDL	F3L%011	V4A#010	V4BG031
UNITS	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.015	0.65	0.96	2.07
Acetaldehyde	0.009	0.51	0.56	1.04
Acetone	0.008	0.92	0.98	0.89
Propionaldehyde	0.002	0.08	0.12	0.20
Crotonaldehyde	0.003	0.02	0.02	0.03
Butyr/Isobutyraldehyde	0.004	0.11	0.14	0.17
Benzaldehyde	0.001	0.01	0.01	0.02
Isovaleraldehyde	0.001	0.01	ND	0.01
Valeraldehyde	0.001	0.03	0.05	0.07
Tolualdehydes	0.002	0.02	0.03	0.04
Hexaldehyde	0.001	0.02	0.03	0.06
2,5-Dimethylbenzaldehyde	0.001	ND	ND	0.003

Candor, NC (CANC) UATMP 2003 Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance Criteria	V3HH024	Meets Criteria	V3HH022	Meets Criteria	F3HI023	Meets Criteria	V3LQ015	Meets Criteria
FB ID	per	34437 FB		34439 FB		34613 FB		36783 FB	
Sample date	QAPP	5/27/2003		6/20/2003		7/26/2003		11/23/2003	
Date Analyzed		8/8/2003	(Y/N)	8/8/2003	(Y/N)	8/29/2003	(Y/N)	12/18/2003	(Y/N)
Formaldehyde	<0.3	0.061	Y	0.062	Y	0.062	Y	0.095	Y
Acetaldehyde	<0.4	0.137	Y	0.070	Y	0.092	Y	0.153	Y
Acetone	<0.75	0.227	Y	0.203	Y	0.192	Y	0.198	Y
Propionaldehyde		0.008		ND		0.011		0.017	
Crotonaldehyde		ND		ND		0.037		0.011	
Butyraldehyde		ND		ND		0.062		0.186	
Benzaldehyde		ND		ND		0.015		0.020	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		ND		ND		0.011		ND	
Tolualdehydes		ND		ND		0.043		0.047	
Hexaldehyde		0.017		0.018		0.028		0.019	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.025	Y	0.018	Y	0.206	Y	0.298	Y

Candor, NC (CANC) UATMP 2003 Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V4BG032	Meets
FB ID	Criteria	37303 FB	Criteria
Sample date	per	12/29/03	
Date Analyzed	QAPP	2/8/04	(Y/N)
Formaldehyde	<0.3	0.054	Y
Acetaldehyde	<0.4	0.098	Y
Acetone	<0.75	0.135	Y
Propionaldehyde		0.009	
Crotonaldehyde		0.017	
Butyraldehyde		0.127	
Benzaldehyde		0.015	
Isovaleraldehyde		ND	
Valeraldehyde		ND	
Tolualdehydes		0.067	
Hexaldehyde		0.061	
2,5-Dimethylbenzaldehyde		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.295	Y

Camden, NJ (CANJ) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31446	31481	31598	31636	31709 D1	31709 R1
SAMPLE DATE		1/3/2003	1/9/2003	1/15/2003	1/21/2003	1/27/2003	1/27/2003
ANALYSIS DATE		2/6/2003	2/11/2003	2/13/2003	2/27/2003	4/9/2003	4/9/2003
FILE NAME	MDL	VOID	V3BJ037	V3BL029	V3BZ027	F3DI008	F3DI009
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	0.13	0.15	0.08	0.10	0.13	0.13
Acetaldehyde	0.013	0.07	0.10	0.10	0.09	0.10	0.10
Acetone	0.012	0.26	0.21	0.16	0.15	0.16	0.17
Propionaldehyde	0.003	0.01	0.01	0.01	0.01	0.01	0.01
Crotonaldehyde	0.004	ND	ND	0.003 u	ND	0.002 u	0.001 u
Butyr/Isobutyraldehyde	0.006	0.03	0.03	0.02	0.03	0.03	0.03
Benzaldehyde	0.001	0.01	0.01	0.01	0.005	0.005	0.005
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.001 u	0.003	0.004	0.004	0.01	0.01
Tolualdehydes	0.003	0.01	0.01	0.01	0.01	0.01	0.01
Hexaldehyde	0.001	0.01	0.01	0.01	0.01	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

Camden, NJ (CANJ) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31710 D2	31710 R2	31798	31887	31978	32065
SAMPLE DATE		1/27/2003	1/27/2003	2/2/2003	2/8/2003	2/14/2003	2/20/2003
ANALYSIS DATE		4/9/2003	4/9/2003	3/4/2003	3/11/2003	3/11/2003	3/12/2003
FILE NAME	MDL	F3DI010	F3DI011	VOID	V3CJ019	F3CJ022	V3CL014
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	0.30	0.30	0.10	0.13	0.16	0.26
Acetaldehyde	0.013	0.20	0.20	0.10	0.10	0.13	0.20
Acetone	0.012	0.73	0.73	0.17	0.16	0.19	0.29
Propionaldehyde	0.003	0.04	0.04	0.01	0.01	0.01	0.02
Crotonaldehyde	0.004	0.003 u	0.004 u	0.003 u	ND	0.002 u	0.004 u
Butyr/Isobutyraldehyde	0.006	0.06	0.05	0.03	0.03	0.05	0.03
Benzaldehyde	0.001	0.02	0.02	0.01	0.01	0.01	0.01
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.02	0.02	0.004	0.005	0.01	0.01
Tolualdehydes	0.003	0.02	0.02	0.01	0.01	0.01	0.01
Hexaldehyde	0.001	0.01	0.01	0.01	0.01	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

Camden, NJ (CANJ) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32116 D1	32116 R1	32118 D2	32118 R2	32285	32350
SAMPLE DATE		2/26/2003	2/26/2003	2/26/2003	2/26/2003	3/10/2003	3/16/2003
ANALYSIS DATE		3/19/2003	3/19/2003	3/19/2003	3/19/2003	4/4/2003	4/15/2003
FILE NAME	MDL	V3CQ034	V3CQ035	V3CQ036	V3CQ037	V3DC027	F3DN027
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	0.36	0.36	0.58	0.58	0.10	0.15
Acetaldehyde	0.013	0.08	0.09	0.18	0.15	0.08	0.11
Acetone	0.012	0.14	0.15	0.81	0.81	0.15	0.16
Propionaldehyde	0.003	0.01	0.01	0.03	0.04	0.01	0.01
Crotonaldehyde	0.004	0.003 u	ND	0.01	0.003 u	ND	0.005 u
Butyr/Isobutyraldehyde	0.006	0.03	0.03	0.07	0.06	0.04	0.08
Benzaldehyde	0.001	0.005	0.01	0.02	0.03	0.004	0.01
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.004	0.002	0.02	0.02	0.002	0.004
Tolualdehydes	0.003	0.01	0.01	0.02	0.02	0.003 u	0.01
Hexaldehyde	0.001	0.01	0.01	0.02	0.02	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

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SAMPLE #		32466	32512	32599	32670	32746	32874
SAMPLE DATE		3/22/2003	3/28/2003	4/3/2003	4/9/2003	4/15/2003	4/21/2003
ANALYSIS DATE		4/17/2003	4/30/2003	5/10/2003	VOID	5/23/2003	VOID
FILE NAME	MDL	F3DP050	F3D\$012	F3EI042	VOID	F3EW006	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	0.19	0.19	0.17		0.16	
Acetaldehyde	0.013	0.09	0.09	0.10		0.11	
Acetone	0.012	0.21	1.02	0.21		0.19	
Propionaldehyde	0.003	0.01	ND	0.01		0.02	
Crotonaldehyde	0.004	0.003 u	0.01	0.003 u		0.01	
Butyr/Isobutyraldehyde	0.006	0.10	0.11	0.09		0.12	
Benzaldehyde	0.001	0.01	ND	0.01		0.01	
Isovaleraldehyde	0.001	ND	ND	ND		ND	
Valeraldehyde	0.001	ND	0.001 u	0.002		0.003	
Tolualdehydes	0.003	0.004	0.002 u	0.004		0.004	
Hexaldehyde	0.001	0.003	0.01	0.004		0.01	
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND		ND	

u Under detection limit.
ND Not detected.

Camden, NJ (CANJ) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32952	33130	33182	33274 D1	33276 D2	33356
SAMPLE DATE		4/27/2003	5/3/2003	5/9/2003	5/15/2003	5/15/2003	5/21/2003
ANALYSIS DATE		VOID	6/4/2003	6/6/2003	6/25/2003	VOID	7/1/2003
FILE NAME	MDL	VOID	F3FC016	F3FE023	V3FX047	VOID	V3F\$021
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021		0.12	0.16	0.25		0.16
Acetaldehyde	0.013		0.10	0.11	0.18		0.10
Acetone	0.012		0.18	0.23	0.26		0.19
Propionaldehyde	0.003		0.01	0.01	0.02		0.01
Crotonaldehyde	0.004		0.01	0.003 u	0.01		0.03
Butyr/Isobutyraldehyde	0.006		0.09	0.07	0.03		0.03
Benzaldehyde	0.001		0.01	0.01	0.01		0.01
Isovaleraldehyde	0.001		ND	ND	ND		ND
Valeraldehyde	0.001		0.004	0.003	0.01		0.004
Tolualdehydes	0.003		0.01	0.004	0.01		0.08
Hexaldehyde	0.001		0.01	0.01	0.01		0.01
2,5-Dimethylbenzaldehyde	0.002		ND	ND	ND		ND

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SAMPLE #		33396	33471	33644	33754	33841	34119 D1
SAMPLE DATE		5/27/2003	6/3/2003	6/8/2003	6/14/2003	6/20/2003	6/26/2003
ANALYSIS DATE		7/3/2003	7/16/2003	8/6/2003	7/27/2003	7/29/2003	7/30/2003
FILE NAME	MDL	V3GB033	V3GO024	%F3HF016	F3GZ026	V3G#016	F3G\$017
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	0.15	0.20	0.27	0.28	0.23	0.36
Acetaldehyde	0.013	0.11	0.11	0.09	0.19	0.16	0.15
Acetone	0.012	0.21	0.20	0.20	0.17	0.19	0.27
Propionaldehyde	0.003	0.01	0.01	0.004	0.02	0.01	0.01
Crotonaldehyde	0.004	0.01	0.01	0.01	0.02	0.01	0.03
Butyr/Isobutyraldehyde	0.006	0.03	0.03	0.02	0.03	0.03	0.05
Benzaldehyde	0.001	0.01	0.01	0.005	0.005	0.01	0.01
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.005	ND	0.004	0.01	0.01	0.01
Tolualdehydes	0.003	0.01	0.01	0.01	0.01	0.01	0.01
Hexaldehyde	0.001	0.01	0.01	0.01	0.01	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

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SAMPLE #		34119 R1	34121 D2	34121 R2	34246	34249	34327
SAMPLE DATE		6/26/2003	6/26/2003	6/26/2003	7/2/2003	7/8/2003	7/14/2003
ANALYSIS DATE		7/30/2003	7/30/2003	7/30/2003	8/11/2003	8/15/2003	8/13/2003
FILE NAME	MDL	F3G\$018	F3G\$019	F3G\$020	F3HK008	F3HN022	F3HM023
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	0.37	7.01	7.05	1.75	0.33	0.29
Acetaldehyde	0.013	0.15	2.17	2.17	0.12	0.18	0.17
Acetone	0.012	0.29	0.73	0.73	0.20	0.18	0.26
Propionaldehyde	0.003	0.02	0.03	0.03	0.01	0.01	0.02
Crotonaldehyde	0.004	0.02	0.16	0.17	0.01	0.03	0.03
Butyr/Isobutyraldehyde	0.006	0.05	0.05	0.06	0.44	0.03	0.10
Benzaldehyde	0.001	0.01	0.10	0.11	0.01	0.01	0.01
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.05	0.05	0.00	0.01	0.01
Tolualdehydes	0.003	0.01	0.15	0.15	0.01	0.01	0.01
Hexaldehyde	0.001	0.01	0.02	0.01	0.001 u	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

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SAMPLE #		34514	34630	34825 D1	34825 R1	34827 D2	34827 R2
SAMPLE DATE		7/20/2003	7/26/2003	8/1/2003	8/1/2003	8/1/2003	8/1/2003
ANALYSIS DATE		8/7/2003	8/28/2003	10/13/2003	10/13/2003	10/13/2003	10/13/2003
FILE NAME	MDL	F3HF055	F3H-016	V3JM007	V3JM008	V3JM009	V3JM010
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	0.28	4.11	2.11	2.18	2.15	2.16
Acetaldehyde	0.013	0.18	2.88	1.85	1.85	2.16	2.16
Acetone	0.012	0.32	0.63	0.49	0.49	0.50	0.49
Propionaldehyde	0.003	0.02	0.18	0.03	0.03	0.03	0.03
Crotonaldehyde	0.004	0.03	0.31	0.12	0.13	0.14	0.14
Butyr/Isobutyraldehyde	0.006	0.03	0.14	0.12	0.13	0.12	0.12
Benzaldehyde	0.001	0.005	0.05	0.05	0.04	0.05	0.05
Isovaleraldehyde	0.001	ND	0.02	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.06	0.02	0.02	0.02	0.02
Tolualdehydes	0.003	0.01	0.02	0.02	0.03	0.02	0.03
Hexaldehyde	0.001	0.01	0.07	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	0.005	ND	ND	ND	ND

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SAMPLE #		34912	35050	35259	35388	35686 D1	35686 R1
SAMPLE DATE		8/7/2003	8/13/2003	8/25/2003	8/31/2003	9/12/2003	9/12/2003
ANALYSIS DATE		9/8/2003	VOID	9/26/2003	9/30/2003	10/16/2003	10/16/2003
FILE NAME	MDL	V3IH018	VOID	F3IY010	F3I#021	F3JO034	F3JO035
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	0.95		0.64	0.42	0.41	0.41
Acetaldehyde	0.013	2.77		0.41	0.23	1.19	1.16
Acetone	0.012	0.48		0.24	0.19	0.31	0.29
Propionaldehyde	0.003	ND		0.01	0.01	0.01	0.01
Crotonaldehyde	0.004	0.12		0.03	0.02	0.02	0.02
Butyr/Isobutyraldehyde	0.006	0.04		0.07	0.07	0.05	0.04
Benzaldehyde	0.001	0.01		0.01	0.01	0.01	0.01
Isovaleraldehyde	0.001	ND		ND	ND	ND	ND
Valeraldehyde	0.001	0.01		0.01	0.01	0.01	0.01
Tolualdehydes	0.003	0.01		0.003 u	0.01	0.01	0.01
Hexaldehyde	0.001	0.01		0.01	0.01	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	ND		ND	ND	ND	ND

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SAMPLE #		35684 D2	35684 R2	35919
SAMPLE DATE		9/12/2003	9/12/2003	9/24/2003
ANALYSIS DATE		10/16/2003	10/16/2003	10/28/2003
FILE NAME	MDL	F3JO036	F3JO037	F3J!021
UNITS	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	0.40	0.40	0.81
Acetaldehyde	0.013	1.14	1.15	2.91
Acetone	0.012	0.28	0.28	0.26
Propionaldehyde	0.003	0.01	0.01	0.01
Crotonaldehyde	0.004	0.03	0.02	0.08
Butyr/Isobutyraldehyde	0.006	0.05	0.05	0.07
Benzaldehyde	0.001	0.01	0.01	0.02
Isovaleraldehyde	0.001	ND	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.03
Tolualdehydes	0.003	0.01	0.01	0.02
Hexaldehyde	0.001	0.01	0.01	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND

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(µg/cartridge)

Data File ID	Acceptance	V3BL030	Meets	V3BZ020	Meets	V3CC022	Meets	V3CL013	Meets
FB ID	Criteria	31597 FB	Criteria	31635 FB	Criteria	31797 FB	Criteria	32064 FB	Criteria
Sample date	per	1/15/2003		1/21/2003		2/2/2003		2/20/2003	
Date Analyzed	QAPP	2/13/2003	(Y/N)	2/27/2003	(Y/N)	3/4/2003	(Y/N)	3/12/2003	(Y/N)
Formaldehyde	<0.3	0.216	Y	0.066	Y	0.021	Y	0.023	Y
Acetaldehyde	<0.4	0.094	Y	0.078	Y	0.101	Y	0.068	Y
Acetone	<0.75	0.233	Y	0.223	Y	0.159	Y	0.198	Y
Propionaldehyde		0.014		0.010		0.011		0.008	
Crotonaldehyde		ND		ND		ND		ND	
Butyraldehyde		0.051		0.057		0.094		0.063	
Benzaldehyde		0.015		0.019		0.019		ND	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.008		0.004		0.007		ND	
Tolualdehydes		0.030		0.031		0.022		0.035	
Hexaldehyde		0.032		0.024		0.060		0.018	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.150	Y	0.143	Y	0.210	Y	0.124	Y

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(µg/cartridge)

Data File ID	Acceptance	V3DC028	Meets	F3DN028	Meets	F3EW007	Meets	V3E#018	Meets
FB ID	Criteria	32284 FB	Criteria	32349 FB	Criteria	32745 FB	Criteria	32873 FB	Criteria
Sample date	per	3/10/2003		3/10/2003		4/15/2003		4/21/2003	
Date Analyzed	QAPP	4/4/2003	(Y/N)	4/15/2003	(Y/N)	5/23/2003	(Y/N)	5/29/2003	(Y/N)
Formaldehyde	<0.3	0.037	Y	0.019	Y	0.024	Y	0.020	Y
Acetaldehyde	<0.4	0.101	Y	0.041	Y	0.027	Y	0.028	Y
Acetone	<0.75	0.168	Y	0.145	Y	0.130	Y	0.119	Y
Propionaldehyde		0.013		0.007		ND		0.010	
Crotonaldehyde		ND		ND		0.020		0.011	
Butyraldehyde		0.122		0.133		0.278		0.077	
Benzaldehyde		0.015		0.012		0.009		0.013	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.009		ND		ND		ND	
Tolualdehydes		0.014		0.015		0.014		0.043	
Hexaldehyde		0.053		0.013		0.007		0.010	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.225	Y	0.178	Y	0.327	Y	0.164	Y

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(µg/cartridge)

Data File ID	Acceptance	F3FE024	Meets	V3GB030	Meets	F3GZ027	Meets	V3G#017	Meets
FB ID	Criteria	33181 FB	Criteria	33395 FB	Criteria	FB 33753	Criteria	FB 33840	Criteria
Sample date	per	5/9/2003		5/27/2003		6/14/2003		6/20/2003	
Date Analyzed	QAPP	6/6/2003	(Y/N)	7/3/2003	(Y/N)	7/27/2003	(Y/N)	7/29/2003	(Y/N)
Formaldehyde	<0.3	0.027	Y	0.037	Y	0.134	Y	0.090	Y
Acetaldehyde	<0.4	0.073	Y	0.066	Y	0.147	Y	0.082	Y
Acetone	<0.75	0.152	Y	0.137	Y	0.142	Y	0.172	Y
Propionaldehyde		0.006		0.005		0.005		0.011	
Crotonaldehyde		0.006		ND		0.010		ND	
Butyraldehyde		0.202		0.040		0.255		0.042	
Benzaldehyde		0.011		0.011		0.010		0.026	
Isovaleraldehyde		ND		ND		ND		0.003	
Valeraldehyde		0.009		0.005		ND		0.010	
Tolualdehydes		0.009		0.042		0.038		0.037	
Hexaldehyde		0.012		0.017		0.017		0.009	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.253	Y	0.119	Y	0.334	Y	0.136	Y

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(µg/cartridge)

Data File ID	Acceptance	F3HN023	Meets	F3H~017	Meets	VOID	Meets	F3I#022	Meets
FB ID	Criteria	34248 FB	Criteria	34629 FB	Criteria	35049 FB	Criteria	35387 FB	Criteria
Sample date	per	7/8/2003		7/26/2003		8/13/2003		8/31/2003	
Date Analyzed	QAPP	8/15/2003	(Y/N)	8/28/2003	(Y/N)	VOID	(Y/N)	9/30/2003	(Y/N)
Formaldehyde	<0.3	0.033	Y	0.052	Y			0.026	Y
Acetaldehyde	<0.4	0.092	Y	0.140	Y			0.079	Y
Acetone	<0.75	0.196	Y	0.269	Y			0.285	Y
Propionaldehyde		0.005		0.008				0.020	
Crotonaldehyde		0.031		0.022				ND	
Butyraldehyde		0.065		0.041				0.116	
Benzaldehyde		0.009		0.011				0.013	
Isovaleraldehyde		ND		ND				ND	
Valeraldehyde		0.004		0.006				0.013	
Tolualdehydes		0.026		0.032				0.018	
Hexaldehyde		0.017		0.013				0.023	
2,5-Dimethylbenzaldehyde		ND		ND				ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.155	Y	0.131	Y	0.000	Y	0.202	Y

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(µg/cartridge)

Data File ID	Acceptance	F3J!020	Meets
FB ID	Criteria	35918 FB*	Criteria
Sample date	per	9/24/2003	
Date Analyzed	QAPP	10/28/2003	(Y/N)
Formaldehyde	<0.3	0.032	Y
Acetaldehyde	<0.4	0.133	Y
Acetone	<0.75	0.272	Y
Propionaldehyde		0.019	
Crotonaldehyde		0.010	
Butyraldehyde		0.065	
Benzaldehyde		0.013	
Isovaleraldehyde		ND	
Valeraldehyde		0.015	
Tolualdehydes		0.032	
Hexaldehyde		0.019	
2,5-Dimethylbenzaldehyde		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.171	Y

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SAMPLE #		31469	31548	31546	31680	31701 D1	31702 D2
SAMPLE DATE		1/3/2003	1/9/2003	1/15/2003	1/21/2003	1/27/2003	1/27/2003
ANALYSIS DATE		2/11/2003	2/12/2003	2/12/2003	2/25/2003	VOID	VOID
FILE NAME	MDL	V3BJ042	V3BL015	V3BL014	V3BX050	VOID	V3BX050
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.30	1.42	1.48	1.99		
Acetaldehyde	0.016	0.73	0.97	0.98	0.69		
Acetone	0.015	0.78	1.09	1.01	0.75		
Propionaldehyde	0.004	0.04	0.05	0.05	0.02		
Crotonaldehyde	0.005	0.004 u	0.01 u	0.005 u	0.005 u		
Butyr/Isobutyraldehyde	0.007	0.07	0.07	0.06	0.05		
Benzaldehyde	0.001	0.03	0.03	0.03	0.02		
Isovaleraldehyde	0.002	ND	ND	ND	ND		
Valeraldehyde	0.001	0.005	0.01	0.01	0.004 u		
Tolualdehydes	0.004	0.01	0.02	0.01	0.01		
Hexaldehyde	0.002	0.01	0.01	0.01	0.01		
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND		

u Under detection limit.
ND Not detected.

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SAMPLE #		31804	31889	31990	32032	32140 D1	32140 R1
SAMPLE DATE		2/2/2003	2/8/2003	2/14/2003	2/20/2003	2/26/2003	2/26/2003
ANALYSIS DATE		3/3/2003	3/11/2003	3/11/2003	3/12/2003	4/1/2003	4/1/2003
FILE NAME	MDL	V3CC017	V3CJ018	F3CJ021	F3CL011	V3C%017	V3C%018
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.39	2.00	2.30	1.96	1.78	1.77
Acetaldehyde	0.016	1.22	1.11	0.92	1.29	1.20	1.19
Acetone	0.015	1.28	1.04	0.94	1.56	1.39	1.38
Propionaldehyde	0.004	0.07	0.03	0.04	0.09	0.09	0.09
Crotonaldehyde	0.005	0.004 u	ND	0.004 u	0.003 u	0.01	0.01
Butyr/Isobutyraldehyde	0.007	0.09	0.06	0.09	0.13	0.12	0.12
Benzaldehyde	0.001	0.04	0.02	0.02	0.04	0.04	0.03
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.005	0.01	0.01	0.02	0.01	0.02
Tolualdehydes	0.004	0.02	0.01	0.02	0.02	0.02	0.02
Hexaldehyde	0.002	0.01	0.01	0.01	0.01	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

u Under detection limit.
ND Not detected.

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SAMPLE #		32142 D2	32142 R2	32194	32266	32376	32437
SAMPLE DATE		2/26/2003	2/26/2003	3/4/2003	3/10/2003	3/16/2003	3/22/2003
ANALYSIS DATE		4/1/2003	4/1/2003	4/7/2003	VOID	4/24/2003	4/18/2003
FILE NAME	MDL	V3C%019	V3C%020	F3DG011	VOID	F3DX013	F3DP056
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.97	1.99	1.96		3.18	2.40
Acetaldehyde	0.016	1.25	1.26	1.33		1.47	0.90
Acetone	0.015	1.47	1.47	1.40		0.88	1.37
Propionaldehyde	0.004	0.10	0.09	0.12		0.05	0.04
Crotonaldehyde	0.005	0.01	0.01	0.05		0.06	0.03
Butyr/Isobutyraldehyde	0.007	0.13	0.14	0.14		0.16	0.15
Benzaldehyde	0.001	0.03	0.03	0.02		0.02	0.02
Isovaleraldehyde	0.002	ND	ND	ND		ND	ND
Valeraldehyde	0.001	0.02	0.02	0.01		0.01	0.01
Tolualdehydes	0.004	0.02	0.02	0.02		0.03	0.02
Hexaldehyde	0.002	0.03	0.03	0.01		0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND		ND	ND

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SAMPLE #		32603 D1	32603 R1	32605 D2	32605 R2	32601	32668
SAMPLE DATE		3/28/2003	3/28/2003	3/28/2003	3/28/2003	4/3/2003	4/9/2003
ANALYSIS DATE		5/10/2003	5/10/2003	5/10/2003	5/10/2003	5/10/2003	5/9/2003
FILE NAME	MDL	F3EI025	F3EI026	F3EI027	F3EI028	F3EI041	F3EH027
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	3.25	3.23	3.35	3.33	2.57	1.40
Acetaldehyde	0.016	1.72	1.73	1.75	1.75	1.89	0.73
Acetone	0.015	1.52	1.52	1.83	1.84	1.97	0.96
Propionaldehyde	0.004	0.09	0.08	0.10	0.11	0.16	0.04
Crotonaldehyde	0.005	0.05	0.04	0.05	0.05	0.08	0.05
Butyr/Isobutyraldehyde	0.007	0.16	0.16	0.21	0.21	0.23	0.10
Benzaldehyde	0.001	0.04	0.04	0.03	0.003	0.04	0.01
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.01	0.01	0.02	ND
Tolualdehydes	0.004	0.02	0.03	0.02	0.03	0.03	0.01
Hexaldehyde	0.002	0.01	0.01	0.01	0.01	0.01	0.004
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

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SAMPLE #		32737	32877	32919 D1	32919 R1	32921 D2	32921 R2
SAMPLE DATE		4/15/2003	4/21/2003	4/27/2003	4/27/2003	4/27/2003	4/27/2003
ANALYSIS DATE		5/23/2003	5/29/2003	5/20/2003	5/20/2003	5/20/2003	5/20/2003
FILE NAME	MDL	V3EW006	V3E#016	V3ES029	V3ES030	V3ES031	V3ES032
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	5.58	2.69	2.38	2.41	2.49	2.50
Acetaldehyde	0.016	1.97	1.57	0.66	0.66	0.68	0.68
Acetone	0.015	1.72	1.17	1.03	1.03	1.13	1.14
Propionaldehyde	0.004	0.09	0.11	0.03	0.03	0.02	0.03
Crotonaldehyde	0.005	0.06	0.06	0.01	0.01	0.01	0.02
Butyr/Isobutyraldehyde	0.007	0.10	0.13	0.07	0.06	0.08	0.08
Benzaldehyde	0.001	0.02	0.03	0.01	0.01	0.01	0.01
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.01	0.01	0.01	0.01
Tolualdehydes	0.004	0.06	0.03	0.02	0.02	0.02	0.02
Hexaldehyde	0.002	0.01	0.01	0.01	0.01	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

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SAMPLE #		33084	33188	33266 D1	33266 R1	33268 D2	33268 R2
SAMPLE DATE		5/3/2003	5/9/2003	5/15/2003	5/15/2003	5/15/2003	5/15/2003
ANALYSIS DATE		6/3/2003	6/5/2003	6/26/2003	6/26/2003	6/25/2003	6/25/2003
FILE NAME	MDL	F3FC009	F3FE019	V3FX051	V3FX052	V3FX049	V3FX050
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	3.24	2.07	2.52	2.53	2.47	2.49
Acetaldehyde	0.016	0.57	1.38	1.45	1.45	1.43	1.43
Acetone	0.015	1.15	1.03	1.39	1.40	1.80	1.81
Propionaldehyde	0.004	0.04	0.11	0.10	0.10	0.11	0.11
Crotonaldehyde	0.005	0.03	0.07	0.10	0.10	0.09	0.09
Butyr/Isobutyraldehyde	0.007	0.12	0.15	0.10	0.10	0.11	0.11
Benzaldehyde	0.001	0.01	0.05	0.04	0.04	0.03	0.03
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.03	0.02	0.01	0.02	0.02
Tolualdehydes	0.004	0.02	0.06	0.03	0.03	0.03	0.03
Hexaldehyde	0.002	0.01	0.01	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

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SAMPLE #		33335	33393	33469	33646	33782	33958
SAMPLE DATE		5/21/2003	5/27/2003	6/3/2003	6/8/2003	6/14/2003	6/20/2003
ANALYSIS DATE		7/1/2003	7/3/2003	7/16/2003	7/16/2003	7/27/2003	7/30/2003
FILE NAME	MDL	V3F\$024	V3GB031	V3GO019	V3GO040	F3GZ031	V3G#030
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	2.26	2.83	3.41	5.05	3.89	3.12
Acetaldehyde	0.016	1.04	1.04	1.88	1.54	1.55	1.24
Acetone	0.015	0.73	1.01	1.39	1.25	0.73	0.95
Propionaldehyde	0.004	0.11	0.08	0.07	0.04	0.08	0.08
Crotonaldehyde	0.005	0.04	0.04	0.05	0.01	0.12	0.04
Butyr/Isobutyraldehyde	0.007	0.08	0.07	0.08	0.07	0.18	0.07
Benzaldehyde	0.001	0.03	0.04	0.02	0.02	0.07	0.05
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.02	0.01	0.01	0.01	0.02	0.01
Tolualdehydes	0.004	0.02	0.02	0.02	0.02	0.05	0.02
Hexaldehyde	0.002	0.01	0.01	0.01	0.02	0.03	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

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SAMPLE #		34123 D1	34123 R1	34125 D2	34125 R2	34175	34252
SAMPLE DATE		6/26/2003	6/26/2003	6/26/2003	6/26/2003	7/2/2003	7/8/2003
ANALYSIS DATE		7/30/2003	7/30/2003	7/30/2003	7/30/2003	VOID	8/14/2003
FILE NAME	MDL	F3G\$007	F3G\$008	F3G\$009	F3G\$010	VOID	F3HN020
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	11.35	11.62	11.69	11.78		6.24
Acetaldehyde	0.016	2.39	2.45	2.43	2.44		0.48
Acetone	0.015	1.02	1.03	1.17	1.18		0.12
Propionaldehyde	0.004	0.11	0.11	0.11	0.11		0.05
Crotonaldehyde	0.005	0.17	0.17	0.18	0.18		ND
Butyr/Isobutyraldehyde	0.007	0.11	0.11	0.14	0.14		0.08
Benzaldehyde	0.001	0.06	0.06	0.05	0.05		0.04
Isovaleraldehyde	0.002	ND	ND	ND	ND		ND
Valeraldehyde	0.001	0.02	0.02	0.04	0.02		0.003
Tolualdehydes	0.004	0.04	0.05	0.03	0.04		ND
Hexaldehyde	0.002	0.02	0.03	0.02	0.02		0.003
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND		ND

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SAMPLE #		34456 D1	34456 R1	34458 D2	34458 R2	34516	34636
SAMPLE DATE		7/14/2003	7/14/2003	7/14/2003	7/14/2003	7/20/2003	7/26/2003
ANALYSIS DATE		8/19/2003	8/19/2003	8/19/2003	8/19/2003	8/8/2003	8/27/2003
FILE NAME	MDL	F3HR031	F3HR032	F3HR033	F3HR034	F3HF058	F3H~010
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	5.76	6.03	5.37	5.46	6.00	7.07
Acetaldehyde	0.016	1.71	1.79	1.64	1.68	1.29	1.57
Acetone	0.015	0.99	1.04	0.75	0.77	0.83	0.67
Propionaldehyde	0.004	0.08	0.09	0.08	0.08	0.06	0.06
Crotonaldehyde	0.005	0.13	0.15	0.11	0.12	0.07	0.08
Butyr/Isobutyraldehyde	0.007	0.10	0.10	0.08	0.09	0.07	0.07
Benzaldehyde	0.001	0.04	0.05	0.04	0.04	0.03	0.02
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.02	0.02	0.02	0.02	0.01	0.01
Tolualdehydes	0.004	0.04	0.05	0.03	0.03	0.01	0.02
Hexaldehyde	0.002	0.02	0.01	0.01	0.01	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

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SAMPLE #		34819	34973	35072	35177	35318 D1	35318 R1
SAMPLE DATE		8/1/2003	8/7/2003	8/13/2003	8/19/2003	8/25/2003	8/25/2003
ANALYSIS DATE		9/4/2003	9/8/2003	9/9/2003	9/23/2003	9/26/2003	9/26/2003
FILE NAME	MDL	V3IC024	V3IH008	F3II020	F3IV014	F3IY030	F3IY031
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.05	1.90	3.83	3.16	4.29	4.25
Acetaldehyde	0.016	0.44	0.53	0.72	0.61	0.91	0.91
Acetone	0.015	0.19	0.10	0.61	0.69	0.66	0.65
Propionaldehyde	0.004	0.06	0.08	0.08	0.08	0.14	0.13
Crotonaldehyde	0.005	0.13	0.18	0.45	0.22	0.28	0.28
Butyr/Isobutyraldehyde	0.007	0.06	0.06	0.10	0.10	0.10	0.10
Benzaldehyde	0.001	0.02	0.02	0.05	0.03	0.04	0.04
Isovaleraldehyde	0.002	0.04	0.03	ND	ND	ND	ND
Valeraldehyde	0.001	0.04	0.03	0.02	0.02	0.02	0.03
Tolualdehydes	0.004	0.01	0.02	0.03	0.03	0.03	0.04
Hexaldehyde	0.002	0.06	0.03	0.03	0.03	0.04	0.05
2,5-Dimethylbenzaldehyde	0.002	ND	0.01	ND	ND	ND	ND

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SAMPLE #		35320 D2	35320 R2	35554	35653	35772 D1	35772 R1
SAMPLE DATE		8/25/2003	8/25/2003	8/31/2003	9/6/2003	9/12/2003	9/12/2003
ANALYSIS DATE		9/26/2003	9/26/2003	9/29/2003	10/16/2003	10/21/2003	10/21/2003
FILE NAME	MDL	F3IY032	F3IY033	F3I#014	V3JO028	F3JT023	F3JT024
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	4.36	4.30	2.13	1.90	1.77	1.82
Acetaldehyde	0.016	0.93	0.93	0.45	0.46	0.57	0.56
Acetone	0.015	0.68	0.68	0.95	1.00	0.84	0.84
Propionaldehyde	0.004	0.14	0.14	0.05	0.06	0.08	0.07
Crotonaldehyde	0.005	0.27	0.27	0.18	0.19	0.09	0.09
Butyr/Isobutyraldehyde	0.007	0.09	0.09	0.09	0.13	0.08	0.08
Benzaldehyde	0.001	0.04	0.04	0.02	0.04	0.02	0.02
Isovaleraldehyde	0.002	ND	ND	ND	0.01	0.02	0.02
Valeraldehyde	0.001	0.03	0.02	0.01	0.02	0.02	0.02
Tolualdehydes	0.004	0.05	0.04	0.02	0.02	0.04	0.01
Hexaldehyde	0.002	0.03	0.03	0.02	0.03	0.04	0.03
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

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SAMPLE #		35774 D2	35774 R2	35832	35922	36016	36142
SAMPLE DATE		9/12/2003	9/12/2003	9/18/2003	9/24/2003	9/30/2003	10/6/2003
ANALYSIS DATE		10/21/2003	10/21/2003	10/28/2003	10/29/2003	11/4/2003	11/12/2003
FILE NAME	MDL	F3JT025	F3JT026	F3J!010	F3J!023	V3KC024	V3KK014
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.78	1.80	1.77	1.78	1.09	0.88
Acetaldehyde	0.016	0.53	0.54	0.51	0.61	0.44	0.44
Acetone	0.015	0.80	0.81	0.72	1.08	1.04	1.10
Propionaldehyde	0.004	0.08	0.07	0.07	0.07	0.05	0.06
Crotonaldehyde	0.005	0.09	0.09	0.11	0.09	0.04	0.03
Butyr/Isobutyraldehyde	0.007	0.07	0.07	0.07	0.08	0.08	0.09
Benzaldehyde	0.001	0.02	0.02	0.02	0.02	0.02	0.01
Isovaleraldehyde	0.002	0.02	0.02	ND	ND	0.004	ND
Valeraldehyde	0.001	0.03	0.05	0.02	0.01	0.02	0.01
Tolualdehydes	0.004	0.01	0.01	0.02	0.03	0.01	0.02
Hexaldehyde	0.002	0.02	0.02	0.02	0.04	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

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SAMPLE #		36239	36330	36342 D1	36342 R1	36344 D2	36344 R2
SAMPLE DATE		10/12/2003	10/18/2003	10/24/2003	10/24/2003	10/24/2003	10/24/2003
ANALYSIS DATE		11/20/2003	11/25/2003	11/26/2003	11/26/2003	11/26/2003	11/26/2003
FILE NAME	MDL	V3KT009	V3KX030	V3KX046	V3KX047	V3KX048	V3KX049
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.73	1.09	1.08	1.06	1.13	1.13
Acetaldehyde	0.016	0.80	0.78	0.61	0.61	0.65	0.65
Acetone	0.015	1.18	1.32	1.28	1.28	1.34	1.34
Propionaldehyde	0.004	0.08	0.08	0.06	0.06	0.07	0.07
Crotonaldehyde	0.005	0.07	0.03	0.02	0.02	0.02	0.02
Butyr/Isobutyraldehyde	0.007	0.13	0.16	0.18	0.17	0.19	0.19
Benzaldehyde	0.001	0.02	0.02	0.02	0.02	0.02	0.02
Isovaleraldehyde	0.002	0.01	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.02	0.02	0.02	0.02	0.02	0.02
Tolualdehydes	0.004	0.02	0.02	0.01	0.01	0.01	0.01
Hexaldehyde	0.002	0.02	0.03	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

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SAMPLE #		36445	36581	36583	36821	36921 D1	36921 R1
SAMPLE DATE		10/30/2003	11/5/2003	11/11/2003	11/23/2003	11/29/2003	11/29/2003
ANALYSIS DATE		12/11/2003	12/2/2003	12/15/2003	12/31/2003	1/1/2004	1/1/2004
FILE NAME	MDL	F3LJ021	V3LA018	V3LN011	F3L\$022	F3L%024	F3L%025
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.08	0.92	2.11	2.76	0.82	0.81
Acetaldehyde	0.016	0.81	0.52	1.32	1.64	0.46	0.47
Acetone	0.015	1.22	0.58	1.66	1.64	0.83	0.83
Propionaldehyde	0.004	0.07	0.06	0.13	0.21	0.05	0.05
Crotonaldehyde	0.005	0.02	0.04	0.04	0.05	0.01	0.01
Butyr/Isobutyraldehyde	0.007	0.11	0.17	0.21	0.24	0.11	0.11
Benzaldehyde	0.001	0.02	0.02	0.04	0.04	0.01	0.01
Isovaleraldehyde	0.002	ND	0.00	0.01	ND	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.03	0.03	0.01	0.01
Tolualdehydes	0.004	0.02	0.03	0.03	0.04	0.01	0.02
Hexaldehyde	0.002	0.02	0.03	0.03	0.03	0.02	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

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SAMPLE #		36923 D2	36923 R2	37015	37073	37075	37197
SAMPLE DATE		11/29/2003	11/29/2003	12/5/03	12/11/03	12/14/03	12/17/03
ANALYSIS DATE		1/1/2004	1/1/2004	1/11/04	1/14/04	1/23/04	1/30/04
FILE NAME	MDL	F3L%026	F3L%027	V4AK014	V4AN011	V4AV048	V4A#022
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	0.82	0.83	1.27	0.69	0.95	0.26
Acetaldehyde	0.016	0.48	0.48	0.70	0.36	0.53	0.15
Acetone	0.015	0.82	0.82	0.96	0.57	0.64	0.32
Propionaldehyde	0.004	0.05	0.05	0.07	0.04	0.06	0.02
Crotonaldehyde	0.005	0.02	0.02	0.03	0.01	0.03	0.01
Butyr/Isobutyraldehyde	0.007	0.12	0.12	0.16	0.11	0.10	0.03
Benzaldehyde	0.001	0.01	0.01	0.02	0.01	0.01	0.01
Isovaleraldehyde	0.002	ND	ND	ND	0.0003 u	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.02	0.01	0.01	0.01
Tolualdehydes	0.004	0.01	0.01	0.02	0.02	0.02	0.01
Hexaldehyde	0.002	0.01	0.01	0.02	0.02	0.02	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

u Under detection limit.
ND Not detected.

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SAMPLE #		37238	37345
SAMPLE DATE		12/23/03	12/29/03
ANALYSIS DATE		2/4/04	2/5/04
FILE NAME	MDL	V4BB046	V4BD008
UNITS	ppbv	ppbv	ppbv
Formaldehyde	0.026	2.42	2.27
Acetaldehyde	0.016	1.25	1.55
Acetone	0.015	1.72	1.58
Propionaldehyde	0.004	0.12	0.16
Crotonaldehyde	0.005	0.05	0.04
Butyr/Isobutyraldehyde	0.007	0.13	0.16
Benzaldehyde	0.001	0.04	0.03
Isovaleraldehyde	0.002	0.01	0.01
Valeraldehyde	0.001	0.02	0.03
Tolualdehydes	0.004	0.03	0.03
Hexaldehyde	0.002	0.03	0.03
2,5-Dimethylbenzaldehyde	0.002	ND	ND

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(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	V3BL013 31545 FB 1/15/2003 2/12/2003	Meets Criteria (Y/N)	V3BX051 31679 FB 1/21/2003 2/25/2003	Meets Criteria (Y/N)	V3CC018 31803 FB 2/2/2003 3/3/2003	Meets Criteria (Y/N)	F3CL015 32031 FB 2/20/2003 3/12/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.0345	Y	0.0645	Y	0.036	Y	0.011	Y
Acetaldehyde	<0.4	0.0665	Y	0.1025	Y	0.104	Y	0.079	Y
Acetone	<0.75	0.2795	Y	0.213	Y	0.175	Y	0.194	Y
Propionaldehyde		0.007		0.014		0.012		0.007	
Crotonaldehyde		ND		ND		ND		0.005	
Butyraldehyde		0.05		0.06		0.098		0.134	
Benzaldehyde		0.025		0.0145		0.007		0.019	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.008		0.011		0.012		0.006	
Tolualdehydes		0.0345		0.028		0.013		0.022	
Hexaldehyde		0.028		0.0265		0.032		0.023	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5- Dimethylbenzaldehyde	<7.0	0.153	Y	0.154	Y	0.174	Y	0.215	Y

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(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	VOID 32265 FB 3/10/2003 VOID	Meets Criteria (Y/N)	F3DX014 32375 FB 3/16/2003 4/24/2003	Meets Criteria (Y/N)	V3EW007 32736 FB 4/15/2003 5/23/2003	Meets Criteria (Y/N)	V3E#017 32876 FB 4/21/2003 5/29/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3			0.046	Y	0.021	Y	0.020	Y
Acetaldehyde	<0.4			0.057	Y	0.029	Y	0.031	Y
Acetone	<0.75			0.130	Y	0.119	Y	0.134	Y
Propionaldehyde				0.001		ND		0.005	
Crotonaldehyde				0.011		0.009		0.010	
Butyraldehyde				0.186		0.076		0.083	
Benzaldehyde				0.004		0.012		0.014	
Isovaleraldehyde				ND		ND		ND	
Valeraldehyde				0.004		0.004		0.006	
Tolualdehydes				0.012		0.052		0.034	
Hexaldehyde				0.013		0.017		0.010	
2,5-Dimethylbenzaldehyde				ND		ND		ND	
Sum total of Propionaldehyde through 2,5- Dimethylbenzaldehyde	<7.0	0.000	Y	0.230	Y	0.169	Y	0.160	Y

Chester, NJ (CHNJ) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	F3FE020 33187 FB 5/9/2003 6/6/2003	Meets Criteria (Y/N)	V3GB032 33392 FB 5/27/2003 7/3/2003	Meets Criteria (Y/N)	F3GZ032 33781 FB 6/14/2003 7/27/2003	Meets Criteria (Y/N)	F3GI025 33957 FB 6/20/2003 7/29/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.026	Y	0.079	Y	0.070	Y	0.102	Y
Acetaldehyde	<0.4	0.044	Y	0.097	Y	0.072	Y	0.105	Y
Acetone	<0.75	0.151	Y	0.134	Y	0.133	Y	0.162	Y
Propionaldehyde		0.006		0.007		0.007		0.004	
Crotonaldehyde		0.016		0.015		0.021		ND	
Butyraldehyde		0.242		0.056		0.234		0.199	
Benzaldehyde		0.008		0.017		0.021		0.014	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.006		ND		ND		0.007	
Tolualdehydes		0.006		0.055		0.022		0.025	
Hexaldehyde		0.011		0.018		0.032		0.016	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5- Dimethylbenzaldehyde	<7.0	0.292	Y	0.167	Y	0.336	Y	0.264	Y

Chester, NJ (CHNJ) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	F3HN021 34251 FB 7/8/2003 8/15/2003	Meets Criteria (Y/N)	F3H~011 34635 FB 7/26/2003 8/27/2003	Meets Criteria (Y/N)	F3II021 35071 FB 8/13/2003 9/9/2003	Meets Criteria (Y/N)	F3I#013 35553 FB 8/31/2003 9/29/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.051	Y	0.026	Y	0.030	Y	0.037	Y
Acetaldehyde	<0.4	0.093	Y	0.086	Y	0.094	Y	0.098	Y
Acetone	<0.75	0.206	Y	0.231	Y	0.208	Y	0.269	Y
Propionaldehyde		0.007		0.005		0.008		0.013	
Crotonaldehyde		0.009		0.029		0.008		0.010	
Butyraldehyde		0.059		0.039		0.123		0.093	
Benzaldehyde		0.010		0.010		0.015		0.018	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.007		ND		0.004		0.013	
Tolualdehydes		0.032		0.034		0.025		0.026	
Hexaldehyde		0.017		0.017		0.019		0.023	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5- Dimethylbenzaldehyde	<7.0	0.139	Y	0.134	Y	0.201	Y	0.195	Y

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(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	V3JO029 35654 FB 9/6/2003 10/16/2003	Meets Criteria (Y/N)	F3JI022 35921 FB 9/24/2003 10/29/2003	Meets Criteria (Y/N)	V3KT010 36238 FB 10/12/2003 11/20/2003	Meets Criteria (Y/N)	F3LJ022 36444 FB 10/30/2003 12/11/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.035	Y	0.039	Y	0.035	Y	0.030	Y
Acetaldehyde	<0.4	0.132	Y	0.127	Y	0.124	Y	0.235	Y
Acetone	<0.75	0.268	Y	0.277	Y	0.246	Y	0.328	Y
Propionaldehyde		0.011		0.013		0.011		0.027	
Crotonaldehyde		0.024		0.008		0.013		0.015	
Butyraldehyde		0.132		0.065		0.129		0.146	
Benzaldehyde		0.029		0.015		0.020		0.017	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.017		0.032		0.011		0.019	
Tolualdehydes		0.032		0.024		0.020		0.022	
Hexaldehyde		0.038		0.022		0.032		0.041	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5- Dimethylbenzaldehyde	<7.0	0.282	Y	0.178	Y	0.235	Y	0.286	Y

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(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	V3LA017 36580 FB 11/5/2003 12/2/2003	Meets Criteria (Y/N)	F3L\$023 36820 FB 11/23/2003 12/31/2003	Meets Criteria (Y/N)	V4AN012 37072 FB 12/11/03 1/14/04	Meets Criteria (Y/N)	V4BD009 37344 FB 12/29/03 2/5/04	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.042	Y	0.066	Y	0.020	Y	0.024	Y
Acetaldehyde	<0.4	0.048	Y	0.126	Y	0.042	Y	0.073	Y
Acetone	<0.75	0.155	Y	0.152	Y	0.094	Y	0.122	Y
Propionaldehyde		0.007		0.012		ND		0.002	
Crotonaldehyde		0.038		0.012		0.016		0.007	
Butyraldehyde		0.206		0.171		0.159		0.068	
Benzaldehyde		0.018		0.014		0.009		0.012	
Isovaleraldehyde		ND		ND		0.008		ND	
Valeraldehyde		0.004		0.009		0.003		0.009	
Tolualdehydes		0.054		0.057		0.060		0.059	
Hexaldehyde		0.016		0.030		0.032		0.028	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5- Dimethylbenzaldehyde	<7.0	0.340	Y	0.304	Y	0.284	Y	0.183	Y

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SAMPLE #		31471	31483	31607	31659	31814 D1	31814 R1
SAMPLE DATE		1/3/2003	1/9/2003	1/15/2003	1/21/2003	1/27/2003	1/27/2003
ANALYSIS DATE		2/11/2003	2/11/2003	2/13/2003	2/27/2003	3/4/2003	3/4/2003
FILE NAME	MDL	V3BJ043	V3BJ039	V3BL022	V3BZ018	V3CC039	V3CC040
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.039	1.97	2.07	1.33	1.29	2.03	2.03
Acetaldehyde	0.024	1.04	0.89	0.72	0.63	1.09	1.11
Acetone	0.023	1.29	0.82	0.95	0.83	1.22	1.24
Propionaldehyde	0.006	0.11	0.05	0.05	0.02	0.10	0.10
Crotonaldehyde	0.008	0.01	0.01	0.005 u	0.004 u	0.02	0.02
Butyr/Isobutyraldehyde	0.011	0.11	0.08	0.06	0.04	0.13	0.14
Benzaldehyde	0.002	0.03	0.02	0.06	0.01	0.05	0.06
Isovaleraldehyde	0.003	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.002	0.02	0.02	0.01	0.01	0.02	0.02
Tolualdehydes	0.006	0.03	0.02	0.02	0.01	0.04	0.04
Hexaldehyde	0.003	0.02	0.02	0.02	0.01	0.04	0.03
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

u Under detection limit.
ND Not detected.

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SAMPLE #		31815 D2	31815 R2	31851	31924	31955	32085
SAMPLE DATE		1/27/2003	1/27/2003	2/2/2003	2/8/2003	2/14/2003	2/20/2003
ANALYSIS DATE		3/4/2003	3/4/2003	3/4/2003	3/11/2003	3/11/2003	3/18/2003
FILE NAME	MDL	V3CC041	V3CC042	V3CC037	V3CJ023	F3CJ019	V3CQ014
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.039	2.01	2.02	1.86	1.38	1.72	1.91
Acetaldehyde	0.024	1.10	1.11	0.74	0.44	0.93	0.71
Acetone	0.023	1.27	1.27	0.81	0.56	1.48	0.95
Propionaldehyde	0.006	0.10	0.10	0.06	0.02	0.07	0.05
Crotonaldehyde	0.008	0.02	0.02	0.01	0.004 u	0.01	0.01
Butyr/Isobutyraldehyde	0.011	0.14	0.13	0.09	0.03	0.11	0.07
Benzaldehyde	0.002	0.06	0.06	0.02	0.01	0.02	0.02
Isovaleraldehyde	0.003	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.002	0.02	0.02	0.01	0.01	0.02	0.01
Tolualdehydes	0.006	0.04	0.04	0.03	0.01	0.02	0.02
Hexaldehyde	0.003	0.04	0.05	0.02	0.01	0.02	0.03
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

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SAMPLE #		32186 D1	32186 R1	32188 D2	32188 R2	32249	32279
SAMPLE DATE		2/26/2003	2/26/2003	2/26/2003	2/26/2003	3/4/2003	3/10/2003
ANALYSIS DATE		4/1/2003	4/1/2003	4/1/2003	4/1/2003	4/7/2003	4/4/2003
FILE NAME	MDL	V3C%039	V3C%040	V3C%041	V3C%042	F3DG017	V3DC029
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.039	2.36	2.36	2.21	2.33	1.33	2.10
Acetaldehyde	0.024	1.23	1.25	1.25	1.25	0.50	1.09
Acetone	0.023	1.24	1.24	1.28	1.29	0.71	1.27
Propionaldehyde	0.006	0.11	0.11	0.11	0.11	0.04	0.09
Crotonaldehyde	0.008	0.02	0.03	0.02	0.02	0.01	0.01
Butyr/Isobutyraldehyde	0.011	0.17	0.18	0.16	0.16	0.06	0.15
Benzaldehyde	0.002	0.06	0.06	0.06	0.06	0.01	0.03
Isovaleraldehyde	0.003	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.002	0.03	0.03	0.03	0.03	0.01	0.03
Tolualdehydes	0.006	0.05	0.05	0.04	0.04	0.01	0.03
Hexaldehyde	0.003	0.04	0.03	0.04	0.04	0.01	0.03
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

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SAMPLE #		32399	32477	32504 D1	32504 R1	32506 D2	32506 R2
SAMPLE DATE		3/16/2003	3/22/2003	3/28/2003	3/28/2003	3/28/2003	3/28/2003
ANALYSIS DATE		4/25/2003	4/30/2003	5/1/2003	5/1/2003	5/1/2003	5/1/2003
FILE NAME	MDL	F3DX028	F3D\$010	F3D\$027	F3D\$028	F3D\$029	F3D\$030
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.039	1.92	1.55	1.01	1.01	1.01	1.02
Acetaldehyde	0.024	0.94	0.64	0.22	0.22	0.27	0.26
Acetone	0.023	1.57	1.16	0.56	0.56	0.59	0.60
Propionaldehyde	0.006	0.09	0.05	0.01	0.01	0.01	0.02
Crotonaldehyde	0.008	0.07	0.02	0.01	0.01	0.02	0.01
Butyr/Isobutyraldehyde	0.011	0.17	0.11	0.08	0.08	0.09	0.09
Benzaldehyde	0.002	0.03	0.02	0.01	0.01	0.01	0.01
Isovaleraldehyde	0.003	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.002	0.02	0.02	0.004	0.004	0.01	0.01
Tolualdehydes	0.006	0.03	0.02	0.01	0.01	0.01	0.01
Hexaldehyde	0.003	0.04	0.01	0.01	0.01	0.01	0.01
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

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SAMPLE #		32635	32727	32766	32829	32950	33179
SAMPLE DATE		4/3/2003	4/9/2003	4/15/2003	4/21/2003	4/27/2003	5/3/2003
ANALYSIS DATE		5/7/2003	5/9/2003	5/15/2003	5/20/2003	5/22/2003	6/4/2003
FILE NAME	MDL	F3EF028	F3EH030	V3EO009	F3ES031	V3EU019	F3FC020
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.039	1.63	1.76	2.54	1.88	1.57	1.89
Acetaldehyde	0.024	0.54	0.72	0.79	0.44	0.34	0.73
Acetone	0.023	1.10	1.30	1.90	0.94	0.62	1.22
Propionaldehyde	0.006	0.04	0.05	0.06	0.03	0.01	0.04
Crotonaldehyde	0.008	0.02	0.02	0.02	0.02	0.01	0.02
Butyr/Isobutyraldehyde	0.011	0.10	0.10	0.09	0.14	0.05	0.12
Benzaldehyde	0.002	0.01	0.02	0.02	0.01	0.01	0.03
Isovaleraldehyde	0.003	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.002	0.01	0.01	0.02	0.01	0.01	0.01
Tolualdehydes	0.006	0.02	0.03	0.03	0.02	0.02	0.04
Hexaldehyde	0.003	0.01	0.01	0.03	0.01	0.01	0.01
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

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SAMPLE #		33216	33244 D1	33244 R1	33246 D2	33246 R2	33350
SAMPLE DATE		5/9/2003	5/15/2003	5/15/2003	5/15/2003	5/15/2003	5/21/2003
ANALYSIS DATE		6/6/2003	6/6/2003	6/6/2003	6/6/2003	6/6/2003	7/1/2003
FILE NAME	MDL	F3FE030	V3FE041	V3FE042	V3FE043	V3FE044	V3F\$022
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.039	1.49	2.08	2.07	2.23	2.23	2.99
Acetaldehyde	0.024	0.55	0.51	0.51	0.52	0.53	0.75
Acetone	0.023	1.20	1.14	1.14	1.16	1.16	1.33
Propionaldehyde	0.006	0.04	0.03	0.03	0.04	0.04	0.04
Crotonaldehyde	0.008	0.01	0.02	0.01	0.01	0.01	0.01
Butyr/Isobutyraldehyde	0.011	0.09	0.06	0.06	0.06	0.06	0.04
Benzaldehyde	0.002	0.02	0.02	0.02	0.01	0.02	0.01
Isovaleraldehyde	0.003	ND	0.004	0.01	0.001 u	0.002 u	0.001 u
Valeraldehyde	0.002	0.01	0.01	0.01	0.01	0.01	0.01
Tolualdehydes	0.006	0.02	0.02	0.03	0.02	0.02	0.02
Hexaldehyde	0.003	0.01	0.01	0.01	0.01	0.01	0.01
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

u Under detection limit.
ND Not detected.

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SAMPLE #		33410	33579	33605	33715	33926	34004 D1
SAMPLE DATE		5/27/2003	6/3/2003	6/8/2003	6/14/2003	6/20/2003	6/26/2003
ANALYSIS DATE		7/3/2003	7/16/2003	7/16/2003	7/26/2003	7/28/2003	7/31/2003
FILE NAME	MDL	V3GB019	V3GO025	V3GO035	F3GZ022	F3GI017	F3G\$049
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.039	3.75	3.94	2.68	2.63	4.22	2.91
Acetaldehyde	0.024	0.98	0.51	0.70	0.82	0.83	0.68
Acetone	0.023	1.26	0.99	1.24	1.01	0.74	1.49
Propionaldehyde	0.006	0.06	0.03	0.04	0.05	0.03	0.03
Crotonaldehyde	0.008	0.02	0.01	0.01	0.02	0.02	0.03
Butyr/Isobutyraldehyde	0.011	0.04	0.03	0.05	0.14	0.08	0.07
Benzaldehyde	0.002	0.02	0.01	0.02	0.03	0.01	0.02
Isovaleraldehyde	0.003	0.002 u	ND	ND	ND	ND	ND
Valeraldehyde	0.002	0.01	0.005	0.004	0.01	0.01	0.01
Tolualdehydes	0.006	0.02	0.02	0.02	0.03	0.01	0.02
Hexaldehyde	0.003	0.01	0.01	0.01	0.01	0.01	0.01
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

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SAMPLE #		34006 D2	34206	34325	34544 D1	34544 R1	34546 D2
SAMPLE DATE		6/26/2003	7/2/2003	7/8/2003	7/14/2003	7/14/2003	7/14/2003
ANALYSIS DATE		VOID	8/7/2003	8/15/2003	8/19/2003	8/19/2003	8/19/2003
FILE NAME	MDL	VOID	F3HF048	F3HN026	F3HR045	F3HR046	F3HR047
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.039		4.02	3.82	3.91	4.03	3.15
Acetaldehyde	0.024		1.87	1.08	1.99	2.04	1.69
Acetone	0.023		2.06	0.86	2.09	2.16	2.02
Propionaldehyde	0.006		0.10	0.05	0.11	0.12	0.07
Crotonaldehyde	0.008		0.07	0.03	0.08	0.08	0.08
Butyr/Isobutyraldehyde	0.011		0.08	0.05	0.09	0.10	0.10
Benzaldehyde	0.002		0.03	0.02	0.11	0.11	0.20
Isovaleraldehyde	0.003		ND	ND	ND	ND	ND
Valeraldehyde	0.002		0.04	0.01	0.05	0.05	0.07
Tolualdehydes	0.006		0.04	0.02	0.04	0.05	0.06
Hexaldehyde	0.003		0.04	0.02	0.08	0.07	0.09
2,5-Dimethylbenzaldehyde	0.003		ND	ND	ND	ND	ND

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SAMPLE #		34546 R2	34616	34748	34781	34977	35063
SAMPLE DATE		7/14/2003	7/20/2003	7/26/2003	8/1/2003	8/7/2003	8/13/2003
ANALYSIS DATE		8/19/2003	8/8/2003	8/28/2003	9/4/2003	9/8/2003	9/9/2003
FILE NAME	MDL	F3HR048	F3HF063	F3H-018	V3IC019	V3IH010	F3II024
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.039	3.16	4.55	4.60	3.71	4.73	4.48
Acetaldehyde	0.024	1.71	1.88	1.38	1.74	1.38	1.78
Acetone	0.023	2.04	1.93	1.37	1.60	1.07	2.15
Propionaldehyde	0.006	0.08	0.14	0.07	0.11	0.07	0.13
Crotonaldehyde	0.008	0.08	0.13	0.06	0.06	0.08	0.07
Butyr/Isobutyraldehyde	0.011	0.10	0.12	0.06	0.08	0.04	0.13
Benzaldehyde	0.002	0.20	0.05	0.02	0.03	0.03	0.04
Isovaleraldehyde	0.003	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.002	0.07	0.06	0.02	0.03	0.03	0.04
Tolualdehydes	0.006	0.07	0.05	0.03	0.03	0.02	0.03
Hexaldehyde	0.003	0.08	0.05	0.02	0.02	0.03	0.04
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

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SAMPLE #		35187	35329	35557	35594	35807	35809
SAMPLE DATE		8/19/2003	8/25/2003	8/31/2003	9/6/2003	9/12/2003	9/18/2003
ANALYSIS DATE		9/23/2003	9/26/2003	9/30/2003	10/8/2003	9/24/2003	9/24/2003
FILE NAME	MDL	F3IV021	F3IY015	F3I#018	V3JH018	F3IW023	F3IW024
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.039	2.98	3.27	2.95	3.78	1.59	1.76
Acetaldehyde	0.024	1.22	1.72	0.74	1.60	0.43	0.47
Acetone	0.023	0.94	2.03	1.19	1.70	0.98	0.86
Propionaldehyde	0.006	0.07	0.11	0.05	0.08	0.02	0.02
Crotonaldehyde	0.008	0.03	0.09	0.02	0.04	0.02	0.02
Butyr/Isobutyraldehyde	0.011	0.09	0.10	0.08	0.10	0.07	0.07
Benzaldehyde	0.002	0.03	0.03	0.02	0.04	0.01	0.01
Isovaleraldehyde	0.003	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.002	0.02	0.03	0.01	0.03	0.01	0.005
Tolualdehydes	0.006	0.03	0.04	0.02	0.02	0.02	0.01
Hexaldehyde	0.003	0.02	0.03	0.02	0.03	0.02	0.01
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

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SAMPLE #		35914	36014	36140	36214	36301	36367 D1
SAMPLE DATE		9/24/2003	9/30/2003	10/6/2003	10/12/2003	10/18/2003	10/24/2003
ANALYSIS DATE		10/28/2003	11/4/2003	11/12/2003	11/21/2003	11/25/2003	11/26/2003
FILE NAME	MDL	F3J!019	V3KC025	V3KK013	V3KT019	V3KX022	V3KX064
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.039	2.07	1.18	2.06	1.37	1.49	1.03
Acetaldehyde	0.024	0.81	0.67	1.42	0.93	1.02	0.53
Acetone	0.023	1.37	1.39	2.91	1.57	1.80	1.03
Propionaldehyde	0.006	0.04	0.08	0.14	0.09	0.13	0.05
Crotonaldehyde	0.008	0.01	0.04	0.10	0.04	0.07	0.03
Butyr/Isobutyraldehyde	0.011	0.05	0.10	0.18	0.16	0.20	0.23
Benzaldehyde	0.002	0.02	0.02	0.02	0.02	0.03	0.02
Isovaleraldehyde	0.003	ND	ND	0.02	ND	ND	ND
Valeraldehyde	0.002	0.01	0.02	0.04	0.03	0.03	0.02
Tolualdehydes	0.006	0.02	0.02	0.04	0.02	0.04	0.02
Hexaldehyde	0.003	0.01	0.02	0.05	0.03	0.05	0.02
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

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SAMPLE #		36367 R1	36369 D2	36369 R2	36482	36537	36660
SAMPLE DATE		10/24/2003	10/24/2003	10/24/2003	10/30/2003	11/5/2003	11/11/2003
ANALYSIS DATE		11/26/2003	11/26/2003	11/27/2003	12/11/2003	12/11/2003	12/15/2003
FILE NAME	MDL	V3KX065	V3KX066	V3KX067	V3LJ027	F3LK013	F3LN019
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.039	1.01	1.17	1.17	0.53	2.99	1.10
Acetaldehyde	0.024	0.55	0.68	0.68	0.35	1.80	0.55
Acetone	0.023	1.02	1.23	1.23	0.69	1.80	1.00
Propionaldehyde	0.006	0.05	0.07	0.07	0.03	0.17	0.06
Crotonaldehyde	0.008	0.04	0.03	0.04	0.02	0.14	0.05
Butyr/Isobutyraldehyde	0.011	0.21	0.17	0.17	0.22	0.31	0.12
Benzaldehyde	0.002	0.02	0.02	0.02	0.01	0.07	0.02
Isovaleraldehyde	0.003	ND	ND	ND	ND	0.03	ND
Valeraldehyde	0.002	0.02	0.02	0.02	0.01	0.04	0.01
Tolualdehydes	0.006	0.03	0.03	0.02	0.02	0.07	0.02
Hexaldehyde	0.003	0.02	0.02	0.02	0.01	0.05	0.02
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

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SAMPLE #		36765	36863	36876	37024	37098	37154
SAMPLE DATE		11/17/2003	11/23/2003	11/29/2003	12/5/03	12/11/03	12/17/03
ANALYSIS DATE		12/28/2003	12/31/2003	1/8/2004	1/11/04	1/15/04	1/29/04
FILE NAME	MDL	F3L!009	F3L\$028	F4AH008	V4AK009	V4AN018	V4A#011
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.039	0.86	1.99	1.86	1.76	2.64	0.28
Acetaldehyde	0.024	0.41	0.81	0.86	0.70	1.15	0.23
Acetone	0.023	0.81	0.95	1.20	0.79	1.09	0.54
Propionaldehyde	0.006	0.04	0.08	0.08	0.06	0.10	0.04
Crotonaldehyde	0.008	0.04	0.06	0.05	0.05	0.09	0.04
Butyr/Isobutyraldehyde	0.011	0.09	0.17	0.17	0.18	0.22	0.13
Benzaldehyde	0.002	0.01	0.03	0.03	0.02	0.06	0.06
Isovaleraldehyde	0.003	ND	0.01	0.02	0.01	0.02	ND
Valeraldehyde	0.002	0.01	0.01	0.02	0.02	0.02	0.03
Tolualdehydes	0.006	0.03	0.04	0.05	0.05	0.06	0.04
Hexaldehyde	0.003	0.02	0.03	0.03	0.02	0.03	0.04
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

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SAMPLE #		37224	37350
SAMPLE DATE		12/23/03	12/29/03
ANALYSIS DATE		2/4/04	2/5/04
FILE NAME	MDL	V4BB040	V4BD014
UNITS	ppbv	ppbv	ppbv
Formaldehyde	0.039	1.97	1.01
Acetaldehyde	0.024	1.16	0.61
Acetone	0.023	1.22	0.79
Propionaldehyde	0.006	0.11	0.06
Crotonaldehyde	0.008	0.07	0.05
Butyr/Isobutyraldehyde	0.011	0.14	0.09
Benzaldehyde	0.002	0.05	0.03
Isovaleraldehyde	0.003	ND	ND
Valeraldehyde	0.002	0.04	0.03
Tolualdehydes	0.006	0.06	0.04
Hexaldehyde	0.003	0.04	0.03
2,5-Dimethylbenzaldehyde	0.003	ND	ND

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(µg/cartridge)

Data File ID	Acceptance	V3BL025	Meets	V3BZ017	Meets	V3CC038	Meets	V3CQ015	Meets
FB ID	Criteria	31606 FB	Criteria	31658 FB	Criteria	31850 FB	Criteria	32084 FB	Criteria
Sample date	per	1/15/2003		1/21/2003		2/2/2003		2/20/2003	
Date Analyzed	QAPP	2/13/2003	(Y/N)	2/27/2003	(Y/N)	3/4/2003	(Y/N)	3/18/2003	(Y/N)
Formaldehyde	<0.3	0.036	Y	0.089	Y	0.024	Y	0.035	Y
Acetaldehyde	<0.4	0.071	Y	0.078	Y	0.119	Y	0.072	Y
Acetone	<0.75	0.219	Y	0.225	Y	0.218	Y	0.218	Y
Propionaldehyde		0.009		0.011		0.013		0.009	
Crotonaldehyde		ND		ND		ND		ND	
Butyraldehyde		0.050		0.057		0.071		0.070	
Benzaldehyde		0.015		0.014		0.007		0.022	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		ND		0.009		ND		ND	
Tolualdehydes		0.033		0.027		0.026		0.029	
Hexaldehyde		0.027		0.021		0.022		0.021	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.133	Y	0.139	Y	0.139	Y	0.150	Y

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(µg/cartridge)

Data File ID	Acceptance	V3DC030	Meets	F3DX023	Meets	V3EO010	Meets	F3ES030	Meets
FB ID	Criteria	32278 FB	Criteria	32398 FB	Criteria	32765 FB	Criteria	32828 FB	Criteria
Sample date	per	3/10/2003		3/16/2003		4/15/2003		4/21/2003	
Date Analyzed	QAPP	4/4/2003	(Y/N)	4/25/2003	(Y/N)	5/15/2003	(Y/N)	5/20/2003	(Y/N)
Formaldehyde	<0.3	0.031	Y	0.060	Y	0.027	Y	0.041	Y
Acetaldehyde	<0.4	0.112	Y	0.095	Y	0.076	Y	0.041	Y
Acetone	<0.75	0.133	Y	0.156	Y	0.176	Y	0.161	Y
Propionaldehyde		ND		0.011		0.009		ND	
Crotonaldehyde		ND		0.029		0.017		0.006	
Butyraldehyde		0.125		0.225		0.061		0.247	
Benzaldehyde		ND		0.012		0.015		0.008	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.008		0.009		0.012		0.001	
Tolualdehydes		0.023		0.018		0.027		0.012	
Hexaldehyde		0.022		0.017		0.019		0.014	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.178	Y	0.319	Y	0.158	Y	0.287	Y

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(µg/cartridge)

Data File ID	Acceptance	F3FE031	Meets	V3GB020	Meets	F3GZ023	Meets	F3G!016	Meets
FB ID	Criteria	33215 FB	Criteria	33409 FB	Criteria	33714 FB	Criteria	33925 FB	Criteria
Sample date	per	5/9/2003		5/27/2003		6/14/2003		6/20/2003	
Date Analyzed	QAPP	6/6/2003	(Y/N)	7/3/2003	(Y/N)	7/27/2003	(Y/N)	7/28/2003	(Y/N)
Formaldehyde	<0.3	0.032	Y	0.120	Y	0.054	Y	0.062	Y
Acetaldehyde	<0.4	0.106	Y	0.149	Y	0.131	Y	0.074	Y
Acetone	<0.75	0.177	Y	0.151	Y	0.167	Y	0.154	Y
Propionaldehyde		0.015		0.012		0.015		0.007	
Crotonaldehyde		0.006		0.022		0.020		0.008	
Butyraldehyde		0.212		0.063		0.199		0.186	
Benzaldehyde		0.012		0.018		0.008		0.010	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.019		0.005		ND		0.011	
Tolualdehydes		0.013		0.023		0.024		0.023	
Hexaldehyde		0.021		0.016		0.016		0.018	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.297	Y	0.157	Y	0.281	Y	0.262	Y

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(µg/cartridge)

Data File ID	Acceptance	F3HN027	Meets	F3H-019	Meets	F3II025	Meets	F3I#017	Meets
FB ID	Criteria	34324 FB	Criteria	34747 FB	Criteria	35062 FB	Criteria	35556 FB	Criteria
Sample date	per	7/8/2003		7/26/2003		8/13/2003		8/31/2003	
Date Analyzed	QAPP	8/15/2003	(Y/N)	8/28/2003	(Y/N)	9/9/2003	(Y/N)	9/29/2003	(Y/N)
Formaldehyde	<0.3	0.075	Y	0.106	Y	0.070	Y	0.033	Y
Acetaldehyde	<0.4	0.191	Y	0.088	Y	0.084	Y	0.094	Y
Acetone	<0.75	0.204	Y	0.285	Y	0.205	Y	0.268	Y
Propionaldehyde		0.014		0.005		0.012		0.010	
Crotonaldehyde		0.009		0.012		0.013		0.009	
Butyraldehyde		0.074		0.041		0.114		0.096	
Benzaldehyde		0.018		0.004		0.011		0.015	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		ND		0.006		0.006		0.011	
Tolualdehydes		0.038		0.028		0.028		0.032	
Hexaldehyde		0.020		0.017		0.017		0.020	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.171	Y	0.111	Y	0.199	Y	0.191	Y

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(µg/cartridge)

Data File ID	Acceptance	V3JH017	Meets	F3JI018	Meets	V3KT020	Meets	V3LJ026	Meets
FB ID	Criteria	35593 FB	Criteria	35913 FB	Criteria	36213 FB	Criteria	36481 FB	Criteria
Sample date	per	9/6/2003		9/24/2003		10/12/2003		10/30/2003	
Date Analyzed	QAPP	10/8/2003	(Y/N)	10/28/2003	(Y/N)	11/21/2003	(Y/N)	12/11/2003	(Y/N)
Formaldehyde	<0.3	0.058	Y	0.064	Y	0.034	Y	0.038	Y
Acetaldehyde	<0.4	0.136	Y	0.167	Y	0.142	Y	0.134	Y
Acetone	<0.75	0.274	Y	0.274	Y	0.258	Y	0.167	Y
Propionaldehyde		0.012		0.021		0.013		0.013	
Crotonaldehyde		0.014		0.011		0.012		0.010	
Butyraldehyde		0.068		0.072		0.143		0.242	
Benzaldehyde		0.019		0.016		0.014		0.013	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.012		0.008		0.019		0.013	
Tolualdehydes		0.034		0.040		0.030		0.047	
Hexaldehyde		0.029		0.025		0.031		0.019	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.187	Y	0.192	Y	0.262	Y	0.355	Y

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(µg/cartridge)

Data File ID	Acceptance	F3LK012	Meets	F3L\$029	Meets	V4AN017	Meets	V4BD013	Meets
FB ID	Criteria	36536 FB	Criteria	36862 FB	Criteria	37097 FB	Criteria	37349 FB	Criteria
Sample date	per	11/5/2003		11/23/2003		12/11/03		12/29/03	
Date Analyzed	QAPP	12/11/2003	(Y/N)	12/31/2003	(Y/N)	1/15/04	(Y/N)	2/5/04	(Y/N)
Formaldehyde	<0.3	0.050	Y	0.034	Y	0.020	Y	0.025	Y
Acetaldehyde	<0.4	0.123	Y	0.060	Y	0.031	Y	0.061	Y
Acetone	<0.75	0.171	Y	0.108	Y	0.070	Y	0.101	Y
Propionaldehyde		0.011		0.008		ND		0.002	
Crotonaldehyde		0.022		ND		0.019		0.009	
Butyraldehyde		0.172		0.136		0.133		0.060	
Benzaldehyde		0.012		0.013		0.008		0.008	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.066		0.004		ND		0.006	
Tolualdehydes		0.079		0.051		0.061		0.025	
Hexaldehyde		0.019		0.013		0.014		0.028	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.379	Y	0.224	Y	0.234	Y	0.136	Y

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SAMPLE #		31510 D2	31510 R2	31553	31676 D1	31676 R1	31677 D2
SAMPLE DATE		1/9/2003	1/9/2003	1/15/2003	1/21/2003	1/21/2003	1/21/2003
ANALYSIS DATE		2/7/2003	2/7/2003	2/25/2003	2/27/2003	2/27/2003	2/27/2003
FILE NAME	MDL	V3BE051	V3BE052	V3BX028	V3BZ034	V3BZ035	V3BZ036
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.86	1.87	1.69	2.41	2.42	2.36
Acetaldehyde	0.016	1.02	1.03	1.11	1.21	1.21	1.16
Acetone	0.015	0.97	0.98	2.15	0.80	0.81	0.76
Propionaldehyde	0.004	0.08	0.08	0.10	0.10	0.11	0.11
Crotonaldehyde	0.005	0.01	0.01	0.01	0.01	0.01	0.01
Butyr/Isobutyraldehyde	0.007	0.08	0.09	0.12	0.09	0.08	0.08
Benzaldehyde	0.001	0.04	0.04	0.03	0.11	0.11	0.11
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.02	0.02	0.02	0.01	0.01	0.01
Tolualdehydes	0.004	0.03	0.03	0.03	0.03	0.03	0.03
Hexaldehyde	0.002	0.02	0.02	0.03	0.03	0.02	0.03
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Ran 2.25 late due to power failure.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Clearwater, FL (CWFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31677 R2	31775 D1	31775 R1	31776 D2	31776 R2	31834
SAMPLE DATE		1/21/2003	1/27/2003	1/27/2003	1/27/2003	1/27/2003	2/2/2003
ANALYSIS DATE		2/27/2003	2/28/2003	2/28/2003	2/28/2003	2/28/2003	3/4/2003
FILE NAME	MDL	V3BZ037	F3BZ041	F3BZ042	F3BZ043	F3BZ044	F3CC021
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	2.35	2.68	2.69	2.76	2.76	2.10
Acetaldehyde	0.016	1.17	1.45	1.45	1.37	1.38	1.29
Acetone	0.015	0.75	1.62	1.62	1.44	1.44	1.51
Propionaldehyde	0.004	0.10	0.08	0.07	0.07	0.08	0.12
Crotonaldehyde	0.005	0.01	0.01	0.01	0.005 u	0.01	0.08
Butyr/Isobutyraldehyde	0.007	0.08	0.12	0.12	0.10	0.10	0.17
Benzaldehyde	0.001	0.11	0.03	0.03	0.03	0.03	0.03
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.01	0.01	0.01	0.02
Tolualdehydes	0.004	0.03	0.02	0.02	0.03	0.03	0.03
Hexaldehyde	0.002	0.03	0.02	0.01	0.01	0.01	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Ran 2.25 late due to power failure.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

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SAMPLE #		31931 D1	31931 R1	31932 D2	31932 R2	31973	32081 D1
SAMPLE DATE		2/8/2003	2/8/2003	2/8/2003	2/8/2003	2/14/2003	2/20/2003
ANALYSIS DATE		3/11/2003	3/11/2003	3/11/2003	3/11/2003	3/11/2003	3/19/2003
FILE NAME	MDL	V3CJ029	V3CJ030	V3CJ031	V3CJ032	F3CJ024	V3CQ024
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.46	1.46	1.49	1.49	2.97	3.15
Acetaldehyde	0.016	0.96	0.96	0.92	0.92	1.55	1.46
Acetone	0.015	0.98	0.97	0.89	0.88	1.52	0.86
Propionaldehyde	0.004	0.09	0.08	0.08	0.07	0.20	0.12
Crotonaldehyde	0.005	0.01	0.01	0.01	0.01	0.07	0.01
Butyr/Isobutyraldehyde	0.007	0.08	0.09	0.09	0.09	0.24	0.11
Benzaldehyde	0.001	0.03	0.03	0.03	0.03	0.07	0.04
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.01	0.01	0.03	0.02
Tolualdehydes	0.004	0.03	0.03	0.02	0.02	0.03	0.05
Hexaldehyde	0.002	0.02	0.02	0.02	0.03	0.04	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Ran 2.25 late due to power failure.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Clearwater, FL (CWFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32081 R1	32082 D2	32082 R2	31289	32219 D1	32219 R1
SAMPLE DATE		2/20/2003	2/20/2003	2/20/2003	2/26/2003	3/4/2003	3/4/2003
ANALYSIS DATE		3/19/2003	3/19/2003	3/19/2003	3/31/2003	4/4/2003	4/4/2003
FILE NAME	MDL	V3CQ025	V3CQ026	V3CQ027	V3C%010	V3DC037	V3DC038
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	3.17	2.85	2.88	2.19	1.85	1.86
Acetaldehyde	0.016	1.46	1.44	1.44	1.16	0.92	0.94
Acetone	0.015	0.86	0.74	0.74	0.40	0.27	0.26
Propionaldehyde	0.004	0.12	0.15	0.15	0.10	0.10	0.09
Crotonaldehyde	0.005	0.02	0.01	0.01	0.01	0.06	0.08
Butyr/Isobutyraldehyde	0.007	0.13	0.12	0.12	0.10	0.09	0.12
Benzaldehyde	0.001	0.04	0.04	0.04	0.04	0.06	0.06
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.02	0.01	0.02	0.02	0.01	0.01
Tolualdehydes	0.004	0.05	0.04	0.04	0.03	0.04	0.03
Hexaldehyde	0.002	0.02	0.02	0.03	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Ran 2.25 late due to power failure.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Clearwater, FL (CWFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32220 D2	32220 R2	32316	32485 D1	32485 R1	32486 D2
SAMPLE DATE		3/4/2003	3/4/2003	3/10/2003	3/22/2003	3/22/2003	3/22/2003
ANALYSIS DATE		4/4/2003	4/4/2003	4/4/2003	5/1/2003	5/1/2003	5/1/2003
FILE NAME	MDL	V3DC039	V3DC040	V3DC024	F3D\$023	F3D\$024	F3D\$021
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.42	1.41	2.29	2.55	2.52	2.37
Acetaldehyde	0.016	0.73	0.74	1.16	1.28	1.28	1.47
Acetone	0.015	0.25	0.25	0.79	0.53	0.53	0.48
Propionaldehyde	0.004	0.07	0.08	0.08	0.20	0.21	0.23
Crotonaldehyde	0.005	0.06	0.06	0.04	0.12	0.11	0.11
Butyr/Isobutyraldehyde	0.007	0.12	0.11	0.10	0.20	0.19	0.21
Benzaldehyde	0.001	0.05	0.05	0.04	0.04	0.04	0.05
Isovaleraldehyde	0.002	ND	ND	ND	0.02	0.02	0.03
Valeraldehyde	0.001	0.01	0.01	0.02	0.06	0.06	0.09
Tolualdehydes	0.004	0.02	0.02	0.03	0.02	0.02	0.02
Hexaldehyde	0.002	0.01	0.01	0.03	0.07	0.07	0.09
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Ran 2.25 late due to power failure.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Clearwater, FL (CWFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32486 R2	32585	32686 D1	32686 R1	32687 D2	32687 R2
SAMPLE DATE		3/22/2003	3/28/2003	4/3/2003	4/3/2003	4/3/2003	4/3/2003
ANALYSIS DATE		5/1/2003	5/7/2003	5/9/2003	5/9/2003	5/9/2003	5/9/2003
FILE NAME	MDL	F3D\$022	F3EF027	F3EH033	F3EH034	F3EH035	F3EH036
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	2.39	2.68	2.83	2.83	2.81	2.76
Acetaldehyde	0.016	1.47	1.16	1.66	1.67	1.73	1.73
Acetone	0.015	0.48	0.61	0.96	0.97	0.90	0.90
Propionaldehyde	0.004	0.23	0.15	0.23	0.23	0.24	0.25
Crotonaldehyde	0.005	0.11	0.11	0.09	0.09	0.09	0.09
Butyr/Isobutyraldehyde	0.007	0.20	0.16	0.22	0.22	0.23	0.22
Benzaldehyde	0.001	0.05	0.05	0.06	0.05	0.05	0.05
Isovaleraldehyde	0.002	0.04	0.02	0.02	0.03	0.03	0.03
Valeraldehyde	0.001	0.13	0.06	0.05	0.06	0.07	0.07
Tolualdehydes	0.004	0.02	0.02	0.07	0.02	0.04	0.02
Hexaldehyde	0.002	0.09	0.05	0.08	0.06	0.06	0.06
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Ran 2.25 late due to power failure.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Clearwater, FL (CWFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32688	32780 D1	32780 R1	32781 D2	32781 R2	32849
SAMPLE DATE		4/9/2003	4/15/2003	4/15/2003	4/15/2003	4/15/2003	4/21/2003
ANALYSIS DATE		5/8/2003	5/20/2003	5/20/2003	5/20/2003	5/20/2003	5/30/2003
FILE NAME	MDL	F3EH017	F3ES037	F3ES038	F3ES039	F3ES040	V3E#044
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.51	2.93	2.91	3.05	3.05	2.19
Acetaldehyde	0.016	0.60	1.36	1.36	1.42	1.42	0.95
Acetone	0.015	0.52	0.52	0.51	0.48	0.49	0.33
Propionaldehyde	0.004	0.07	0.15	0.15	0.16	0.16	0.15
Crotonaldehyde	0.005	0.05	0.15	0.15	0.14	0.14	0.07
Butyr/Isobutyraldehyde	0.007	0.13	0.20	0.20	0.20	0.20	0.10
Benzaldehyde	0.001	0.03	0.05	0.05	0.06	0.05	0.05
Isovaleraldehyde	0.002	0.01	0.01	0.01	0.01	0.01	0.01
Valeraldehyde	0.001	0.03	0.03	0.04	0.04	0.04	0.02
Tolualdehydes	0.004	0.02	0.03	0.02	0.02	0.03	0.03
Hexaldehyde	0.002	0.03	0.03	0.03	0.03	0.03	0.03
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Ran 2.25 late due to power failure.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Clearwater, FL (CWFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32947 D1	32947 R1	32948 D2	32948 R2	^33122	33223 D1
SAMPLE DATE		4/27/2003	4/27/2003	4/27/2003	4/27/2003	5/3/2003	5/9/2003
ANALYSIS DATE		5/22/2003	5/22/2003	5/22/2003	5/22/2003	6/3/2003	6/6/2003
FILE NAME	MDL	V3EU026	V3EU027	V3EU028	V3EU029	F3FB023	F3FE037
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	2.42	2.41	2.35	2.35	2.23	2.79
Acetaldehyde	0.016	1.29	1.30	1.30	1.31	1.04	1.30
Acetone	0.015	0.75	0.75	0.56	0.56	0.58	0.36
Propionaldehyde	0.004	0.15	0.15	0.17	0.17	0.11	0.14
Crotonaldehyde	0.005	0.12	0.12	0.11	0.12	0.12	0.19
Butyr/Isobutyraldehyde	0.007	0.12	0.12	0.12	0.12	0.19	0.23
Benzaldehyde	0.001	0.06	0.06	0.05	0.05	0.04	0.05
Isovaleraldehyde	0.002	0.01	0.01	0.01	0.01	0.01	0.02
Valeraldehyde	0.001	0.03	0.03	0.03	0.03	0.03	0.04
Tolualdehydes	0.004	0.03	0.03	0.02	0.03	0.01	0.02
Hexaldehyde	0.002	0.03	0.03	0.03	0.03	0.03	0.03
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	0.003

^ Ran 2.25 late due to power failure.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

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SAMPLE #		33223 R1	33224 D2	33224 R2	33321	33363 D1	33363 R1
SAMPLE DATE		5/9/2003	5/9/2003	5/9/2003	5/15/2003	5/21/2003	5/21/2003
ANALYSIS DATE		6/6/2003	6/6/2003	6/6/2003	6/26/2003	7/1/2003	7/1/2003
FILE NAME	MDL	F3FE038	F3FE039	F3FE040	V3FZ018	V3F\$031	V3F\$032
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	2.85	2.82	2.82	3.24	3.54	3.52
Acetaldehyde	0.016	1.31	1.26	1.26	2.18	1.55	1.53
Acetone	0.015	0.38	0.29	0.31	1.15	0.42	0.42
Propionaldehyde	0.004	0.15	0.13	0.13	0.22	0.19	0.19
Crotonaldehyde	0.005	0.17	0.17	0.16	0.19	0.18	0.18
Butyr/Isobutyraldehyde	0.007	0.21	0.18	0.18	0.16	0.11	0.11
Benzaldehyde	0.001	0.05	0.05	0.05	0.11	0.08	0.08
Isovaleraldehyde	0.002	0.01	0.02	0.02	0.04	0.02	0.02
Valeraldehyde	0.001	0.03	0.03	0.03	0.05	0.03	0.03
Tolualdehydes	0.004	0.02	0.02	0.02	0.04	0.02	0.02
Hexaldehyde	0.002	0.03	0.03	0.03	0.04	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	0.004	0.01	0.01	0.01	0.002 u	0.004

^ Ran 2.25 late due to power failure.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Clearwater, FL (CWFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		33364 D2	33364 R2	33421	33512 D1	33512 R1	33513 D2
SAMPLE DATE		5/21/2003	5/21/2003	5/27/2003	6/2/2003	6/2/2003	6/2/2003
ANALYSIS DATE		7/1/2003	7/1/2003	7/3/2003	7/9/2003	7/9/2003	7/9/2003
FILE NAME	MDL	V3F\$033	V3F\$034	V3GB021	V3GG062	V3GG063	V3GG064
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	2.46	2.45	2.27	2.08	2.09	2.01
Acetaldehyde	0.016	1.05	1.05	1.10	0.84	0.85	0.82
Acetone	0.015	0.38	0.38	0.42	0.37	0.37	0.32
Propionaldehyde	0.004	0.13	0.13	0.17	NR	NR	NR
Crotonaldehyde	0.005	0.12	0.12	0.12	0.08	0.09	0.09
Butyr/Isobutyraldehyde	0.007	0.09	0.08	0.10	0.10	0.11	0.10
Benzaldehyde	0.001	0.05	0.06	0.06	0.06	0.05	0.05
Isovaleraldehyde	0.002	0.01	0.01	0.01	0.01	0.01	0.01
Valeraldehyde	0.001	0.02	0.02	0.03	0.03	0.02	0.02
Tolualdehydes	0.004	0.03	0.01	0.02	0.02	0.02	0.01
Hexaldehyde	0.002	0.02	0.02	0.03	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	0.0001 u	ND	ND	ND

^ Ran 2.25 late due to power failure.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Clearwater, FL (CWFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		33513 R2	%33631	33818 D1	33818 R1	33819 D2	33819 R2
SAMPLE DATE		6/2/2003	6/8/2003	6/14/2003	6/14/2003	6/14/2003	6/14/2003
ANALYSIS DATE		7/9/2003	8/6/2003	7/28/2003	7/28/2003	7/28/2003	7/28/2003
FILE NAME	MDL	V3GG065	F3HF013	F3GZ059	F3GZ060	F3GZ061	F3GZ062
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	2.01	1.62	3.35	3.37	2.91	2.90
Acetaldehyde	0.016	0.82	0.64	1.07	1.09	1.02	1.01
Acetone	0.015	0.32	0.23	0.24	0.24	0.21	0.22
Propionaldehyde	0.004	NR	0.06	0.10	0.10	0.10	0.10
Crotonaldehyde	0.005	0.09	0.10	0.19	0.20	0.17	0.17
Butyr/Isobutyraldehyde	0.007	0.10	0.06	0.13	0.16	0.13	0.13
Benzaldehyde	0.001	0.05	0.02	0.03	0.03	0.03	0.03
Isovaleraldehyde	0.002	0.01	0.01	0.01	0.01	0.01	0.01
Valeraldehyde	0.001	0.02	0.01	0.02	0.02	0.02	0.02
Tolualdehydes	0.004	0.01	0.02	0.04	0.03	0.02	0.03
Hexaldehyde	0.002	0.02	0.01	0.03	0.03	0.02	0.03
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Ran 2.25 late due to power failure.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Clearwater, FL (CWFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		33954	34155 D1	34155 R1	34156 D2	34156 R2	34200
SAMPLE DATE		6/20/2003	6/26/2003	6/26/2003	6/26/2003	6/26/2003	7/2/2003
ANALYSIS DATE		7/29/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/7/2003
FILE NAME	MDL	F3G!044	F3HD035	F3HD036	F3HD037	F3HD038	F3HF049
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.56	3.88	3.89	3.52	3.58	2.28
Acetaldehyde	0.016	0.80	1.63	1.63	1.46	1.48	1.16
Acetone	0.015	0.35	0.50	0.52	0.41	0.40	0.23
Propionaldehyde	0.004	0.08	0.18	0.19	0.18	0.17	0.13
Crotonaldehyde	0.005	0.19	0.16	0.17	0.15	0.15	0.17
Butyr/Isobutyraldehyde	0.007	0.12	0.10	0.10	0.09	0.09	0.08
Benzaldehyde	0.001	0.05	0.05	0.05	0.04	0.04	0.04
Isovaleraldehyde	0.002	0.02	0.02	0.02	0.03	0.02	ND
Valeraldehyde	0.001	0.03	0.03	0.04	0.04	0.03	0.02
Tolualdehydes	0.004	0.02	0.03	0.03	0.03	0.04	0.02
Hexaldehyde	0.002	0.03	0.03	0.04	0.03	0.03	0.03
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Ran 2.25 late due to power failure.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Clearwater, FL (CWFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		34288	34359	34360	34559	34731 D1	34731 R1
SAMPLE DATE		7/8/2003	7/14/2003	7/14/2003	7/20/2003	7/26/2003	7/26/2003
ANALYSIS DATE		8/13/2003	8/19/2003	VOID	8/26/2003	8/29/2003	8/29/2003
FILE NAME	MDL	F3HM018	V3HR034	VOID	F3HY027	F3H!028	F3H!029
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	2.61	2.80		1.96	2.41	2.44
Acetaldehyde	0.016	1.08	1.02		0.96	1.17	1.19
Acetone	0.015	0.29	0.29		0.32	0.28	0.28
Propionaldehyde	0.004	0.06	0.09		0.10	0.10	0.10
Crotonaldehyde	0.005	0.19	0.21		0.13	0.21	0.22
Butyr/Isobutyraldehyde	0.007	0.09	0.07		0.11	0.08	0.08
Benzaldehyde	0.001	0.05	0.04		0.03	0.03	0.03
Isovaleraldehyde	0.002	ND	0.01		ND	0.02	0.02
Valeraldehyde	0.001	0.02	0.02		0.03	0.01	0.02
Tolualdehydes	0.004	0.02	0.01		0.01	0.02	0.01
Hexaldehyde	0.002	0.03	0.03		0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND		ND	ND	ND

^ Ran 2.25 late due to power failure.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Clearwater, FL (CWFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		34732 D2	34732 R2	34875	35055 D1	35055 R1	35056 D2
SAMPLE DATE		7/26/2003	7/26/2003	8/1/2003	8/7/2003	8/7/2003	8/7/2003
ANALYSIS DATE		8/29/2003	8/29/2003	9/5/2003	9/9/2003	9/9/2003	9/9/2003
FILE NAME	MDL	F3H!030	F3H!031	V3IE007	V3IH022	V3IH023	V3IH024
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	2.18	2.28	3.10	2.10	2.14	1.98
Acetaldehyde	0.016	0.92	0.99	1.17	0.83	0.78	0.67
Acetone	0.015	0.22	0.23	0.33	0.23	0.20	0.19
Propionaldehyde	0.004	0.10	0.10	0.14	0.12	0.10	0.10
Crotonaldehyde	0.005	0.18	0.19	0.26	0.10	0.10	ND
Butyr/Isobutyraldehyde	0.007	0.07	0.07	0.07	0.07	0.07	0.08
Benzaldehyde	0.001	0.03	0.03	0.04	0.05	0.05	0.05
Isovaleraldehyde	0.002	0.01	0.01	0.02	0.03	0.02	0.02
Valeraldehyde	0.001	0.02	0.02	0.02	0.03	0.02	0.02
Tolualdehydes	0.004	0.02	0.02	0.03	0.03	0.03	0.02
Hexaldehyde	0.002	0.01	0.01	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Ran 2.25 late due to power failure.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Clearwater, FL (CWFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		35056 R2	35141	35212 D1	35212 R1	35213 D2	35213 R2
SAMPLE DATE		8/7/2003	8/14/2003	8/19/2003	8/19/2003	8/19/2003	8/19/2003
ANALYSIS DATE		9/9/2003	9/15/2003	9/16/2003	9/16/2003	9/16/2003	9/16/2003
FILE NAME	MDL	V3IH025	F3IO011	F3IO027	F3IO028	F3IO029	F3IO030
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.98	1.16	1.87	1.91	1.70	1.86
Acetaldehyde	0.016	0.67	0.52	0.85	0.86	0.71	0.78
Acetone	0.015	0.17	0.15	0.18	0.19	0.15	0.17
Propionaldehyde	0.004	0.07	0.05	0.09	0.09	0.09	0.09
Crotonaldehyde	0.005	0.12	0.13	0.21	0.22	0.17	0.20
Butyr/Isobutyraldehyde	0.007	0.08	0.06	0.09	0.09	0.07	0.08
Benzaldehyde	0.001	0.06	0.02	0.06	0.06	0.05	0.07
Isovaleraldehyde	0.002	0.02	ND	0.02	0.01	0.01	0.01
Valeraldehyde	0.001	0.02	0.01	0.02	0.02	0.01	0.01
Tolualdehydes	0.004	0.02	0.02	0.02	0.02	0.03	0.02
Hexaldehyde	0.002	0.02	0.01	0.02	0.02	0.02	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Ran 2.25 late due to power failure.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Clearwater, FL (CWFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		35346	35463 D1	35463 R1	35464 D2	35464 R2	35626
SAMPLE DATE		8/25/2003	8/31/2003	8/31/2003	8/31/2003	8/31/2003	9/6/2003
ANALYSIS DATE		9/26/2003	10/8/2003	10/9/2003	10/9/2003	10/9/2003	10/16/2003
FILE NAME	MDL	F3IY021	V3JH019	V3JH020	V3JH021	V3JH022	F3JO017
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	2.17	2.88	2.96	2.86	2.84	1.47
Acetaldehyde	0.016	1.16	0.98	0.98	0.89	0.93	0.57
Acetone	0.015	0.29	0.30	0.30	0.24	0.24	0.26
Propionaldehyde	0.004	0.11	0.09	0.08	0.09	0.08	0.05
Crotonaldehyde	0.005	0.16	0.26	0.26	0.26	0.26	0.09
Butyr/Isobutyraldehyde	0.007	0.09	0.08	0.08	0.07	0.07	0.05
Benzaldehyde	0.001	0.03	0.04	0.04	0.04	0.05	0.02
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	0.01
Valeraldehyde	0.001	0.02	0.02	0.02	0.02	0.02	0.01
Tolualdehydes	0.004	0.03	0.02	0.03	0.02	0.02	0.01
Hexaldehyde	0.002	0.02	0.02	0.02	0.02	0.02	0.03
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Ran 2.25 late due to power failure.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Clearwater, FL (CWFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		35762 D1	35762 R1	35763 D2	35763 R2	35876	35930 D1
SAMPLE DATE		9/12/2003	9/12/2003	9/12/2003	9/12/2003	9/18/2003	9/24/2003
ANALYSIS DATE		10/21/2003	10/21/2003	10/21/2003	10/21/2003	10/21/2003	10/30/2003
FILE NAME	MDL	F3JT039	F3JT040	F3JT037	F3JT038	F3JT020	F3J#032
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	2.99	2.98	2.93	2.97	2.85	2.53
Acetaldehyde	0.016	1.54	1.53	1.49	1.50	1.69	1.26
Acetone	0.015	0.46	0.47	0.42	0.42	0.74	0.23
Propionaldehyde	0.004	0.13	0.13	0.13	0.12	0.11	0.10
Crotonaldehyde	0.005	0.18	0.18	0.17	0.17	0.20	0.18
Butyr/Isobutyraldehyde	0.007	0.09	0.10	0.09	0.09	0.09	0.07
Benzaldehyde	0.001	0.03	0.03	0.03	0.03	0.03	0.03
Isovaleraldehyde	0.002	0.01	0.01	0.01	0.01	0.01	0.01
Valeraldehyde	0.001	0.03	0.03	0.02	0.03	0.02	0.02
Tolualdehydes	0.004	0.03	0.02	0.03	0.03	0.03	0.02
Hexaldehyde	0.002	0.02	0.02	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	0.004	ND

^ Ran 2.25 late due to power failure.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Clearwater, FL (CWFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		35930 R1	35931 D2	35931 R2	36066	36176 D1	36176 R1
SAMPLE DATE		9/24/2003	9/24/2003	9/24/2003	9/30/2003	10/6/2003	10/6/2003
ANALYSIS DATE		10/30/2003	10/30/2003	10/30/2003	11/4/2003	11/12/2003	11/12/2003
FILE NAME	MDL	F3J#033	F3J#034	F3J#035	V3KC022	V3KK032	V3KK033
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	2.61	2.54	2.55	2.23	2.70	2.68
Acetaldehyde	0.016	1.30	1.19	1.20	1.08	1.59	1.59
Acetone	0.015	0.24	0.21	0.21	0.26	0.34	0.34
Propionaldehyde	0.004	0.10	0.10	0.10	0.08	0.14	0.13
Crotonaldehyde	0.005	0.20	0.17	0.17	0.19	0.13	0.13
Butyr/Isobutyraldehyde	0.007	0.08	0.07	0.07	0.08	0.10	0.11
Benzaldehyde	0.001	0.03	0.02	0.03	0.03	0.03	0.03
Isovaleraldehyde	0.002	0.01	0.01	0.01	0.01	0.01	0.01
Valeraldehyde	0.001	0.02	0.02	0.02	0.02	0.02	0.02
Tolualdehydes	0.004	0.02	0.02	0.02	0.01	0.02	0.02
Hexaldehyde	0.002	0.02	0.01	0.01	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Ran 2.25 late due to power failure.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Clearwater, FL (CWFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36177 D2	36177 R2	36218	36336 D1	36336 R1	36337 D2
SAMPLE DATE		10/6/2003	10/6/2003	10/12/2003	10/18/2003	10/18/2003	10/18/2003
ANALYSIS DATE		11/12/2003	11/12/2003	11/21/2003	11/26/2003	11/26/2003	11/26/2003
FILE NAME	MDL	V3KK034	V3KK035	V3KT023	V3KX060	V3KX061	V3KX062
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	2.60	2.66	1.87	2.04	2.07	2.03
Acetaldehyde	0.016	1.60	1.60	1.11	1.67	1.67	1.68
Acetone	0.015	0.37	0.37	0.28	0.57	0.57	0.59
Propionaldehyde	0.004	0.13	0.12	0.09	0.09	0.09	0.09
Crotonaldehyde	0.005	0.12	0.13	0.15	0.11	0.12	0.12
Butyr/Isobutyraldehyde	0.007	0.11	0.11	0.13	0.18	0.18	0.18
Benzaldehyde	0.001	0.03	0.03	0.03	0.03	0.04	0.03
Isovaleraldehyde	0.002	0.01	0.01	0.01	0.01	0.01	0.01
Valeraldehyde	0.001	0.02	0.02	0.02	0.02	0.02	0.02
Tolualdehydes	0.004	0.01	0.03	0.01	0.02	0.02	0.02
Hexaldehyde	0.002	0.02	0.02	0.03	0.03	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Ran 2.25 late due to power failure.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Clearwater, FL (CWFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36337 R2	36382	36543 D1	36543 R1	36544 D2	36544 R2
SAMPLE DATE		10/18/2003	10/24/2003	10/30/2003	10/30/2003	10/30/2003	10/30/2003
ANALYSIS DATE		11/26/2003	12/5/2003	12/11/2003	12/11/2003	12/11/2003	12/11/2003
FILE NAME	MDL	V3KX063	V3LD018	V3LJ030	V3LJ031	V3LJ032	V3LJ033
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	2.05	3.59	1.77	1.79	1.78	1.80
Acetaldehyde	0.016	1.67	2.69	1.65	1.64	1.63	1.65
Acetone	0.015	0.59	0.96	0.63	0.63	0.55	0.55
Propionaldehyde	0.004	0.09	0.20	0.08	0.08	0.08	0.08
Crotonaldehyde	0.005	0.12	0.19	0.14	0.14	0.12	0.13
Butyr/Isobutyraldehyde	0.007	0.19	0.31	0.24	0.27	0.25	0.25
Benzaldehyde	0.001	0.03	0.06	0.03	0.03	0.03	0.02
Isovaleraldehyde	0.002	0.01	0.01	0.003	0.003	0.005	0.004
Valeraldehyde	0.001	0.02	0.03	0.02	0.02	0.02	0.01
Tolualdehydes	0.004	0.02	0.03	0.01	0.02	0.02	0.02
Hexaldehyde	0.002	0.02	0.03	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Ran 2.25 late due to power failure.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Clearwater, FL (CWFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36548	36638 D1	36638 R1	36639 D2	36639 R2	36726
SAMPLE DATE		11/5/2003	11/11/2003	11/11/2003	11/11/2003	11/11/2003	11/17/2003
ANALYSIS DATE		12/2/2003	12/16/2003	12/16/2003	12/16/2003	12/16/2003	12/28/2003
FILE NAME	MDL	V3LA019	V3LN037	V3LN038	V3LN035	V3LN036	F3L!018
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	15.87 D	1.40	1.40	1.36	1.37	1.73
Acetaldehyde	0.016	1.01	1.05	1.04	1.08	1.07	1.57
Acetone	0.015	0.81	0.45	0.45	0.41	0.40	0.35
Propionaldehyde	0.004	0.07	0.04	0.04	0.04	0.05	0.09
Crotonaldehyde	0.005	0.07	0.12	0.12	0.12	0.12	0.15
Butyr/Isobutyraldehyde	0.007	0.21	0.21	0.22	0.18	0.19	0.11
Benzaldehyde	0.001	0.06	0.03	0.03	0.03	0.03	0.07
Isovaleraldehyde	0.002	0.02	0.004	0.003	0.003	0.003	ND
Valeraldehyde	0.001	0.06	0.01	0.01	0.01	0.01	0.03
Tolualdehydes	0.004	0.04	0.02	0.02	0.01	0.01	0.12
Hexaldehyde	0.002	0.13	0.01	0.02	0.02	0.02	0.03
2,5-Dimethylbenzaldehyde	0.002	0.01	ND	ND	ND	ND	ND

^ Ran 2.25 late due to power failure.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Clearwater, FL (CWFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36957 D1	36957 R1	36958 D2	36958 R2	36959	37031 D1
SAMPLE DATE		11/23/2003	11/23/2003	11/23/2003	11/23/2003	11/29/2003	12/5/2003
ANALYSIS DATE		12/31/2003	12/31/2003	12/31/2003	12/31/2003	1/8/2004	1/13/2004
FILE NAME	MDL	V3L\$025	V3L\$026	V3L\$027	V3L\$028	F4AH017	V4AL023
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.60	1.61	1.56	1.56	1.04	0.83
Acetaldehyde	0.016	2.41	2.42	2.38	2.38	1.32	1.00
Acetone	0.015	1.49	1.49	1.25	1.25	1.01	0.56
Propionaldehyde	0.004	0.10	0.09	0.10	0.09	0.03	0.04
Crotonaldehyde	0.005	0.08	0.08	0.08	0.08	0.04	0.03
Butyr/Isobutyraldehyde	0.007	0.29	0.31	0.26	0.25	0.11	0.14
Benzaldehyde	0.001	0.03	0.03	0.03	0.03	0.02	0.01
Isovaleraldehyde	0.002	0.01	0.01	0.01	0.01	ND	ND
Valeraldehyde	0.001	0.02	0.02	0.02	0.02	0.01	0.02
Tolualdehydes	0.004	0.02	0.02	0.02	0.02	0.01	0.02
Hexaldehyde	0.002	0.02	0.02	0.02	0.02	0.02	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Ran 2.25 late due to power failure.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Clearwater, FL (CWFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		37031 R1	37032 D2	37032 R2	37166	37167 D1	37167 R1
SAMPLE DATE		12/5/2003	12/5/2003	12/5/2003	12/11/2003	12/17/2003	12/17/2003
ANALYSIS DATE		1/13/2004	1/13/2004	1/13/2004	1/23/2004	1/30/2004	1/30/2004
FILE NAME	MDL	V4AL024	V4AL025	V4AL026	V4AV049	V4A#042	V4A#043
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	0.83	0.84	0.84	1.10	0.76	0.76
Acetaldehyde	0.016	1.00	0.98	0.98	1.28	1.17	1.17
Acetone	0.015	0.56	0.50	0.50	1.22	0.72	0.72
Propionaldehyde	0.004	0.04	0.04	0.04	0.04	0.03	0.03
Crotonaldehyde	0.005	0.03	0.03	0.03	0.03	0.02	0.03
Butyr/Isobutyraldehyde	0.007	0.13	0.12	0.12	0.11	0.11	0.11
Benzaldehyde	0.001	0.01	0.01	0.01	0.01	0.01	0.01
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.01	0.02	0.02	0.01
Tolualdehydes	0.004	0.04	0.01	0.02	0.02	0.02	0.01
Hexaldehyde	0.002	0.02	0.02	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Ran 2.25 late due to power failure.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Clearwater, FL (CWFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		37168 D2	37168 R2	37283	37287 D1	37287 R1	37288 D2
SAMPLE DATE		12/17/2003	12/17/2003	12/23/2003	12/29/2003	12/29/2003	12/29/2003
ANALYSIS DATE		1/30/2004	1/30/2004	2/4/2004	2/8/2004	2/8/2004	2/8/2004
FILE NAME	MDL	V4A#046	V4A#047	V4BB055	V4BG042	V4BG043	V4BG044
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	0.74	0.74	1.39	1.83	1.85	1.81
Acetaldehyde	0.016	1.12	1.12	2.23	2.05	2.06	2.02
Acetone	0.015	0.69	0.70	1.58	0.55	0.56	0.54
Propionaldehyde	0.004	0.03	0.02	0.07	0.11	0.11	0.10
Crotonaldehyde	0.005	0.03	0.03	0.07	0.05	0.05	0.05
Butyr/Isobutyraldehyde	0.007	0.10	0.11	0.09	0.12	0.12	0.12
Benzaldehyde	0.001	0.01	0.01	0.03	0.03	0.03	0.03
Isovaleraldehyde	0.002	ND	ND	ND	0.004	0.01	0.004
Valeraldehyde	0.001	0.01	0.01	0.02	0.02	0.02	0.02
Tolualdehydes	0.004	0.01	0.01	0.01	0.03	0.06	0.05
Hexaldehyde	0.002	0.01	0.01	0.03	0.03	0.04	0.04
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Ran 2.25 late due to power failure.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Clearwater, FL (CWFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		37288 R2
SAMPLE DATE		12/29/2003
ANALYSIS DATE		2/8/2004
FILE NAME	MDL	V4BG045
UNITS	ppbv	ppbv
Formaldehyde	0.026	1.80
Acetaldehyde	0.016	2.02
Acetone	0.015	0.54
Propionaldehyde	0.004	0.10
Crotonaldehyde	0.005	0.05
Butyr/Isobutyraldehyde	0.007	0.12
Benzaldehyde	0.001	0.03
Isovaleraldehyde	0.002	0.01
Valeraldehyde	0.001	0.02
Tolualdehydes	0.004	0.04
Hexaldehyde	0.002	0.04
2,5-Dimethylbenzaldehyde	0.002	ND

^ Ran 2.25 late due to power failure.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Clearwater, FL (CWFL) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3BX027	Meets	V3BZ028	Meets	F3CC018	Meets	V3CL028	Meets
FB ID	Criteria	31552 FB	Criteria	31675	Criteria	31833 FB	Criteria	32080 FB	Criteria
Sample date	per	1/15/2003		1/21/2003		2/2/2003		2/20/2003	
Date Analyzed	QAPP	2/25/2003	(Y/N)	2/27/2003	(Y/N)	3/3/2003	(Y/N)	3/13/2003	(Y/N)
Formaldehyde	<0.3	0.03	Y	0.04	Y	0.04	Y	0.25	Y
Acetaldehyde	<0.4	0.06	Y	0.08	Y	0.07	Y	0.05	Y
Acetone	<0.75	0.22	Y	0.21	Y	0.20	Y	0.20	Y
Propionaldehyde		0.01		0.01		0.01		0.01	
Crotonaldehyde		ND		ND		0.01		ND	
Butyraldehyde		0.06		0.06		0.13		0.06	
Benzaldehyde		0.01		0.02		0.02		0.02	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.01		0.01	
Tolualdehydes		0.03		0.04		0.02		0.06	
Hexaldehyde		0.04		0.03		0.02		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.157	Y	0.165	Y	0.215	Y	0.171	Y

Clearwater, FL (CWFL) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3DC019	Meets	F3ES017	Meets	V3E#045	Meets	F3FE036	Meets
FB ID	Criteria	32315 FB	Criteria	32779 FB	Criteria	32848 FB	Criteria	33222 FB	Criteria
Sample date	per	3/10/2003		4/15/2003		4/21/2003		5/9/2003	
Date Analyzed	QAPP	4/4/2003	(Y/N)	5/20/2003	(Y/N)	5/30/2003	(Y/N)	6/6/2003	(Y/N)
Formaldehyde	<0.3	0.04	Y	0.07	Y	0.03	Y	0.03	Y
Acetaldehyde	<0.4	0.08	Y	0.08	Y	0.07	Y	0.10	Y
Acetone	<0.75	0.23	Y	0.24	Y	0.20	Y	0.21	Y
Propionaldehyde		0.01		0.01		0.01		0.01	
Crotonaldehyde		ND		ND		ND		0.01	
Butyraldehyde		0.11		0.25		0.14		0.28	
Benzaldehyde		0.02		0.02		0.02		0.01	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.01		0.02		0.01		0.01	
Tolualdehydes		0.03		0.03		0.04		0.03	
Hexaldehyde		0.03		0.03		0.03		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.212	Y	0.354	Y	0.228	Y	0.370	Y

Clearwater, FL (CWFL) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3GB022	Meets	F3GZ041	Meets	F3G!046	Meets	F3HM019	Meets
FB ID	Criteria	33420 FB	Criteria	33817 FB	Criteria	33953 FB	Criteria	34287 FB	Criteria
Sample date	per	5/27/2003		6/14/2003		6/20/2003		7/8/2003	
Date Analyzed	QAPP	7/3/2003	(Y/N)	7/27/2003	(Y/N)	7/29/2003	(Y/N)	8/13/2003	(Y/N)
Formaldehyde	<0.3	0.04	Y	0.15	Y	0.15	Y	0.05	Y
Acetaldehyde	<0.4	0.11	Y	0.11	Y	0.13	Y	0.07	Y
Acetone	<0.75	0.18	Y	0.23	Y	0.32	Y	0.20	Y
Propionaldehyde		0.01		0.01		0.02		ND	
Crotonaldehyde		0.02		0.03		0.02		0.03	
Butyraldehyde		0.09		0.26		0.21		0.07	
Benzaldehyde		0.02		0.02		0.02		0.02	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.01		0.01	
Tolualdehydes		0.04		0.04		0.04		0.06	
Hexaldehyde		0.03		0.04		0.03		0.03	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.209	Y	0.411	Y	0.348	Y	0.206	Y

Clearwater, FL (CWFL) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	F3H!015	Meets	V3JM011	Meets	F3IO012	Meets	V3JH007	Meets
FB ID	Criteria	34730 FB	Criteria	34874 FB	Criteria	35140 FB	Criteria	35462 FB	Criteria
Sample date	per	7/26/2003		8/1/2003		8/14/2003		8/31/2003	
Date Analyzed	QAPP	8/28/2003	(Y/N)	10/13/2003	(Y/N)	9/15/2003	(Y/N)	10/8/2003	(Y/N)
Formaldehyde	<0.3	0.04	Y	0.03	Y	0.02	Y	0.10	Y
Acetaldehyde	<0.4	0.09	Y	0.06	Y	0.18	Y	0.13	Y
Acetone	<0.75	0.25	Y	0.20	Y	0.26	Y	0.26	Y
Propionaldehyde		0.01		ND		0.01		ND	
Crotonaldehyde		0.01		ND		0.01		0.01	
Butyraldehyde		0.05		0.08		0.12		0.06	
Benzaldehyde		0.01		0.02		0.02		0.01	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.01		0.002		0.01		0.004	
Tolualdehydes		0.03		0.04		0.04		0.03	
Hexaldehyde		0.02		0.01		0.03		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.130	Y	0.164	Y	0.226	Y	0.137	Y

Clearwater, FL (CWFL) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	F3JO018	Meets	F3J#019	Meets	V3KT024	Meets	V3LJ010	Meets
FB ID	Criteria	35627 FB	Criteria	35929 FB	Criteria	36217 FB	Criteria	36542 FB	Criteria
Sample date	per	9/6/2003		9/24/2003		10/12/2003		10/30/2003	
Date Analyzed	QAPP	10/16/2003	(Y/N)	10/29/2003	(Y/N)	11/21/2003	(Y/N)	12/10/2003	(Y/N)
Formaldehyde	<0.3	0.06	Y	0.03	Y	0.02	Y	0.02	Y
Acetaldehyde	<0.4	0.24	Y	0.16	Y	0.10	Y	0.14	Y
Acetone	<0.75	0.37	Y	0.31	Y	0.24	Y	0.26	Y
Propionaldehyde		0.02		0.01		0.01		0.01	
Crotonaldehyde		0.02		0.02		0.01		0.02	
Butyraldehyde		0.07		0.06		0.16		0.19	
Benzaldehyde		0.02		0.01		0.02		0.02	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.01		0.02		0.01		ND	
Tolualdehydes		0.05		0.02		0.03		0.03	
Hexaldehyde		0.02		0.02		0.02		0.03	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.212	Y	0.174	Y	0.250	Y	0.295	Y

Clearwater, FL (CWFL) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3LA020	Meets	V3L\$007	Meets	V4AV050	Meets	V4BG046	Meets
FB ID	Criteria	36547 FB	Criteria	36956 FB	Criteria	37165 FB	Criteria	37286 FB	Criteria
Sample date	per	11/5/2003		11/23/2003		12/11/2003		12/29/2003	
Date Analyzed	QAPP	12/2/2003	(Y/N)	12/30/2003	(Y/N)	1/23/2004	(Y/N)	2/8/2004	(Y/N)
Formaldehyde	<0.3	0.02	Y	0.03	Y	0.06	Y	0.04	Y
Acetaldehyde	<0.4	0.10	Y	0.18	Y	0.19	Y	0.18	Y
Acetone	<0.75	0.27	Y	0.38	Y	0.34	Y	0.31	Y
Propionaldehyde		0.01		0.02		0.02		0.01	
Crotonaldehyde		0.02		0.02		0.03		0.02	
Butyraldehyde		0.18		0.19		0.14		0.15	
Benzaldehyde		0.02		0.03		0.03		0.03	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.01		0.02		0.02		0.02	
Tolualdehydes		0.03		0.04		0.04		ND	
Hexaldehyde		0.03		0.03		0.04		0.03	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.303	Y	0.344	Y	0.316	Y	0.268	Y

Delray Beach, FL (DBFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31463	31689	31908 D1	31908 R1	31909 D2	31909 R2
SAMPLE DATE		1/3/2003	1/15/2003	1/27/2003	1/27/2003	1/27/2003	1/27/2003
ANALYSIS DATE		2/11/2003	2/25/2003	3/4/2003	3/4/2003	3/4/2003	3/4/2003
FILE NAME	MDL	V3BJ044	V3BX034	F3CC033	F3CC034	F3CC031	F3CC032
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	3.92	2.50	2.80	2.80	2.65	2.65
Acetaldehyde	0.013	5.33	6.72	5.23	5.24	5.09	5.10
Acetone	0.012	1.14	2.33	2.44	2.45	2.97	2.98
Propionaldehyde	0.003	0.02	ND	0.06	0.06	0.07	0.05
Crotonaldehyde	0.004	0.003 u	0.004 u	0.04	0.04	0.04	0.05
Butyr/Isobutyraldehyde	0.006	0.07	0.10	0.15	0.15	0.14	0.15
Benzaldehyde	0.001	0.02	0.03	0.04	0.04	0.04	0.04
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.02	0.02	0.02	0.02
Tolualdehydes	0.003	0.03	0.01	0.02	0.02	0.02	0.02
Hexaldehyde	0.001	0.02	0.02	0.02	0.02	0.02	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Post flow assumed same as pre flow.

* Extracted out of hold time.

Received after hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Delray Beach, FL (DBFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31910	32097	^32409	^32413	32731	^32732
SAMPLE DATE		2/8/2003	2/20/2003	3/4/2003	3/16/2003	3/28/2003	4/9/2003
ANALYSIS DATE		3/11/2003	3/19/2003	4/10/2003	4/17/2003	5/8/2003	5/8/2003
FILE NAME	MDL	V3CJ026	V3CQ023	F3DJ007	F3DP037	F3EH014	F3EH015
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	1.26	12.12 D	1.91	1.53	0.96	0.50
Acetaldehyde	0.013	2.38	3.65	1.46	1.65	1.87	0.59
Acetone	0.012	0.65	1.35	0.25	0.15	0.61	0.12
Propionaldehyde	0.003	0.002 u	0.29	0.04	0.02	ND	ND
Crotonaldehyde	0.004	ND	0.03	0.04	0.03	0.02	0.02
Butyr/Isobutyraldehyde	0.006	0.06	0.35	0.11	0.10	0.09	0.07
Benzaldehyde	0.001	0.02	0.52	0.01	0.02	0.02	0.01
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.20	0.02	0.01	0.01	0.01
Tolualdehydes	0.003	0.02	0.15	0.01	0.01	0.02	0.01
Hexaldehyde	0.001	0.03	0.52	0.02	0.01	0.02	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Post flow assumed same as pre flow.

* Extracted out of hold time.

Received after hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Delray Beach, FL (DBFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		33120	^33121	33455	33457	33915	33913
SAMPLE DATE		4/21/2003	5/3/2003	5/15/2003	5/27/2003	6/8/2003	6/20/2003
ANALYSIS DATE		6/2/2003	6/3/2003	6/30/2003	7/8/2003	7/27/2003	7/29/2003
FILE NAME	MDL	F3FB008	F3FB024	V3F\$011	V3GG024	F3GZ039	F3G!048
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	0.99	0.60	0.67	0.55	0.74	1.60
Acetaldehyde	0.013	1.42	0.34	0.22	0.85	0.29	3.25
Acetone	0.012	0.10	0.10	0.07	0.11	0.16	0.23
Propionaldehyde	0.003	0.01	0.01	0.05	ND	0.02	NR
Crotonaldehyde	0.004	0.02	0.02	0.01	0.02	0.03	0.07
Butyr/Isobutyraldehyde	0.006	0.12	0.13	0.06	0.04	0.13	0.09
Benzaldehyde	0.001	0.01	0.01	0.01	0.01	0.01	0.03
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.01	0.01	0.01	0.01
Tolualdehydes	0.003	0.01	0.01	0.01	0.02	0.01	0.02
Hexaldehyde	0.001	0.02	0.02	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Post flow assumed same as pre flow.

* Extracted out of hold time.

Received after hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Delray Beach, FL (DBFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		#34361	34362	#34980	34981	35476	^35478
SAMPLE DATE		7/2/2003	7/14/2003	7/26/2003	8/7/2003	8/19/2003	8/31/2003
ANALYSIS DATE		8/7/2003	8/18/2003	8/20/2003	8/20/2003	9/30/2003	9/30/2003
FILE NAME	MDL	V3HH009	V3HR021	V3HS011	V3HS013	V3I#032	V3I#028
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	0.57	0.68	0.59	0.64	0.94	0.92
Acetaldehyde	0.013	0.70	0.25	0.09	0.40	1.06	0.27
Acetone	0.012	0.16	0.15	0.06	0.06	0.09	0.14
Propionaldehyde	0.003	0.06	0.01	0.01	0.01	0.07	0.02
Crotonaldehyde	0.004	0.02	0.01	0.01	0.02	0.03	0.03
Butyr/Isobutyraldehyde	0.006	0.02	0.03	0.03	0.02	0.04	0.05
Benzaldehyde	0.001	0.02	0.01	0.01	0.01	0.01	0.02
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.004	0.004	0.01	0.005	0.01
Tolualdehydes	0.003	0.01	0.01	0.01	0.01	0.01	0.02
Hexaldehyde	0.001	0.01	0.01	0.01	0.01	0.01	0.03
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Post flow assumed same as pre flow.

* Extracted out of hold time.

Received after hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Delray Beach, FL (DBFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		35788 D1	35788 R1	35789 D2	35789 R2	36026*	36179
SAMPLE DATE		9/12/2003	9/12/2003	9/12/2003	9/12/2003	9/24/2003	10/6/2003
ANALYSIS DATE		9/24/2003	9/24/2003	9/24/2003	9/24/2003	11/5/2003	11/10/2003
FILE NAME	MDL	F3IW031	F3IW032	F3IW033	F3IW034	V3KE014	V3KJ012
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	1.26	1.30	1.39	1.45	0.71	0.46
Acetaldehyde	0.013	0.35	0.37	0.55	0.57	0.32	0.25
Acetone	0.012	0.06	0.06	0.06	0.06	0.06	0.05
Propionaldehyde	0.003	0.04	0.04	0.05	0.05	0.01	0.01
Crotonaldehyde	0.004	0.02	0.03	0.02	0.01	0.02	0.01
Butyr/Isobutyraldehyde	0.006	0.07	0.08	0.08	0.08	0.05	0.05
Benzaldehyde	0.001	0.01	0.01	0.01	0.02	0.01	0.01
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.02	0.02	0.03	0.03	0.01	0.01
Tolualdehydes	0.003	0.02	0.01	0.02	0.03	0.02	0.01
Hexaldehyde	0.001	0.02	0.02	0.02	0.02	0.02	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Post flow assumed same as pre flow.

* Extracted out of hold time.

Received after hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Delray Beach, FL (DBFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36334	^36539	36766	36960	37060	37205
SAMPLE DATE		10/18/2003	10/30/2003	11/11/2003	11/23/2003	12/5/2003	12/17/2003
ANALYSIS DATE		11/25/2003	12/10/2003	12/15/2003	12/31/2003	1/13/2004	1/30/2004
FILE NAME	MDL	V3KX039	V3LJ009	F3LN012	V3L\$023	V4AL017	V4A#032
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	0.68	9.87	1.28	5.65	1.50	0.79
Acetaldehyde	0.013	0.28	3.45	0.22	2.04	0.58	1.54
Acetone	0.012	0.08	1.75	0.05	0.51	0.07	0.91
Propionaldehyde	0.003	0.01	0.28	0.04	0.20	0.07	ND
Crotonaldehyde	0.004	0.01	0.08	0.01	0.05	0.02	0.01
Butyr/Isobutyraldehyde	0.006	0.10	0.38	0.06	0.30	0.10	0.06
Benzaldehyde	0.001	0.01	0.21	0.01	0.12	0.01	0.01
Isovaleraldehyde	0.001	0.002	0.06	ND	0.02	ND	ND
Valeraldehyde	0.001	0.01	0.21	0.02	0.12	0.01	0.01
Tolualdehydes	0.003	0.01	0.06	0.01	0.04	0.01	0.01
Hexaldehyde	0.001	0.02	0.55	0.02	0.36	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	0.01	ND	ND

^ Post flow assumed same as pre flow.

* Extracted out of hold time.

Received after hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Delray Beach, FL (DBFL) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	V3CQ022 32096 FB 2/20/2003 3/19/2003	Meets Criteria (Y/N)	F3DP038 32412 FB 3/16/2003 4/17/2003	Meets Criteria (Y/N)	V3GG025 33456 FB 5/27/2003 7/8/2003	Meets Criteria (Y/N)	F3G!049 33912 FB 6/20/2003 7/29/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.05	Y	0.06	Y	0.05	Y	0.12	Y
Acetaldehyde	<0.4	0.15	Y	0.11	Y	0.15	Y	0.10	Y
Acetone	<0.75	0.22	Y	0.21	Y	0.21	Y	0.26	Y
Propionaldehyde		ND		ND		0.01		0.01	
Crotonaldehyde		0.11		0.15		0.04		0.02	
Butyraldehyde		0.02		0.01		0.09		0.19	
Benzaldehyde		ND		ND		0.02		0.02	
Isovaleraldehyde		0.01		0.004		ND		ND	
Valeraldehyde		0.04		0.02		0.02		0.01	
Tolualdehydes		0.04		0.02		0.06		0.05	
Hexaldehyde		ND		ND		0.05		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.213	Y	0.215	Y	0.292	Y	0.323	Y

Delray Beach, FL (DBFL) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	V3HS012 #34979 FB 7/26/2003 8/20/2003	Meets Criteria (Y/N)	V3I#029 35477 FB 8/31/2003 9/30/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.05	Y	0.08	Y
Acetaldehyde	<0.4	0.06	Y	0.08	Y
Acetone	<0.75	0.13	Y	0.12	Y
Propionaldehyde		0.01		ND	
Crotonaldehyde		0.01		0.03	
Butyraldehyde		0.03		0.04	
Benzaldehyde		0.01		0.01	
Isovaleraldehyde		ND		ND	
Valeraldehyde		ND		0.01	
Tolualdehydes		ND		0.06	
Hexaldehyde		0.01		0.03	
2,5-Dimethylbenzaldehyde		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.071	Y	0.169	Y

Denver, CO (DECO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31437	31507	31627	31723 D1	31723 R1	31724 D2
SAMPLE DATE		1/3/2003	1/9/2003	1/21/2003	1/27/2003	1/27/2003	1/27/2003
ANALYSIS DATE		2/6/2003	2/6/2003	2/27/2003	4/8/2003	4/8/2003	4/8/2003
FILE NAME	MDL	V3BE026	V3BE043	V3BZ025	F3DH012	F3DH013	F3DH014
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.029	4.56	3.88	5.93	6.72	6.69	6.72
Acetaldehyde	0.018	1.48	1.69	3.07	2.34	2.33	2.33
Acetone	0.017	2.14	2.42	3.84	3.17	3.16	3.18
Propionaldehyde	0.004	0.10	0.12	0.24	0.18	0.17	0.17
Crotonaldehyde	0.006	0.02	0.02	0.04	0.02	0.02	0.02
Butyr/Isobutyraldehyde	0.008	0.16	0.20	0.30	0.29	0.28	0.28
Benzaldehyde	0.001	0.06	0.07	0.14	0.15	0.15	0.15
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.002	0.06	0.06	0.12	0.13	0.14	0.12
Tolualdehydes	0.004	0.06	0.08	0.11	0.12	0.12	0.11
Hexaldehyde	0.002	0.11	0.11	0.18	0.23	0.23	0.22
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

Denver, CO (DECO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31724 R2	31808	31871	31960	32038	32128 D1
SAMPLE DATE		1/27/2003	2/2/2003	2/8/2003	2/14/2003	2/20/2003	2/26/2003
ANALYSIS DATE		4/8/2003	3/4/2003	3/10/2003	3/11/2003	3/12/2003	4/1/2003
FILE NAME	MDL	F3DH015	V3CC024	V3CJ009	F3CJ018	F3CL008	V3C%025
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.029	6.69	5.20	3.67	7.01	4.71	4.72
Acetaldehyde	0.018	2.32	1.84	1.47	3.20	1.98	2.30
Acetone	0.017	3.16	2.12	1.72	4.01	2.80	3.51
Propionaldehyde	0.004	0.16	0.13	0.12	0.28	0.17	0.18
Crotonaldehyde	0.006	0.02	0.02	0.02	0.13	0.09	0.03
Butyr/Isobutyraldehyde	0.008	0.28	0.26	0.21	0.35	0.25	0.24
Benzaldehyde	0.001	0.15	0.12	0.08	0.17	0.12	0.12
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.002	0.13	0.10	0.07	0.14	0.10	0.09
Tolualdehydes	0.004	0.11	0.09	0.06	0.10	0.07	0.07
Hexaldehyde	0.002	0.22	0.20	0.11	0.17	0.14	0.15
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	0.01	ND

Denver, CO (DECO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32128 R1	32130 D2	32130 R2	32227	32255	32447
SAMPLE DATE		2/26/2003	2/26/2003	2/26/2003	3/4/2003	3/10/2003	3/16/2003
ANALYSIS DATE		4/1/2003	4/1/2003	4/1/2003	4/7/2003	4/10/2003	4/14/2003
FILE NAME	MDL	V3C%026	V3C%027	V3C%028	F3DG005	F3DJ011	F3DN007
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.029	4.72	4.69	4.68	4.16	5.22	4.03
Acetaldehyde	0.018	2.31	2.34	2.33	1.64	1.93	1.82
Acetone	0.017	3.53	3.57	3.56	2.43	2.62	2.56
Propionaldehyde	0.004	0.19	0.18	0.18	0.15	0.16	0.18
Crotonaldehyde	0.006	0.03	0.03	0.03	0.09	0.10	0.10
Butyr/Isobutyraldehyde	0.008	0.25	0.24	0.25	0.20	0.26	0.26
Benzaldehyde	0.001	0.13	0.14	0.14	0.09	0.13	0.08
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.002	0.09	0.09	0.09	0.13	0.11	0.08
Tolualdehydes	0.004	0.07	0.08	0.08	0.11	0.08	0.05
Hexaldehyde	0.002	0.16	0.14	0.13	0.12	0.19	0.11
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

Denver, CO (DECO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32472	32559	32613	32653	32763	32860
SAMPLE DATE		3/22/2003	3/28/2003	4/3/2003	4/9/2003	4/15/2003	4/21/2003
ANALYSIS DATE		4/18/2003	5/10/2003	5/10/2003	5/7/2003	5/15/2003	5/20/2003
FILE NAME	MDL	F3DP051	F3EI017	F3EI037	F3EF036	V3EO011	V3ES013
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.029	8.23	4.14	4.31	4.17	4.51	5.67
Acetaldehyde	0.018	2.96	1.36	1.67	1.82	1.57	2.30
Acetone	0.017	3.97	1.85	2.19	2.80	2.51	2.98
Propionaldehyde	0.004	0.24	0.11	0.15	0.16	0.17	0.25
Crotonaldehyde	0.006	0.13	0.06	0.07	0.09	0.08	0.13
Butyr/Isobutyraldehyde	0.008	0.45	0.25	0.27	0.25	0.22	0.35
Benzaldehyde	0.001	0.21	0.10	0.09	0.10	0.11	0.13
Isovaleraldehyde	0.002	ND	ND	ND	ND	0.02	ND
Valeraldehyde	0.002	0.17	0.07	0.07	0.09	0.09	0.09
Tolualdehydes	0.004	0.11	0.06	0.05	0.06	0.06	0.08
Hexaldehyde	0.002	0.27	0.13	0.14	0.10	0.11	0.14
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

Denver, CO (DECO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32990	33136
SAMPLE DATE		4/27/2003	5/3/2003
ANALYSIS DATE		5/22/2003	6/3/2003
FILE NAME	MDL	V3EU018	F3FC011
UNITS	ppbv	ppbv	ppbv
Formaldehyde	0.029	5.25	5.08
Acetaldehyde	0.018	1.65	1.74
Acetone	0.017	2.01	2.35
Propionaldehyde	0.004	0.20	0.16
Crotonaldehyde	0.006	0.06	0.09
Butyr/Isobutyraldehyde	0.008	0.30	0.30
Benzaldehyde	0.001	0.10	0.12
Isovaleraldehyde	0.002	ND	ND
Valeraldehyde	0.002	0.09	0.09
Tolualdehydes	0.004	0.05	0.06
Hexaldehyde	0.002	0.14	0.15
2,5-Dimethylbenzaldehyde	0.003	ND	ND

Denver, CO (DECO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31437	31507	31627	31723 D1	31723 R1	31724 D2
SAMPLE DATE		1/3/2003	1/9/2003	1/21/2003	1/27/2003	1/27/2003	1/27/2003
ANALYSIS DATE		2/6/2003	2/6/2003	2/27/2003	4/8/2003	4/8/2003	4/8/2003
FILE NAME	MDL	V3BE026	V3BE043	V3BZ025	F3DH012	F3DH013	F3DH014
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	0.036	5.62	4.78	7.31	8.28	8.25	8.29
Acetaldehyde	0.032	2.68	3.05	5.54	4.23	4.21	4.21
Acetone	0.040	5.10	5.77	9.13	7.56	7.53	7.56
Propionaldehyde	0.010	0.24	0.29	0.56	0.42	0.42	0.39
Crotonaldehyde	0.017	0.06	0.07	0.10	0.05	0.05	0.05
Butyr/Isobutyraldehyde	0.025	0.48	0.60	0.90	0.85	0.84	0.83
Benzaldehyde	0.005	0.27	0.31	0.61	0.66	0.66	0.64
Isovaleraldehyde	0.007	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.006	0.23	0.23	0.41	0.45	0.49	0.43
Tolualdehydes	0.022	0.30	0.38	0.54	0.59	0.59	0.53
Hexaldehyde	0.008	0.46	0.45	0.72	0.93	0.92	0.91
2,5-Dimethylbenzaldehyde	0.014	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit

ND - Not detected

Denver, CO (DECO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31724 R2	31808	31871	31960	32038	32128 D1
SAMPLE DATE		1/27/2003	2/2/2003	2/8/2003	2/14/2003	2/20/2003	2/26/2003
ANALYSIS DATE		4/8/2003	3/4/2003	3/10/2003	3/11/2003	3/12/2003	4/1/2003
FILE NAME	MDL	F3DH015	V3CC024	V3CJ009	F3CJ018	F3CL008	V3C%025
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	0.036	8.25	6.41	4.52	8.64	5.81	5.81
Acetaldehyde	0.032	4.19	3.32	2.66	5.79	3.58	4.16
Acetone	0.040	7.52	5.05	4.10	9.55	6.66	8.35
Propionaldehyde	0.010	0.38	0.31	0.28	0.66	0.41	0.43
Crotonaldehyde	0.017	0.05	0.07	0.06	0.36	0.26	0.08
Butyr/Isobutyraldehyde	0.025	0.83	0.78	0.62	1.03	0.74	0.72
Benzaldehyde	0.005	0.63	0.51	0.35	0.75	0.53	0.52
Isovaleraldehyde	0.007	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.006	0.44	0.36	0.24	0.49	0.34	0.31
Tolualdehydes	0.022	0.53	0.45	0.30	0.48	0.33	0.34
Hexaldehyde	0.008	0.91	0.84	0.46	0.70	0.57	0.60
2,5-Dimethylbenzaldehyde	0.014	ND	ND	ND	ND	0.07	ND

u - Concentration below detection limit

ND - Not detected

Denver, CO (DECO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32128 R1	32130 D2	32130 R2	32227	32255	32447
SAMPLE DATE		2/26/2003	2/26/2003	2/26/2003	3/4/2003	3/10/2003	3/16/2003
ANALYSIS DATE		4/1/2003	4/1/2003	4/1/2003	4/7/2003	4/10/2003	4/14/2003
FILE NAME	MDL	V3C%026	V3C%027	V3C%028	F3DG005	F3DJ011	F3DN007
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	0.036	5.82	5.78	5.77	5.13	6.43	4.97
Acetaldehyde	0.032	4.18	4.22	4.21	2.97	3.49	3.29
Acetone	0.040	8.39	8.49	8.47	5.79	6.23	6.10
Propionaldehyde	0.010	0.45	0.43	0.42	0.36	0.38	0.43
Crotonaldehyde	0.017	0.08	0.08	0.08	0.25	0.29	0.29
Butyr/Isobutyraldehyde	0.025	0.73	0.72	0.73	0.59	0.78	0.78
Benzaldehyde	0.005	0.55	0.62	0.62	0.41	0.57	0.36
Isovaleraldehyde	0.007	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.006	0.31	0.33	0.33	0.45	0.39	0.27
Tolualdehydes	0.022	0.33	0.38	0.38	0.53	0.38	0.23
Hexaldehyde	0.008	0.65	0.58	0.53	0.50	0.78	0.44
2,5-Dimethylbenzaldehyde	0.014	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit

ND - Not detected

Denver, CO (DECO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32472	32559	32613	32653	32763	32860
SAMPLE DATE		3/22/2003	3/28/2003	4/3/2003	4/9/2003	4/15/2003	4/21/2003
ANALYSIS DATE		4/18/2003	5/10/2003	5/10/2003	5/7/2003	5/15/2003	5/20/2003
FILE NAME	MDL	F3DP051	F3EI017	F3EI037	F3EF036	V3EO011	V3ES013
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	0.036	10.15	5.10	5.31	5.14	5.56	6.99
Acetaldehyde	0.032	5.35	2.46	3.02	3.28	2.84	4.14
Acetone	0.040	9.45	4.39	5.21	6.67	5.97	7.09
Propionaldehyde	0.010	0.57	0.26	0.35	0.39	0.41	0.60
Crotonaldehyde	0.017	0.37	0.17	0.19	0.27	0.23	0.36
Butyr/Isobutyraldehyde	0.025	1.34	0.75	0.79	0.75	0.64	1.03
Benzaldehyde	0.005	0.91	0.45	0.40	0.42	0.47	0.58
Isovaleraldehyde	0.007	ND	ND	ND	ND	0.05	ND
Valeraldehyde	0.006	0.61	0.25	0.26	0.32	0.32	0.30
Tolualdehydes	0.022	0.52	0.29	0.24	0.28	0.28	0.39
Hexaldehyde	0.008	1.11	0.51	0.56	0.41	0.45	0.58
2,5-Dimethylbenzaldehyde	0.014	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit

ND - Not detected

Denver, CO (DECO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32990	33136
SAMPLE DATE		4/27/2003	5/3/2003
ANALYSIS DATE		5/22/2003	6/3/2003
FILE NAME	MDL	V3EU018	F3FC011
UNITS	ug/m3	ug/m3	ug/m3
Formaldehyde	0.036	6.47	5.08
Acetaldehyde	0.032	2.99	1.74
Acetone	0.040	4.79	2.35
Propionaldehyde	0.010	0.48	0.16
Crotonaldehyde	0.017	0.18	0.09
Butyr/Isobutyraldehyde	0.025	0.89	0.30
Benzaldehyde	0.005	0.45	0.12
Isovaleraldehyde	0.007	ND	ND
Valeraldehyde	0.006	0.30	0.09
Tolualdehydes	0.022	0.26	0.06
Hexaldehyde	0.008	0.58	0.15
2,5-Dimethylbenzaldehyde	0.014	ND	ND

u - Concentration below detection limit

ND - Not detected

Denver, CO (DECO) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	ug/m3 31626 1/21/2003 2/27/2003	Meets Criteria (Y/N)	V3CC023 31807 FB 2/2/2003 3/4/2003	Meets Criteria (Y/N)	F3CL007 32037 FB 2/20/2003 3/12/2003	Meets Criteria (Y/N)	F3DJ012 32254 FB 3/10/2003 4/10/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.01	Y	0.04	Y	0.04	Y	0.08	Y
Acetaldehyde	<0.4	0.23	Y	0.13	Y	0.07	Y	0.08	Y
Acetone	<0.75	0.30	Y	0.23	Y	0.19	Y	0.20	Y
Propionaldehyde		0.04		0.01		0.01		0.01	
Crotonaldehyde		ND		ND		ND		ND	
Butyraldehyde		0.09		0.07		0.11		0.08	
Benzaldehyde		0.04		0.02		0.02		0.01	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.03		0.01		0.01		0.01	
Tolualdehydes		0.06		0.04		0.04		0.02	
Hexaldehyde		0.10		0.04		0.03		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0		Y	0.191	Y	0.207	Y	0.153	Y

Denver, CO (DECO) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	F3DN010 32446 FB 3/16/2003 4/15/2003	Meets Criteria (Y/N)	V3EO012 32762 FB 4/15/2003 5/15/2003	Meets Criteria (Y/N)	V3ES012 32859 FB 4/21/2003 5/20/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.01	Y	0.02	Y	0.04	Y
Acetaldehyde	<0.4	0.04	Y	0.09	Y	0.14	Y
Acetone	<0.75	0.13	Y	0.19	Y	0.25	Y
Propionaldehyde		0.004		0.01		0.01	
Crotonaldehyde		0.01		0.02		0.01	
Butyraldehyde		0.08		0.06		0.09	
Benzaldehyde		0.01		0.01		0.03	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.004		0.005		0.04	
Tolualdehydes		0.02		0.08		0.07	
Hexaldehyde		0.01		0.05		0.05	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.141	Y	0.244	Y	0.302	Y

Detroit (Dearborn), MI (DEMI) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31441	31557	32231 D1	32233 D2	32401 D1	32402 D2
SAMPLE DATE		1/3/2003	1/15/2003	3/4/2003	3/4/2003	3/16/2003	3/16/2003
ANALYSIS DATE		2/6/2003	2/24/2003	4/3/2003	4/3/2003	4/17/2003	4/17/2003
FILE NAME	MDL	V3BE038	V3BX010	V3DC017	V3DC016	F3DP042	F3DP041
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	2.10	1.22	1.79	1.91	4.25	4.34
Acetaldehyde	0.013	0.78	0.55	1.18	1.12	2.32	2.33
Acetone	0.012	0.98	0.81	1.91	1.75	1.13	1.14
Propionaldehyde	0.003	0.08	0.05	0.12	0.12	0.37	0.35
Crotonaldehyde	0.004	0.01	0.01	0.07	0.07	0.17	0.12
Butyr/Isobutyraldehyde	0.006	0.12	0.09	0.17	0.18	0.23	0.21
Benzaldehyde	0.001	0.05	0.02	0.04	0.04	0.06	0.06
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.02	0.02	0.04	0.05	0.08	0.07
Tolualdehydes	0.003	0.05	0.01	0.02	0.03	0.04	0.04
Hexaldehyde	0.001	0.03	0.01	0.03	0.03	0.07	0.07
2,5-Dimethylbenzaldehyde	0.002	ND	ND	0.01	ND	ND	ND

* Ran out hold time.
u Under detection limit.
ND Not detected.

Detroit (Dearborn), MI (DEMI) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32543 D1	32543 R1	32545 D2	32545 R2	32681 D1	32681 R1
SAMPLE DATE		3/28/2003	3/28/2003	3/28/2003	3/28/2003	4/9/2003	4/9/2003
ANALYSIS DATE		5/10/2003	5/10/2003	5/10/2003	5/10/2003	5/9/2003	5/9/2003
FILE NAME	MDL	F3EI033	F3EI034	F3EI031	F3EI032	F3EH037	F3EH038
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	3.92	3.91	3.56	3.55	2.21	2.17
Acetaldehyde	0.013	1.52	1.51	1.34	1.34	0.83	0.83
Acetone	0.012	1.51	1.51	1.62	1.60	1.53	1.54
Propionaldehyde	0.003	0.16	0.17	0.16	0.15	0.12	0.13
Crotonaldehyde	0.004	0.07	0.09	0.09	0.06	0.03	0.03
Butyr/Isobutyraldehyde	0.006	0.23	0.23	0.24	0.23	0.17	0.16
Benzaldehyde	0.001	0.05	0.05	0.05	0.04	0.03	0.03
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.05	0.05	0.04	0.06	0.05	0.04
Tolualdehydes	0.003	0.04	0.04	0.03	0.05	0.02	0.02
Hexaldehyde	0.001	0.04	0.03	0.04	0.05	0.05	0.05
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Ran out hold time.
u Under detection limit.
ND Not detected.

Detroit (Dearborn), MI (DEMI) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32683 D2	32683 R2	32833 D2	32831 D1	33148 D1	33148 R1
SAMPLE DATE		4/9/2003	4/9/2003	4/21/2003	4/21/2003	5/3/2003	5/3/2003
ANALYSIS DATE		5/9/2003	5/9/2003	5/20/2003	5/20/2003	6/4/2003	6/4/2003
FILE NAME	MDL	F3EH039	F3EH040	F3ES015	F3ES016	F3FC033	F3FC034
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	2.70	2.66	1.42	1.42	2.71	2.73
Acetaldehyde	0.013	1.04	1.04	0.62	0.62	0.96	0.97
Acetone	0.012	1.90	1.89	0.90	0.88	1.84	1.83
Propionaldehyde	0.003	0.15	0.15	0.06	0.06	0.11	0.11
Crotonaldehyde	0.004	0.03	0.03	0.04	0.04	0.04	0.04
Butyr/Isobutyraldehyde	0.006	0.19	0.19	0.11	0.12	0.21	0.22
Benzaldehyde	0.001	0.03	0.03	0.02	0.02	0.04	0.04
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.05	0.06	0.02	0.03	0.06	0.06
Tolualdehydes	0.003	0.02	0.02	0.02	0.02	0.03	0.04
Hexaldehyde	0.001	0.05	0.05	0.02	0.02	0.05	0.07
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Ran out hold time.
u Under detection limit.
ND Not detected.

Detroit (Dearborn), MI (DEMI) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		33150 D2	33150 R2	33352 D1	33354 D2	33474 D1	33474 R1
SAMPLE DATE		5/3/2003	5/3/2003	5/15/2003	5/15/2003	5/27/2003	5/27/2003
ANALYSIS DATE		6/4/2003	6/4/2003	6/26/2003	6/26/2003	7/8/2003	7/8/2003
FILE NAME	MDL	F3FC031	F3FC032	V3FZ017	V3FZ016	V3GG049	V3GG050
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	2.52	2.53	4.05	3.96	4.38	4.42
Acetaldehyde	0.013	0.94	0.94	1.43	1.41	1.73	1.73
Acetone	0.012	1.85	1.86	1.16	1.24	1.05	1.05
Propionaldehyde	0.003	0.11	0.11	0.22	0.22	0.32	0.32
Crotonaldehyde	0.004	0.04	0.04	0.05	0.04	0.07	0.06
Butyr/Isobutyraldehyde	0.006	0.23	0.23	0.18	0.18	0.23	0.22
Benzaldehyde	0.001	0.04	0.05	0.06	0.06	0.10	0.09
Isovaleraldehyde	0.001	ND	ND	0.02	0.01	0.03	0.03
Valeraldehyde	0.001	0.04	0.05	0.06	0.06	0.08	0.08
Tolualdehydes	0.003	0.02	0.04	0.05	0.05	0.05	0.06
Hexaldehyde	0.001	0.06	0.05	0.09	0.08	0.10	0.10
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Ran out hold time.
u Under detection limit.
ND Not detected.

Detroit (Dearborn), MI (DEMI) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	33476 D2		33476 R2	*33591 D1	*33591 R1	*33593 D2	*33593 R2
SAMPLE DATE	5/27/2003		5/27/2003	6/8/2003	6/8/2003	6/8/2003	6/8/2003
ANALYSIS DATE	7/8/2003		7/8/2003	8/7/2003	8/7/2003	8/7/2003	8/7/2003
FILE NAME	MDL	V3GG051	V3GG052	F3HF029	F3HF030	F3HF031	F3HF032
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	4.57	4.66	4.50	4.56	4.66	4.72
Acetaldehyde	0.013	1.77	1.77	1.54	1.56	1.60	1.63
Acetone	0.012	1.12	1.12	0.53	0.55	0.55	0.57
Propionaldehyde	0.003	0.33	0.32	0.24	0.25	0.24	0.24
Crotonaldehyde	0.004	0.06	0.06	0.09	0.08	0.09	0.10
Butyr/Isobutyraldehyde	0.006	0.23	0.23	0.17	0.17	0.18	0.18
Benzaldehyde	0.001	0.09	0.09	0.06	0.06	0.06	0.06
Isovaleraldehyde	0.001	0.03	0.03	ND	ND	ND	ND
Valeraldehyde	0.001	0.07	0.07	0.06	0.06	0.07	0.06
Tolualdehydes	0.003	0.07	0.07	0.05	0.06	0.05	0.06
Hexaldehyde	0.001	0.10	0.12	0.08	0.08	0.08	0.10
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Ran out hold time.
u Under detection limit.
ND Not detected.

Detroit (Dearborn), MI (DEMI) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		33895 D1	33895 R1	33897 D2	33897 R2	34367 D1	34367 R1
SAMPLE DATE		6/20/2003	6/20/2003	6/20/2003	6/20/2003	7/14/2003	7/14/2003
ANALYSIS DATE		7/29/2003	7/29/2003	7/29/2003	7/29/2003	8/19/2003	8/19/2003
FILE NAME	MDL	F3G!036	F3G!037	F3G!038	F3G!039	V3HR030	V3HR031
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	4.69	4.72	4.95	4.94	7.69	7.71
Acetaldehyde	0.013	1.26	1.27	1.30	1.29	2.40	2.40
Acetone	0.012	1.24	1.23	1.26	1.27	0.94	0.94
Propionaldehyde	0.003	0.16	0.15	0.15	0.16	0.32	0.33
Crotonaldehyde	0.004	0.08	0.08	0.08	0.08	0.13	0.12
Butyr/Isobutyraldehyde	0.006	0.21	0.22	0.22	0.22	0.25	0.25
Benzaldehyde	0.001	0.04	0.04	0.06	0.06	0.05	0.05
Isovaleraldehyde	0.001	ND	ND	ND	ND	0.03	0.03
Valeraldehyde	0.001	0.06	0.06	0.05	0.07	0.10	0.09
Tolualdehydes	0.003	0.04	0.05	0.04	0.05	0.06	0.05
Hexaldehyde	0.001	0.07	0.07	0.08	0.08	0.14	0.13
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Ran out hold time.
u Under detection limit.
ND Not detected.

Detroit (Dearborn), MI (DEMI) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		34369 D2	34369 R2	34664 D1	34664 R1	34666 D2	34666 R2
SAMPLE DATE		7/14/2003	7/14/2003	7/26/2003	7/26/2003	7/26/2003	7/26/2003
ANALYSIS DATE		8/19/2003	8/19/2003	8/29/2003	8/29/2003	8/29/2003	8/29/2003
FILE NAME	MDL	V3HR032	V3HR033	F3H!026	F3H!027	F3H!024	F3H!025
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	7.38	7.38	4.92	5.03	4.52	4.73
Acetaldehyde	0.013	2.19	2.19	1.26	1.30	1.16	1.21
Acetone	0.012	0.91	0.90	0.61	0.68	0.66	0.69
Propionaldehyde	0.003	0.29	0.31	0.17	0.18	0.16	0.16
Crotonaldehyde	0.004	0.14	0.14	0.14	0.15	0.15	0.17
Butyr/Isobutyraldehyde	0.006	0.24	0.24	0.13	0.13	0.12	0.14
Benzaldehyde	0.001	0.06	0.05	0.03	0.03	0.02	0.03
Isovaleraldehyde	0.001	0.03	0.02	ND	ND	ND	ND
Valeraldehyde	0.001	0.10	0.09	0.04	0.04	0.04	0.04
Tolualdehydes	0.003	0.04	0.03	0.03	0.03	0.02	0.03
Hexaldehyde	0.001	0.10	0.13	0.05	0.04	0.05	0.05
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Ran out hold time.
u Under detection limit.
ND Not detected.

Detroit (Dearborn), MI (DEMI) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		35163 D1	35163 R1	35164 D2	35164 R2	35168 D1	35168 R1
SAMPLE DATE		8/7/2003	8/7/2003	8/7/2003	8/7/2003	8/19/2003	8/19/2003
ANALYSIS DATE		9/9/2003	9/9/2003	9/9/2003	9/9/2003	9/16/2003	9/16/2003
FILE NAME	MDL	V3IH026	V3IH027	V3IH028	V3IH029	F3IO023	F3IO024
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	6.61	6.63	6.99	6.95	1.42	1.49
Acetaldehyde	0.013	1.94	1.92	2.12	2.11	0.53	0.54
Acetone	0.012	0.81	0.82	0.78	0.79	0.82	0.85
Propionaldehyde	0.003	0.27	0.29	0.27	0.27	0.06	0.06
Crotonaldehyde	0.004	0.21	0.21	0.22	0.22	0.05	0.05
Butyr/Isobutyraldehyde	0.006	0.21	0.21	0.22	0.22	0.10	0.10
Benzaldehyde	0.001	0.05	0.05	0.06	0.07	0.02	0.02
Isovaleraldehyde	0.001	0.01	0.01	0.01	0.04	0.01	0.01
Valeraldehyde	0.001	0.07	0.07	0.08	0.08	0.02	0.02
Tolualdehydes	0.003	0.07	0.07	0.05	0.05	0.01	0.01
Hexaldehyde	0.001	0.09	0.08	0.08	0.08	0.04	0.03
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Ran out hold time.
u Under detection limit.
ND Not detected.

Detroit (Dearborn), MI (DEMI) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		35166 D2	35166 R2	35469 D1	35469 R1	35471 D2	35471 R2
SAMPLE DATE		8/19/2003	8/19/2003	8/31/2003	8/31/2003	8/31/2003	8/31/2003
ANALYSIS DATE		9/16/2003	9/16/2003	10/9/2003	10/9/2003	10/9/2003	10/9/2003
FILE NAME	MDL	F3IO025	F3IO026	V3JH023	V3JH024	V3JH025	V3JH026
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	1.39	1.43	4.12	4.13	4.21	4.24
Acetaldehyde	0.013	0.49	0.51	1.53	1.40	1.45	1.44
Acetone	0.012	0.80	0.83	0.56	0.57	0.59	0.58
Propionaldehyde	0.003	0.06	0.06	0.17	0.17	0.18	0.17
Crotonaldehyde	0.004	0.06	0.06	0.08	0.06	0.07	0.09
Butyr/Isobutyraldehyde	0.006	0.09	0.10	0.17	0.16	0.16	0.16
Benzaldehyde	0.001	0.02	0.02	0.06	0.05	0.05	0.05
Isovaleraldehyde	0.001	0.01	0.01	0.02	0.02	0.02	0.02
Valeraldehyde	0.001	0.02	0.02	0.06	0.06	0.06	0.06
Tolualdehydes	0.003	0.02	0.01	0.04	0.05	0.05	0.04
Hexaldehyde	0.001	0.03	0.03	0.08	0.09	0.09	0.08
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Ran out hold time.
u Under detection limit.
ND Not detected.

Detroit (Dearborn), MI (DEMI) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		35721 D1	35721 R1	35723 D2	35723 R2	35905 D1	35905 R1
SAMPLE DATE		9/12/2003	9/12/2003	9/12/2003	9/12/2003	9/24/2003	9/24/2003
ANALYSIS DATE		11/3/2003	11/3/2003	11/3/2003	11/3/2003	10/30/2003	10/30/2003
FILE NAME	MDL	V3KC017	V3KC018	V3KC019	V3KC020	V3J#025	V3J#026
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	5.72	5.77	0.26	0.26	3.17	3.24
Acetaldehyde	0.013	1.57	1.60	0.13	0.14	1.21	1.21
Acetone	0.012	0.93	0.93	0.22	0.24	0.72	0.71
Propionaldehyde	0.003	0.20	0.21	0.01	0.02	0.16	0.16
Crotonaldehyde	0.004	0.11	0.10	0.005	0.003 u	0.07	0.08
Butyr/Isobutyraldehyde	0.006	0.29	0.29	0.05	0.04	0.11	0.14
Benzaldehyde	0.001	0.04	0.05	0.01	0.01	0.04	0.04
Isovaleraldehyde	0.001	0.02	0.03	ND	ND	0.01	0.02
Valeraldehyde	0.001	0.06	0.06	0.01	0.01	0.04	0.05
Tolualdehydes	0.003	0.03	0.03	0.01	0.01	0.04	0.03
Hexaldehyde	0.001	0.07	0.07	0.02	0.02	0.06	0.06
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Ran out hold time.
u Under detection limit.
ND Not detected.

Detroit (Dearborn), MI (DEMI) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		35907 D2	35907 R2	36160 D1	36160 R1	36162 D2	36162 R2
SAMPLE DATE		9/24/2003	9/24/2003	10/6/2003	10/6/2003	10/6/2003	10/6/2003
ANALYSIS DATE		10/30/2003	10/30/2003	11/4/2003	11/4/2003	11/4/2003	11/4/2003
FILE NAME	MDL	V3J#027	V3J#028	V3KC037	V3KC038	V3KC039	V3KC040
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	3.39	3.36	5.27	5.26	5.11	5.14
Acetaldehyde	0.013	1.25	1.25	1.93	1.93	1.87	1.86
Acetone	0.012	0.80	0.83	2.33	2.34	2.21	2.22
Propionaldehyde	0.003	0.18	0.19	0.19	0.21	0.21	0.22
Crotonaldehyde	0.004	0.09	0.08	0.07	0.07	0.06	0.07
Butyr/Isobutyraldehyde	0.006	0.13	0.13	0.26	0.27	0.26	0.27
Benzaldehyde	0.001	0.04	0.04	0.08	0.07	0.07	0.07
Isovaleraldehyde	0.001	0.01	0.02	0.01	0.02	0.01	0.02
Valeraldehyde	0.001	0.05	0.05	0.08	0.08	0.08	0.07
Tolualdehydes	0.003	0.03	0.03	0.08	0.08	0.08	0.08
Hexaldehyde	0.001	0.06	0.06	0.11	0.11	0.11	0.11
2,5-Dimethylbenzaldehyde	0.002	ND	ND	0.02	0.02	0.01	0.02

* Ran out hold time.
u Under detection limit.
ND Not detected.

Detroit (Dearborn), MI (DEMI) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36311 D1	36311 R1	36312 D2	36312 R2	36466 D1	36466 R1
SAMPLE DATE		10/18/2003	10/18/2003	10/18/2003	10/18/2003	10/30/2003	10/30/2003
ANALYSIS DATE		11/26/2003	11/26/2003	11/26/2003	11/26/2003	12/5/2003	12/5/2003
FILE NAME	MDL	V3KX054	V3KX055	V3KX056	V3KX057	V3LD027	V3LD028
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	4.37	4.38	4.05	4.06	5.25	5.33
Acetaldehyde	0.013	1.55	1.56	1.44	1.46	2.48	2.47
Acetone	0.012	2.02	2.03	1.83	1.84	2.09	2.05
Propionaldehyde	0.003	0.17	0.17	0.16	0.15	0.24	0.23
Crotonaldehyde	0.004	0.05	0.05	0.04	0.05	0.09	0.10
Butyr/Isobutyraldehyde	0.006	0.28	0.28	0.25	0.26	0.44	0.44
Benzaldehyde	0.001	0.04	0.04	0.04	0.04	0.11	0.11
Isovaleraldehyde	0.001	0.01	0.01	0.01	0.01	0.12	0.14
Valeraldehyde	0.001	0.05	0.05	0.04	0.04	0.15	0.15
Tolualdehydes	0.003	0.06	0.06	0.04	0.04	0.09	0.09
Hexaldehyde	0.001	0.05	0.05	0.04	0.04	0.40	0.42
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	0.01	0.02

* Ran out hold time.
u Under detection limit.
ND Not detected.

Detroit (Dearborn), MI (DEMI) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36468 D2	36468 R2	36621 D1	36621 R1	36623 D2	36623 R2
SAMPLE DATE		10/30/2003	10/30/2003	11/11/2003	11/11/2003	11/11/2003	11/11/2003
ANALYSIS DATE		12/5/2003	12/5/2003	12/16/2003	12/16/2003	12/16/2003	12/16/2003
FILE NAME	MDL	V3LD029	V3LD030	V3LN039	V3LN040	V3LN041	V3LN042
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	5.36	5.37	3.16	3.19	3.12	3.12
Acetaldehyde	0.013	2.54	2.51	1.30	1.31	1.33	1.33
Acetone	0.012	2.23	2.24	0.85	0.86	0.93	0.93
Propionaldehyde	0.003	0.22	0.24	0.17	0.17	0.18	0.14
Crotonaldehyde	0.004	0.10	0.10	0.06	0.05	0.06	0.06
Butyr/Isobutyraldehyde	0.006	0.45	0.45	0.22	0.23	0.24	0.23
Benzaldehyde	0.001	0.10	0.11	0.05	0.05	0.05	0.05
Isovaleraldehyde	0.001	0.14	0.14	0.01	0.02	0.01	0.01
Valeraldehyde	0.001	0.15	0.15	0.04	0.04	0.04	0.04
Tolualdehydes	0.003	0.09	0.09	0.03	0.03	0.03	0.03
Hexaldehyde	0.001	0.42	0.42	0.04	0.03	0.04	0.04
2,5-Dimethylbenzaldehyde	0.002	0.01	0.02	ND	ND	ND	ND

* Ran out hold time.
u Under detection limit.
ND Not detected.

Detroit (Dearborn), MI (DEMI) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36841 D1	36841 R1	36842 D2	36842 R2	37009 D1	37009 R1
SAMPLE DATE		11/23/2003	11/23/2003	11/23/2003	11/23/2003	12/5/03	12/5/03
ANALYSIS DATE		12/31/2003	12/31/2003	12/31/2003	12/31/2003	1/13/04	1/13/04
FILE NAME	MDL	V3L\$031	V3L\$032	V3L\$033	V3L\$034	V4AL029	V4AL030
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	3.62	3.60	3.31	3.37	2.39	2.40
Acetaldehyde	0.013	1.27	1.26	1.21	1.19	0.85	0.86
Acetone	0.012	0.74	0.74	0.65	0.67	1.13	1.12
Propionaldehyde	0.003	0.16	0.16	0.15	0.14	0.09	0.09
Crotonaldehyde	0.004	0.05	0.05	0.05	0.05	0.03	0.03
Butyr/Isobutyraldehyde	0.006	0.22	0.22	0.20	0.21	0.16	0.17
Benzaldehyde	0.001	0.02	0.03	0.03	0.02	0.03	0.03
Isovaleraldehyde	0.001	0.01	0.01	0.01	0.01	0.01	0.01
Valeraldehyde	0.001	0.04	0.04	0.03	0.03	0.03	0.03
Tolualdehydes	0.003	0.05	0.05	0.04	0.04	0.04	0.04
Hexaldehyde	0.001	0.04	0.03	0.03	0.03	0.04	0.04
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Ran out hold time.
u Under detection limit.
ND Not detected.

Detroit (Dearborn), MI (DEMI) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		37011 D2	37011 R2	37146 D1	37146 R1	37148 D2	37148 R2
SAMPLE DATE		12/5/03	12/5/03	12/17/03	12/17/03	12/17/03	12/17/03
ANALYSIS DATE		1/13/04	1/13/04	1/30/04	1/30/04	2/3/04	2/3/04
FILE NAME	MDL	V4AL031	V4AL032	V4A#048	V4A#049	V4BB034	V4BB035
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	2.28	2.28	1.72	1.71	1.79	1.80
Acetaldehyde	0.013	0.79	0.79	0.75	0.75	0.80	0.80
Acetone	0.012	1.02	1.03	0.97	0.97	1.05	1.04
Propionaldehyde	0.003	0.08	0.08	0.08	0.10	0.09	0.09
Crotonaldehyde	0.004	0.02	0.02	0.03	0.03	0.03	0.03
Butyr/Isobutyraldehyde	0.006	0.16	0.16	0.17	0.16	0.14	0.15
Benzaldehyde	0.001	0.03	0.02	0.02	0.02	0.02	0.02
Isovaleraldehyde	0.001	0.01	0.01	ND	ND	0.01	0.005
Valeraldehyde	0.001	0.03	0.03	0.02	0.02	0.02	0.02
Tolualdehydes	0.003	0.04	0.04	0.03	0.03	0.03	0.03
Hexaldehyde	0.001	0.03	0.04	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Ran out hold time.
u Under detection limit.
ND Not detected.

Detroit (Dearborn), MI (DEMI) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		37316 D1	37316 R1	37318 D2	37318 R2
SAMPLE DATE		12/29/03	12/29/03	12/29/03	12/29/03
ANALYSIS DATE		2/8/04	2/8/04	2/8/04	2/8/04
FILE NAME	MDL	V4BG038	V4BG039	V4BG040	V4BG041
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	1.61	1.62	1.66	1.65
Acetaldehyde	0.013	1.02	1.02	1.00	0.99
Acetone	0.012	1.09	1.10	0.93	0.93
Propionaldehyde	0.003	0.09	0.09	0.09	0.09
Crotonaldehyde	0.004	0.03	0.04	0.03	0.05
Butyr/Isobutyraldehyde	0.006	0.18	0.19	0.17	0.18
Benzaldehyde	0.001	0.03	0.03	0.03	0.03
Isovaleraldehyde	0.001	0.01	0.01	0.01	0.01
Valeraldehyde	0.001	0.03	0.03	0.03	0.03
Tolualdehydes	0.003	0.04	0.03	0.03	0.03
Hexaldehyde	0.001	0.04	0.04	0.04	0.04
2,5-Dimethylbenzaldehyde	0.002	0.01	0.01	0.005	0.01

* Ran out hold time.
u Under detection limit.
ND Not detected.

Dickson, TN (DITN) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		37150 D1	37150 R1	37152 D2	37152 R2
SAMPLE DATE		12/18/03	12/18/03	12/18/03	12/18/03
ANALYSIS DATE		1/30/04	1/30/04	1/30/04	1/30/04
FILE NAME	MDL	V4A#038	V4A#039	V4A#040	V4A#041
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	0.80	0.81	0.85	0.87
Acetaldehyde	0.013	0.31	0.32	0.31	0.31
Acetone	0.012	0.58	0.58	0.59	0.59
Propionaldehyde	0.003	0.04	0.04	0.04	0.04
Crotonaldehyde	0.004	0.02	0.02	0.02	0.02
Butyr/Isobutyraldehyde	0.006	0.11	0.11	0.11	0.11
Benzaldehyde	0.001	0.02	0.02	0.02	0.02
Isovaleraldehyde	0.001	ND	ND	ND	ND
Valeraldehyde	0.001	0.03	0.03	0.03	0.03
Tolualdehydes	0.003	0.02	0.03	0.02	0.02
Hexaldehyde	0.001	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND

COC had conflicting sample times.

D Diluted value.

u Under detection limit.

ND Not detected.

Nashville, TN (EATN) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31423	31604	31713 D1	31714 D2	31929	32026
SAMPLE DATE		1/3/2003	1/15/2003	1/27/2003	1/27/2003	2/8/2003	2/20/2003
ANALYSIS DATE		VOID	2/13/2003	VOID	VOID	3/11/2003	3/13/2003
FILE NAME	MDL	VOID	V3BL026	VOID	VOID	V3CJ021	F3CL019
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.018		2.12			2.20	1.01
Acetaldehyde	0.011		0.89			0.81	0.49
Acetone	0.010		1.34			1.30	0.57
Propionaldehyde	0.003		0.09			0.08	0.05
Crotonaldehyde	0.004		0.01			0.01	0.003 u
Butyr/Isobutyraldehyde	0.005		0.11			0.11	0.08
Benzaldehyde	0.001		0.04			0.03	0.02
Isovaleraldehyde	0.001		ND			ND	ND
Valeraldehyde	0.001		0.03			0.03	0.01
Tolualdehydes	0.003		0.03			0.03	0.01
Hexaldehyde	0.001		0.03			0.03	0.02
2,5-Dimethylbenzaldehyde	0.002		ND			ND	ND

u Under detection limit.
ND Not detected.

Nashville, TN (EATN) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32216	32395	32561 D1	32561 R1	32564 D2	32564 R2
SAMPLE DATE		3/4/2003	3/16/2003	3/28/2003	3/28/2003	3/28/2003	3/28/2003
ANALYSIS DATE		4/7/2003	4/25/2003	5/10/2003	5/10/2003	5/10/2003	5/10/2003
FILE NAME	MDL	F3DG009	F3DX025	F3EI013	F3EI014	F3EI011	F3EI012
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.018	2.88	2.85	2.59	2.59	2.63	2.63
Acetaldehyde	0.011	1.13	1.24	0.94	0.94	0.94	0.94
Acetone	0.010	1.88	1.03	0.70	0.70	0.81	0.82
Propionaldehyde	0.003	0.12	0.15	0.16	0.16	0.14	0.14
Crotonaldehyde	0.004	0.04	0.04	0.02	0.02	0.02	0.03
Butyr/Isobutyraldehyde	0.005	0.18	0.17	0.17	0.18	0.18	0.18
Benzaldehyde	0.001	0.03	0.04	0.03	0.03	0.03	0.03
Isovaleraldehyde	0.001	0.01	0.02	ND	ND	ND	ND
Valeraldehyde	0.001	0.04	0.04	0.04	0.04	0.04	0.04
Tolualdehydes	0.003	0.02	0.04	0.02	0.02	0.02	0.02
Hexaldehyde	0.001	0.04	0.06	0.03	0.03	0.03	0.03
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

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SAMPLE #		32647	32880	33108	33296 D1	33296 R1	33300 D2
SAMPLE DATE		4/9/2003	4/21/2003	5/3/2003	5/15/2003	5/15/2003	5/15/2003
ANALYSIS DATE		5/15/2003	5/30/2003	6/3/2003	6/25/2003	6/25/2003	6/25/2003
FILE NAME	MDL	F3EO007	V3E#023	F3FB020	V3FX021	V3FX022	V3FX023
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.018	1.07	2.07	2.47	3.07	3.10	3.15
Acetaldehyde	0.011	0.54	0.76	1.02	1.04	1.04	0.97
Acetone	0.010	1.38	0.79	0.95	0.49	0.51	0.41
Propionaldehyde	0.003	0.06	0.11	0.12	0.20	0.21	0.21
Crotonaldehyde	0.004	0.02	0.03	0.04	0.13	0.12	0.12
Butyr/Isobutyraldehyde	0.005	0.12	0.06	0.16	0.10	0.10	0.09
Benzaldehyde	0.001	0.02	0.04	0.03	0.07	0.07	0.07
Isovaleraldehyde	0.001	0.002	0.01	ND	0.03	0.01	0.01
Valeraldehyde	0.001	0.02	0.03	0.03	0.04	0.04	0.04
Tolualdehydes	0.003	0.02	0.02	0.03	0.04	0.04	0.04
Hexaldehyde	0.001	0.02	0.04	0.05	0.05	0.05	0.04
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

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SAMPLE #		33300 R2	33442	33563	33904	34189	34431
SAMPLE DATE		5/15/2003	5/27/2003	6/8/2003	6/20/2003	7/2/2003	7/14/2003
ANALYSIS DATE		6/25/2003	7/8/2003	VOID	7/29/2003	VOID	VOID
FILE NAME	MDL	V3FX024	V3GG031	VOID	V3G#022	VOID	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.018	3.15	2.98		3.51		
Acetaldehyde	0.011	0.98	0.94		1.03		
Acetone	0.010	0.41	0.92		0.71		
Propionaldehyde	0.003	0.21	0.15		0.19		
Crotonaldehyde	0.004	0.12	0.06		0.06		
Butyr/Isobutyraldehyde	0.005	0.10	0.11		0.09		
Benzaldehyde	0.001	0.07	0.05		0.02		
Isovaleraldehyde	0.001	0.01	0.01		ND		
Valeraldehyde	0.001	0.04	0.04		0.04		
Tolualdehydes	0.003	0.04	0.05		0.03		
Hexaldehyde	0.001	0.04	0.04		0.04		
2,5-Dimethylbenzaldehyde	0.002	ND	ND		ND		

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SAMPLE #		34712	34886	35192	35423	35779 D1	35779 R1
SAMPLE DATE		7/26/2003	8/9/2003	8/19/2003	8/31/2003	9/12/2003	9/12/2003
ANALYSIS DATE		9/3/2003	9/9/2003	9/23/2003	VOID	10/21/2003	10/21/2003
FILE NAME	MDL	V3IB027	V3IH021	F3IV023	VOID	F3JT029	F3JT030
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.018	5.62	3.78	4.64		3.96	3.99
Acetaldehyde	0.011	1.22	0.81	0.78		1.37	1.37
Acetone	0.010	0.48	0.42	0.30		0.81	0.81
Propionaldehyde	0.003	0.31	0.19	0.20		0.25	0.25
Crotonaldehyde	0.004	0.19	0.11	0.13		0.05	0.05
Butyr/Isobutyraldehyde	0.005	0.14	0.08	0.11		0.13	0.13
Benzaldehyde	0.001	0.05	0.02	0.06		0.05	0.04
Isovaleraldehyde	0.001	ND	ND	ND		ND	ND
Valeraldehyde	0.001	0.05	0.03	0.04		0.05	0.04
Tolualdehydes	0.003	0.05	0.04	0.04		0.04	0.04
Hexaldehyde	0.001	0.07	0.04	0.04		0.05	0.05
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND		ND	ND

Nashville, TN (EATN) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		35781 D2	35781 R2	35992	36154 D1	36154 R1	36156 D2
SAMPLE DATE		9/12/2003	9/12/2003	9/24/2003	10/6/2003	10/6/2003	10/6/2003
ANALYSIS DATE		10/21/2003	10/21/2003	11/4/2003	11/12/2003	11/12/2003	11/12/2003
FILE NAME	MDL	F3JT027	F3JT028	F3KC021	V3KK026	V3KK027	V3KK028
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.018	4.01	4.02	3.76	1.96	1.97	2.02
Acetaldehyde	0.011	1.36	1.37	1.33	0.84	0.84	0.85
Acetone	0.010	0.84	0.83	1.08	1.11	1.11	1.10
Propionaldehyde	0.003	0.28	0.26	0.20	0.09	0.09	0.10
Crotonaldehyde	0.004	0.06	0.05	0.07	0.04	0.05	0.04
Butyr/Isobutyraldehyde	0.005	0.11	0.14	0.15	0.10	0.10	0.10
Benzaldehyde	0.001	0.05	0.05	0.06	0.03	0.03	0.03
Isovaleraldehyde	0.001	ND	ND	ND	0.01	0.01	0.01
Valeraldehyde	0.001	0.04	0.05	0.04	0.03	0.03	0.04
Tolualdehydes	0.003	0.05	0.04	0.05	0.06	0.05	0.05
Hexaldehyde	0.001	0.05	0.05	0.04	0.04	0.04	0.04
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

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SAMPLE #		36156 R2	36305	36431	36634	36887	37003
SAMPLE DATE		10/6/2003	10/18/2003	10/30/2003	11/11/2003	11/23/2003	12/5/03
ANALYSIS DATE		11/12/2003	VOID	12/11/2003	12/15/2003	12/31/2003	VOID
FILE NAME	MDL	V3KK029	VOID	F3LJ023	F3LN013	V3L\$021	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.018	2.01		4.83	3.81	2.92	
Acetaldehyde	0.011	0.85		1.49	1.06	0.79	
Acetone	0.010	1.10		1.37	0.67	0.41	
Propionaldehyde	0.003	0.10		0.17	0.14	0.11	
Crotonaldehyde	0.004	0.04		0.05	0.04	0.02	
Butyr/Isobutyraldehyde	0.005	0.11		0.15	0.09	0.14	
Benzaldehyde	0.001	0.03		0.05	0.04	0.02	
Isovaleraldehyde	0.001	0.01		ND	0.01	0.01	
Valeraldehyde	0.001	0.03		0.03	0.02	0.02	
Tolualdehydes	0.003	0.05		0.11	0.06	0.03	
Hexaldehyde	0.001	0.04		0.03	0.02	0.02	
2,5-Dimethylbenzaldehyde	0.002	ND		ND	ND	ND	

Nashville, TN (EATN) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		37217	37360
SAMPLE DATE		12/17/03	12/29/03
ANALYSIS DATE		1/30/04	2/5/04
FILE NAME	MDL	V4A#021	V4BD017
UNITS	ppbv	ppbv	ppbv
Formaldehyde	0.018	2.08	0.85
Acetaldehyde	0.011	0.61	0.33
Acetone	0.010	3.37	0.76
Propionaldehyde	0.003	0.09	0.04
Crotonaldehyde	0.004	0.02	0.01
Butyr/Isobutyraldehyde	0.005	0.12	0.05
Benzaldehyde	0.001	0.03	0.01
Isovaleraldehyde	0.001	0.004	0.004
Valeraldehyde	0.001	0.01	0.01
Tolualdehydes	0.003	0.04	0.02
Hexaldehyde	0.001	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND

Nashville, TN (EATN) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3BL024	Meets	F3CL018	Meets	F3DX024	Meets	V3E#024	Meets
FB ID	Criteria	31603 FB	Criteria	32025 FB	Criteria	32394 FB	Criteria	32879 FB	Criteria
Sample date	per	1/15/2003		2/20/2003		3/16/2003		4/21/2003	
Date Analyzed	QAPP	2/13/2003	(Y/N)	3/13/2003	(Y/N)	4/25/2003	(Y/N)	5/30/2003	(Y/N)
Formaldehyde	<0.3	0.209	Y	0.027	Y	0.056	Y	0.237	Y
Acetaldehyde	<0.4	0.075	Y	0.086	Y	0.078	Y	0.321	Y
Acetone	<0.75	0.222	Y	0.197	Y	0.144	Y	0.408	Y
Propionaldehyde		0.010		0.006		ND		0.020	
Crotonaldehyde		0.009		0.004		0.011		0.020	
Butyraldehyde		0.049		0.123		0.207		0.171	
Benzaldehyde		0.019		0.015		0.013		0.020	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.006		0.005		0.004		0.012	
Tolualdehydes		0.028		0.025		0.032		0.043	
Hexaldehyde		0.024		0.023		0.015		0.029	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.144	Y	0.200	Y	0.281	Y	0.314	Y

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(µg/cartridge)

Data File ID	Acceptance	V3GG044	Meets	V3G#023	Meets	V3IB026	Meets	VOID	Meets
FB ID	Criteria	33441 FB	Criteria	33903 FB	Criteria	34711 FB	Criteria	35422 FB	Criteria
Sample date	per	5/27/2003		6/20/2003		7/26/2003		8/31/2003	
Date Analyzed	QAPP	7/8/2003	(Y/N)	7/30/2003	(Y/N)	9/3/2003	(Y/N)	VOID	(Y/N)
Formaldehyde	<0.3	0.152	Y	0.104	Y	0.078	Y		
Acetaldehyde	<0.4	0.077	Y	0.087	Y	0.162	Y		
Acetone	<0.75	0.134	Y	0.160	Y	0.287	Y		
Propionaldehyde		0.007		ND		0.011			
Crotonaldehyde		0.010		0.012		0.092			
Butyraldehyde		0.075		0.040		0.057			
Benzaldehyde		0.018		ND		0.018			
Isovaleraldehyde		ND		ND		ND			
Valeraldehyde		0.005		0.016		0.011			
Tolualdehydes		0.032		0.083		0.067			
Hexaldehyde		0.027		0.015		0.038			
2,5-Dimethylbenzaldehyde		ND		ND		ND			
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.173	Y	0.165	Y	0.292	Y	0.000	

Nashville, TN (EATN) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	F3LJ024	Meets	V3L\$022	Meets	V4BD018	Meets
FB ID	Criteria	36430 FB	Criteria	36886 FB	Criteria	37359 FB	Criteria
Sample date	per	10/30/2003		11/23/2003		12/29/03	
Date Analyzed	QAPP	12/11/2003	(Y/N)	12/31/2003	(Y/N)	2/5/04	(Y/N)
Formaldehyde	<0.3	0.068	Y	0.088	Y	0.047	Y
Acetaldehyde	<0.4	0.131	Y	0.072	Y	0.091	Y
Acetone	<0.75	0.172	Y	0.111	Y	0.117	Y
Propionaldehyde		0.013		0.006		ND	
Crotonaldehyde		0.008		0.011		0.007	
Butyraldehyde		0.160		0.200		0.069	
Benzaldehyde		0.016		0.025		0.015	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.011		ND		0.010	
Tolualdehydes		0.044		0.056		0.044	
Hexaldehyde		0.022		0.017		0.032	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.272	Y	0.313	Y	0.175	Y

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SAMPLE #		31988	32068	32136 D1	32138 D2	32229	32269
SAMPLE DATE		2/14/2003	2/20/2003	2/26/2003	2/26/2003	3/4/2003	3/10/2003
ANALYSIS DATE		VOID	VOID	VOID	VOID	4/7/2003	4/11/2003
FILE NAME	MDL	VOID	VOID	VOID	VOID	F3DG004	F3DJ021
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026					4.50	0.83
Acetaldehyde	0.016					5.52	0.49
Acetone	0.015					5.99	0.88
Propionaldehyde	0.004					1.21	0.05
Crotonaldehyde	0.005					0.05	0.03
Butyr/Isobutyraldehyde	0.007					0.77	0.09
Benzaldehyde	0.001					0.24	0.02
Isovaleraldehyde	0.002					ND	ND
Valeraldehyde	0.001					1.25	0.02
Tolualdehydes	0.004					0.10	0.02
Hexaldehyde	0.002					2.39	0.04
2,5-Dimethylbenzaldehyde	0.002					ND	ND

^ Post flow assumed same as pre flow.

% Low volume per COC.

D Diluted value.

u Under detection limit.

ND Not detected.

Elizabeth, NJ (ELNJ) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32369	32464	32468	32524	32633	32666
SAMPLE DATE		3/16/2003	3/19/2003	3/22/2003	3/28/2003	4/3/2003	4/9/2003
ANALYSIS DATE		4/15/2003	4/17/2003	4/17/2003	5/1/2003	VOID	5/9/2003
FILE NAME	MDL	F3DN021	F3DP045	F3DP044	F3D\$017	VOID	F3EH028
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.98	1.06	1.20	1.44		1.44
Acetaldehyde	0.016	1.69	0.42	0.68	0.75		0.63
Acetone	0.015	0.50	0.92	1.08	0.31		0.68
Propionaldehyde	0.004	0.23	0.03	0.03	0.06		0.07
Crotonaldehyde	0.005	0.07	0.02	0.03	0.03		0.03
Butyr/Isobutyraldehyde	0.007	0.13	0.05	0.08	0.06		0.26
Benzaldehyde	0.001	0.06	0.03	0.03	0.05		0.04
Isovaleraldehyde	0.002	ND	ND	ND	ND		ND
Valeraldehyde	0.001	0.05	0.01	0.01	0.03		0.03
Tolualdehydes	0.004	0.03	0.03	0.02	0.02		0.02
Hexaldehyde	0.002	0.07	0.02	0.02	0.03		0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND		ND

^ Post flow assumed same as pre flow.

% Low volume per COC.

D Diluted value.

u Under detection limit.

ND Not detected.

Elizabeth, NJ (ELNJ) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32730	32743	32914	32994 D1	32994 R1	32996 D2
SAMPLE DATE		4/13/2003	4/15/2003	4/21/2003	4/27/2003	4/27/2003	4/27/2003
ANALYSIS DATE		5/9/2003	5/23/2003	VOID	5/22/2003	5/22/2003	5/22/2003
FILE NAME	MDL	F3EH029	F3EW008	VOID	V3EU036	V3EU037	V3EU038
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	0.96	2.73		1.15	1.15	1.14
Acetaldehyde	0.016	0.49	1.80		0.63	0.63	0.62
Acetone	0.015	0.30	0.58		1.19	1.19	1.21
Propionaldehyde	0.004	0.08	0.04		0.06	0.06	0.06
Crotonaldehyde	0.005	0.03	0.06		0.02	0.03	0.03
Butyr/Isobutyraldehyde	0.007	0.04	0.07		0.06	0.06	0.06
Benzaldehyde	0.001	0.02	0.05		0.04	0.03	0.04
Isovaleraldehyde	0.002	ND	ND		ND	ND	ND
Valeraldehyde	0.001	0.01	0.03		0.02	0.03	0.03
Tolualdehydes	0.004	0.02	0.02		0.04	0.05	0.04
Hexaldehyde	0.002	0.02	0.01		0.04	0.04	0.03
2,5-Dimethylbenzaldehyde	0.002	ND	ND		ND	ND	ND

^ Post flow assumed same as pre flow.

% Low volume per COC.

D Diluted value.

u Under detection limit.

ND Not detected.

Elizabeth, NJ (ELNJ) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32996 R2	33102	33185	33312 D1	33312 R1	33314 D2
SAMPLE DATE		4/27/2003	5/3/2003	5/9/2003	5/15/2003	5/15/2003	5/15/2003
ANALYSIS DATE		5/22/2003	6/2/2003	6/6/2003	6/5/2003	6/5/2003	6/5/2003
FILE NAME	MDL	V3EU039	F3FB017	F3FE021	V3FE007	V3FE008	V3FE009
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.14	1.04	1.61	1.86	1.87	1.87
Acetaldehyde	0.016	0.62	0.61	0.96	0.86	0.87	0.89
Acetone	0.015	1.21	1.25	0.71	0.54	0.54	0.49
Propionaldehyde	0.004	0.06	0.06	0.07	0.02	0.02	0.03
Crotonaldehyde	0.005	0.04	0.02	0.03	0.01	0.02	0.02
Butyr/Isobutyraldehyde	0.007	0.06	0.09	0.08	0.03 u	0.03 u	0.03 u
Benzaldehyde	0.001	0.03	0.04	0.05	0.04	0.04	0.04
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.03	0.02	0.03	0.02	0.02	0.02
Tolualdehydes	0.004	0.05	0.02	0.04	0.03	0.05	0.05
Hexaldehyde	0.002	0.04	0.04	0.05	0.01	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	0.01	ND	ND	ND

^ Post flow assumed same as pre flow.

% Low volume per COC.

D Diluted value.

u Under detection limit.

ND Not detected.

Elizabeth, NJ (ELNJ) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		33314 R2	33358	^33430	33511	33589	33718
SAMPLE DATE		5/15/2003	5/21/2003	5/27/2003	6/2/2003	6/8/2003	6/14/2003
ANALYSIS DATE		6/5/2003	6/30/2003	7/8/2003	7/9/2003	7/16/2003	7/26/2003
FILE NAME	MDL	V3FE010	V3F\$020	V3GG037	V3GG060	V3GO038	F3GZ020
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.86	6.53 D	3.39	1.32	1.44	0.86
Acetaldehyde	0.016	0.89	6.03	1.93	0.71	0.69	0.43
Acetone	0.015	0.49	3.41	0.75	0.94	0.55	0.59
Propionaldehyde	0.004	0.03	1.46	0.11	0.04	0.03	0.09
Crotonaldehyde	0.005	0.02	0.18	0.10	0.02	0.02	0.05
Butyr/Isobutyraldehyde	0.007	0.03 u	0.92	0.07	0.05 u	0.03 u	0.09
Benzaldehyde	0.001	0.04	0.38	0.10	0.03	0.04	0.03
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.02	1.49	0.06	0.02	0.03	0.01
Tolualdehydes	0.004	0.04	0.28	0.10	0.04	0.04	0.02
Hexaldehyde	0.002	0.01	2.62 D	0.05	0.04	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	0.08	ND	ND	ND	ND

^ Post flow assumed same as pre flow.

% Low volume per COC.

D Diluted value.

u Under detection limit.

ND Not detected.

Elizabeth, NJ (ELNJ) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		33784	33900	34115 D1	34115 R1	34117 D2	34117 R2
SAMPLE DATE		6/17/2003	6/20/2003	6/26/2003	6/26/2003	6/26/2003	6/26/2003
ANALYSIS DATE		7/27/2003	7/30/2003	7/30/2003	7/31/2003	7/31/2003	7/31/2003
FILE NAME	MDL	F3GZ044	V3G#024	F3G\$021	F3G\$022	F3G\$023	F3G\$024
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.53	0.53	2.30 D	2.29 D	1.47 D	1.47 D
Acetaldehyde	0.016	0.61	0.13	0.12 D	0.07 D	ND	0.02 D
Acetone	0.015	0.13	0.65	0.15 D	0.13 D	ND	ND
Propionaldehyde	0.004	0.02	0.01	ND	ND	ND	ND
Crotonaldehyde	0.005	0.04	0.02	ND	ND	0.04 D	ND
Butyr/Isobutyraldehyde	0.007	0.04 u	0.03 u	ND	ND	0.08 D	0.08 D
Benzaldehyde	0.001	0.03	0.02	ND	ND	0.02 D	0.03 D
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.02	0.005	ND	ND	ND	ND
Tolualdehydes	0.004	0.02	0.02	0.18 D	0.08 D	0.22 D	0.25 D
Hexaldehyde	0.002	0.02	0.01	ND	ND	ND	ND
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Post flow assumed same as pre flow.

% Low volume per COC.

D Diluted value.

u Under detection limit.

ND Not detected.

Elizabeth, NJ (ELNJ) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		34173	34330	34460 D1	34460 R1	34462 D2	34462 R2
SAMPLE DATE		7/2/2003	7/8/2003	7/14/2003	7/14/2003	7/14/2003	7/14/2003
ANALYSIS DATE		8/7/2003	8/15/2003	8/19/2003	8/19/2003	8/19/2003	8/19/2003
FILE NAME	MDL	F3HF033	F3HN024	F3HR025	F3HR026	F3HR027	F3HR028
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	3.64	1.24	1.21	1.27	2.05	2.16
Acetaldehyde	0.016	0.71	0.06	0.48	0.49	0.58	0.62
Acetone	0.015	0.56	0.04	0.60	0.60	0.33	0.37
Propionaldehyde	0.004	0.06	0.01	0.02	0.01	0.02	0.03
Crotonaldehyde	0.005	0.10	0.13	0.13	0.10	0.12	0.14
Butyr/Isobutyraldehyde	0.007	0.02	0.02	0.05	0.06	0.06	0.06
Benzaldehyde	0.001	0.08	0.03	0.05	0.05	0.08	0.08
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.003	0.01	0.01	0.03	0.02
Tolualdehydes	0.004	0.18	0.02	0.04	0.06	0.09	0.09
Hexaldehyde	0.002	0.01	0.01	0.01	0.02	0.03	0.03
2,5-Dimethylbenzaldehyde	0.002	0.02	ND	ND	ND	ND	ND

^ Post flow assumed same as pre flow.

% Low volume per COC.

D Diluted value.

u Under detection limit.

ND Not detected.

Elizabeth, NJ (ELNJ) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		34561	34639	34821	34971	35053	35175
SAMPLE DATE		7/20/2003	7/26/2003	8/1/2003	8/7/2003	8/13/2003	8/19/2003
ANALYSIS DATE		8/8/2003	8/27/2003	9/4/2003	9/8/2003	9/9/2003	9/22/2003
FILE NAME	MDL	F3HF062	F3H~008	V3IC023	V3IH009	F3II013	F3IV013
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	3.73	7.38	5.04	5.46	5.95	5.17
Acetaldehyde	0.016	1.57	3.36	2.17	2.50	2.28	2.35
Acetone	0.015	0.60	0.78	0.79	0.34	0.57	0.62
Propionaldehyde	0.004	0.04	0.49	0.34	0.40	0.32	0.26
Crotonaldehyde	0.005	0.11	0.34	0.25	0.19	0.37	0.25
Butyr/Isobutyraldehyde	0.007	0.24	0.30	0.21	0.19	0.20	0.17
Benzaldehyde	0.001	0.03	0.07	0.07	0.05	0.07	0.06
Isovaleraldehyde	0.002	ND	ND	0.02	0.03	0.02	0.02
Valeraldehyde	0.001	0.02	0.15	0.09	0.06	0.07	0.06
Tolualdehydes	0.004	0.06	0.06	0.04	0.02	0.05	0.04
Hexaldehyde	0.002	0.02	0.15	0.10	0.07	0.07	0.06
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	0.01	ND	0.01

^ Post flow assumed same as pre flow.

% Low volume per COC.

D Diluted value.

u Under detection limit.

ND Not detected.

Elizabeth, NJ (ELNJ) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		35376	35445	35551	35777	35839	36003
SAMPLE DATE		8/25/2003	8/31/2003	9/6/2003	9/12/2003	9/18/2003	9/24/2003
ANALYSIS DATE		9/26/2003	10/7/2003	10/16/2003	10/20/2003	VOID	10/30/2003
FILE NAME	MDL	F3IY011	V3JF031	V3JO025	F3JT014	VOID	F3J#021
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	6.38	3.22	3.73	3.48		3.41
Acetaldehyde	0.016	3.17	1.70	1.96	1.51		2.89
Acetone	0.015	1.02	0.60	1.25	0.55		1.35
Propionaldehyde	0.004	0.32	0.17	0.16	0.18		0.22
Crotonaldehyde	0.005	0.27	0.10	0.15	0.10		0.11
Butyr/Isobutyraldehyde	0.007	0.22	0.13	0.19	0.12		0.18
Benzaldehyde	0.001	0.07	0.05	0.06	0.04		0.05
Isovaleraldehyde	0.002	0.03	0.01	0.01	0.01		0.01
Valeraldehyde	0.001	0.08	0.05	0.05	0.04		0.04
Tolualdehydes	0.004	0.05	0.03	0.04	0.02		0.05
Hexaldehyde	0.002	0.07	0.05	0.05	0.05		0.06
2,5-Dimethylbenzaldehyde	0.002	0.01	ND	0.02	ND		ND

^ Post flow assumed same as pre flow.

% Low volume per COC.

D Diluted value.

u Under detection limit.

ND Not detected.

Elizabeth, NJ (ELNJ) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36043 D1	36043 R1	36045 D2	36045 R2	36138	36236
SAMPLE DATE		9/30/2003	9/30/2003	9/30/2003	9/30/2003	10/6/2003	10/12/2003
ANALYSIS DATE		11/6/2003	11/6/2003	11/6/2003	11/6/2003	11/12/2003	11/20/2003
FILE NAME	MDL	V3KE025	V3KE026	V3KE027	V3KE028	V3KK012	V3KT011
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	6.02	6.10	8.47	8.57	4.07	2.80
Acetaldehyde	0.016	3.74	3.77	4.88	4.89	4.57	5.49
Acetone	0.015	4.65	4.66	9.40	9.42	2.22	1.15
Propionaldehyde	0.004	0.80	0.79	1.01	1.02	0.14	0.07
Crotonaldehyde	0.005	0.14	0.15	0.22	0.20	0.05	0.06
Butyr/Isobutyraldehyde	0.007	0.72	0.73	1.00	1.00	0.27	0.15
Benzaldehyde	0.001	0.23	0.23	0.30	0.30	0.04	0.04
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.89	0.92	1.22	1.15	0.26	0.10
Tolualdehydes	0.004	0.16	0.16	0.22	0.24	0.04	0.03
Hexaldehyde	0.002	1.54	1.54	1.98	2.00	0.07	0.06
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	0.02	0.01

^ Post flow assumed same as pre flow.

% Low volume per COC.

D Diluted value.

u Under detection limit.

ND Not detected.

Elizabeth, NJ (ELNJ) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36340	36400 D1	36400 R1	%36402 D2	%36402 R2	36448
SAMPLE DATE		10/18/2003	10/24/2003	10/24/2003	10/24/2003	10/24/2003	10/30/2003
ANALYSIS DATE		11/25/2003	11/18/2003	11/18/2003	11/18/2003	11/18/2003	12/11/2003
FILE NAME	MDL	V3KX029	V3KQ042	V3KQ043	V3KQ044	V3KQ045	F3LJ019
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	6.13	2.81	2.85	3.60	3.59	2.81
Acetaldehyde	0.016	4.37	2.65	2.66	3.29	3.28	4.16
Acetone	0.015	2.27	2.21	2.23	2.88	2.88	2.03
Propionaldehyde	0.004	0.22	0.07	0.06	0.09	0.09	0.05
Crotonaldehyde	0.005	0.04	0.04	0.04	0.05	0.06	0.04
Butyr/Isobutyraldehyde	0.007	0.39	0.16	0.13	0.29	0.28	0.19
Benzaldehyde	0.001	0.04	0.04	0.04	0.05	0.05	0.04
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.28	0.09	0.09	0.13	0.14	0.06
Tolualdehydes	0.004	0.09	0.03	0.03	0.03	0.04	0.03
Hexaldehyde	0.002	0.08	0.05	0.04	0.11	0.11	0.03
2,5-Dimethylbenzaldehyde	0.002	0.03	ND	ND	ND	ND	ND

^ Post flow assumed same as pre flow.

% Low volume per COC.

D Diluted value.

u Under detection limit.

ND Not detected.

Elizabeth, NJ (ELNJ) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36572	36668	36763	36815	36917 D1	36917 R1
SAMPLE DATE		11/5/2003	11/11/2003	11/17/2003	11/23/2003	11/29/2003	11/29/2003
ANALYSIS DATE		12/2/2003	12/16/2003	12/28/2003	12/31/2003	1/1/2004	1/1/2004
FILE NAME	MDL	V3LA016	V3LN022	F3LI008	F3L\$026	F3L%032	F3L%033
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	3.66	5.32	5.35	5.15	1.67	1.66
Acetaldehyde	0.016	3.89	7.18	5.56	6.43	1.05	1.05
Acetone	0.015	1.82	1.76	2.22	0.98	1.12	1.11
Propionaldehyde	0.004	0.11	0.12	0.14	0.13	0.05	0.05
Crotonaldehyde	0.005	0.06	0.06	0.08	0.06	0.03	0.03
Butyr/Isobutyraldehyde	0.007	0.28	0.32	0.31	0.20	0.15	0.15
Benzaldehyde	0.001	0.08	0.08	0.10	0.09	0.02	0.02
Isovaleraldehyde	0.002	ND	0.01	ND	0.01	ND	ND
Valeraldehyde	0.001	0.07	0.06	0.05	0.05	0.04	0.04
Tolualdehydes	0.004	0.06	0.09	0.13	0.08	0.02	0.02
Hexaldehyde	0.002	0.05	0.06	0.04	0.06	0.04	0.04
2,5-Dimethylbenzaldehyde	0.002	ND	0.02	ND	0.02	0.01	0.01

^ Post flow assumed same as pre flow.

% Low volume per COC.

D Diluted value.

u Under detection limit.

ND Not detected.

Elizabeth, NJ (ELNJ) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36919 D2	36919 R2	37026 D1	37026 R1	37028 D2	37028 R2
SAMPLE DATE		11/29/2003	11/29/2003	12/5/03	12/5/03	12/5/03	12/5/03
ANALYSIS DATE		1/1/2004	1/1/2004	1/12/04	1/12/04	1/12/04	1/12/04
FILE NAME	MDL	F3L%030	F3L%031	V4AK025	V4AK026	V4AK027	V4AK028
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.67	1.69	4.77	4.86	5.28	5.26
Acetaldehyde	0.016	1.06	1.06	3.48	3.52	3.85	3.86
Acetone	0.015	1.04	1.11	2.23	2.25	2.47	2.47
Propionaldehyde	0.004	0.07	0.05	0.10	0.10	0.11	0.12
Crotonaldehyde	0.005	0.02	0.02	0.08	0.08	0.09	0.10
Butyr/Isobutyraldehyde	0.007	0.14	0.14	0.22	0.23	0.24	0.24
Benzaldehyde	0.001	0.02	0.02	0.07	0.07	0.07	0.08
Isovaleraldehyde	0.002	ND	ND	0.01	0.01	0.01	0.02
Valeraldehyde	0.001	0.04	0.04	0.04	0.04	0.04	0.05
Tolualdehydes	0.004	0.03	0.03	0.08	0.07	0.10	0.10
Hexaldehyde	0.002	0.03	0.04	0.04	0.04	0.04	0.04
2,5-Dimethylbenzaldehyde	0.002	0.01	0.01	0.03	0.03	0.03	0.04

^ Post flow assumed same as pre flow.

% Low volume per COC.

D Diluted value.

u Under detection limit.

ND Not detected.

Elizabeth, NJ (ELNJ) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		37089	37195	37234	37291
SAMPLE DATE		12/11/03	12/17/03	12/23/03	12/29/03
ANALYSIS DATE		1/15/04	1/30/04	2/4/04	2/8/04
FILE NAME	MDL	V4AN016	V4A#023	V4BB044	V4BG023
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.78	4.19	4.48	4.95
Acetaldehyde	0.016	0.91	3.11	3.76	3.83
Acetone	0.015	0.72	1.50	3.07	3.22
Propionaldehyde	0.004	0.04	0.09	0.08	0.12
Crotonaldehyde	0.005	0.02	0.07	0.06	0.07
Butyr/Isobutyraldehyde	0.007	0.10	0.23	0.16	0.26
Benzaldehyde	0.001	0.02	0.06	0.07	0.07
Isovaleraldehyde	0.002	ND	0.01	ND	0.01
Valeraldehyde	0.001	0.02	0.04	0.03	0.04
Tolualdehydes	0.004	0.02	0.07	0.06	0.06
Hexaldehyde	0.002	0.03	0.05	0.04	0.04
2,5-Dimethylbenzaldehyde	0.002	ND	0.02	ND	0.02

^ Post flow assumed same as pre flow.

% Low volume per COC.

D Diluted value.

u Under detection limit.

ND Not detected.

Elizabeth, NJ (ELNJ) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance Criteria per QAPP	VOID 32067 2/20/2003 VOID	Meets Criteria (Y/N)	F3DJ022 32268 FB 3/10/2003 4/11/2003	Meets Criteria (Y/N)	F3DN022 32368 FB 3/16/2003 4/15/2003	Meets Criteria (Y/N)	F3EW009 32742 FB 4/15/2003 5/23/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3		Y	0.039	Y	0.019	Y	0.062	Y
Acetaldehyde	<0.4		Y	0.119	Y	0.045	Y	0.082	Y
Acetone	<0.75		Y	0.166	Y	0.122	Y	0.166	Y
Propionaldehyde				0.012		ND		0.010	
Crotonaldehyde				ND		ND		0.005	
Butyraldehyde				0.113		0.099		0.280	
Benzaldehyde				ND		0.005		0.005	
Isovaleraldehyde				ND		ND		ND	
Valeraldehyde				0.008		ND		ND	
Tolualdehydes				0.028		0.035		0.052	
Hexaldehyde				0.023		0.012		0.011	
2,5-Dimethylbenzaldehyde				ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.000	Y	0.183	Y	0.150	Y	0.363	Y

Elizabeth, NJ (ELNJ) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3E#029	Meets	F3FE022	Meets	V3GG038	Meets	F3GZ021	Meets
FB ID	Criteria	32913 FB	Criteria	33184 FB	Criteria	33429 FB	Criteria	33717 FB	Criteria
Sample date	per	4/21/2003		5/9/2003		5/27/2003		6/14/2003	
Date Analyzed	QAPP	5/30/2003	(Y/N)	6/6/2003	(Y/N)	7/8/2003	(Y/N)	7/26/2003	(Y/N)
Formaldehyde	<0.3	0.025	Y	0.023	Y	0.046	Y	0.107	Y
Acetaldehyde	<0.4	0.044	Y	0.050	Y	0.095	Y	0.147	Y
Acetone	<0.75	0.132	Y	0.156	Y	0.227	Y	0.152	Y
Propionaldehyde		0.008		0.005		0.013		0.014	
Crotonaldehyde		ND		0.023		0.012		0.019	
Butyraldehyde		0.096		0.249		0.097		0.238	
Benzaldehyde		0.011		0.010		0.022		0.012	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.002		0.010		0.005		0.004	
Tolualdehydes		0.324		0.003		0.137		0.060	
Hexaldehyde		0.020		0.016		0.040		0.003	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.460	Y	0.313	Y	0.324	Y	0.348	Y

Elizabeth, NJ (ELNJ) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3G#025	Meets	F3HN025	Meets	F3H~009	Meets	F3II014	Meets
FB ID	Criteria	33899 FB	Criteria	34329 FB	Criteria	34638 FB	Criteria	35052 FB	Criteria
Sample date	per	6/20/2003		7/8/2003		7/26/2003		8/13/2003	
Date Analyzed	QAPP	7/30/2003	(Y/N)	8/15/2003	(Y/N)	8/27/2003	(Y/N)	9/9/2003	(Y/N)
Formaldehyde	<0.3	0.052	Y	0.193	Y	0.080	Y	0.041	Y
Acetaldehyde	<0.4	0.130	Y	0.107	Y	0.078	Y	0.146	Y
Acetone	<0.75	0.171	Y	0.195	Y	0.235	Y	0.207	Y
Propionaldehyde		0.013		0.010		0.005		0.013	
Crotonaldehyde		0.018		0.013		0.015		0.038	
Butyraldehyde		0.047		0.071		0.059		0.135	
Benzaldehyde		0.034		0.013		0.013		0.009	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.008		0.006		0.011		0.014	
Tolualdehydes		0.097		0.030		0.060		0.078	
Hexaldehyde		0.011		0.019		0.016		0.028	
2,5-Dimethylbenzaldehyde		ND		ND		ND		0.010	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.227	Y	0.160	Y	0.177	Y	0.322	Y

Elizabeth, NJ (ELNJ) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3JF030	Meets	V3JO024	Meets	F3JT013	Meets	F3J#020	Meets
FB ID	Criteria	35444 FB	Criteria	35550 FB	Criteria	35776 FB	Criteria	36002 FB	Criteria
Sample date	per	8/31/2003		9/6/2003		9/12/2003		9/24/2003	
Date Analyzed	QAPP	10/7/2003	(Y/N)	10/16/2003	(Y/N)	10/20/2003	(Y/N)	10/30/2003	(Y/N)
Formaldehyde	<0.3	0.066	Y	0.090	Y	0.030	Y	0.062	Y
Acetaldehyde	<0.4	0.102	Y	0.103	Y	0.163	Y	0.121	Y
Acetone	<0.75	0.210	Y	0.264	Y	0.274	Y	0.236	Y
Propionaldehyde		ND		0.010		0.022		0.013	
Crotonaldehyde		0.013		0.015		0.052		0.018	
Butyraldehyde		0.073		0.129		0.070		0.060	
Benzaldehyde		0.028		0.021		0.016		0.012	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.014		0.017		0.016		0.017	
Tolualdehydes		0.068		0.040		0.405		0.034	
Hexaldehyde		0.051		0.032		0.058		0.023	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.246	Y	0.263	Y	0.637	Y	0.176	Y

Elizabeth, NJ (ELNJ) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3KT012	Meets	F3LJ020	Meets	V3LA015	Meets	F3LS027	Meets
FB ID	Criteria	36235 FB	Criteria	36447 FB	Criteria	36571 FB	Criteria	36814 FB	Criteria
Sample date	per	10/12/2003		10/30/2003		11/5/2003		11/23/2003	
Date Analyzed	QAPP	11/21/2003	(Y/N)	12/11/2003	(Y/N)	12/2/2003	(Y/N)	12/31/2003	(Y/N)
Formaldehyde	<0.3	0.035	Y	0.053	Y	0.073	Y	0.074	Y
Acetaldehyde	<0.4	0.121	Y	0.128	Y	0.078	Y	0.080	Y
Acetone	<0.75	0.261	Y	0.255	Y	0.155	Y	0.129	Y
Propionaldehyde		0.019		0.016		ND		0.005	
Crotonaldehyde		0.021		ND		0.050		0.009	
Butyraldehyde		0.130		0.095		0.219		0.153	
Benzaldehyde		0.018		0.016		0.014		0.011	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.011		0.013		0.006		0.003	
Tolualdehydes		0.019		0.022		0.068		0.037	
Hexaldehyde		0.026		0.024		0.031		0.014	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.243	Y	0.184	Y	0.387	Y	0.231	Y

Elizabeth, NJ (ELNJ) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V4AN013	Meets	V4BG022	Meets
FB ID	Criteria	37088 FB	Criteria	37290 FB	Criteria
Sample date	per	12/11/03		12/29/03	
Date Analyzed	QAPP	1/15/04	(Y/N)	2/8/04	(Y/N)
Formaldehyde	<0.3	0.034	Y	0.023	Y
Acetaldehyde	<0.4	0.050	Y	0.048	Y
Acetone	<0.75	0.088	Y	0.079	Y
Propionaldehyde		0.004		ND	
Crotonaldehyde		0.011		0.011	
Butyraldehyde		0.173		0.087	
Benzaldehyde		0.014		0.015	
Isovaleraldehyde		ND		ND	
Valeraldehyde		ND		ND	
Tolualdehydes		0.059		0.043	
Hexaldehyde		0.024		0.031	
2,5-Dimethylbenzaldehyde		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.283	Y	0.185	Y

Pompano Beach, FL (FLFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31540	31732 D1	31732 R1	31733 D2	31733 R2	31856
SAMPLE DATE		1/15/2003	1/27/2003	1/27/2003	1/27/2003	1/27/2003	2/8/2003
ANALYSIS DATE		VOID	2/26/2003	2/26/2003	2/26/2003	2/26/2003	3/3/2003
FILE NAME	MDL	VOID	V3BX054	V3BX055	V3BX056	V3BX057	F3CC014
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026		1.56	1.56	1.68	1.71	0.89
Acetaldehyde	0.016		1.67	1.68	1.93	1.93	1.96
Acetone	0.015		1.45	1.46	1.77	1.77	0.41
Propionaldehyde	0.004		0.10	0.10	0.13	0.13	0.04
Crotonaldehyde	0.005		0.01	0.01	0.01	0.01	0.03
Butyr/Isobutyraldehyde	0.007		0.15	0.17	0.21	0.21	0.13
Benzaldehyde	0.001		0.03	0.04	0.04	0.05	0.04
Isovaleraldehyde	0.002		ND	ND	0.01	0.01	ND
Valeraldehyde	0.001		0.03	0.03	0.05	0.05	0.02
Tolualdehydes	0.004		0.02	0.02	0.02	0.03	0.01
Hexaldehyde	0.002		0.05	0.04	0.07	0.07	0.06
2,5-Dimethylbenzaldehyde	0.002		ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Pompano Beach, FL (FLFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31993	32198	32344	32499 D1	32499 R1	32500 D2
SAMPLE DATE		2/20/2003	3/4/2003	3/16/2003	3/28/2003	3/28/2003	3/28/2003
ANALYSIS DATE		3/13/2003	4/7/2003	4/11/2003	5/8/2003	5/8/2003	5/8/2003
FILE NAME	MDL	V3CL026	F3DG016	F3DJ024	F3EF055	F3EF056	F3EF053
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	0.65	1.56	1.45	1.52	1.52	1.49
Acetaldehyde	0.016	1.14	1.74	2.11	2.45	2.45	2.59
Acetone	0.015	0.12	0.48	0.18	0.36	0.36	0.45
Propionaldehyde	0.004	0.02	0.05	0.06	0.08	0.07	0.07
Crotonaldehyde	0.005	0.003	u	0.06	0.07	0.07	0.07
Butyr/Isobutyraldehyde	0.007	0.06	0.14	0.14	0.13	0.13	0.14
Benzaldehyde	0.001	0.03	0.06	0.06	0.07	0.07	0.08
Isovaleraldehyde	0.002	ND	0.01	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.03	0.03	0.04	0.03	0.03
Tolualdehydes	0.004	0.01	0.01	0.02	0.02	0.02	0.03
Hexaldehyde	0.002	0.05	0.08	0.06	0.06	0.06	0.07
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Pompano Beach, FL (FLFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32500 R2	32637	32817	33071	33255 D1	33255 R1
SAMPLE DATE		3/28/2003	4/9/2003	4/21/2003	5/3/2003	5/15/2003	5/15/2003
ANALYSIS DATE		5/8/2003	5/9/2003	5/20/2003	6/3/2003	6/27/2003	6/27/2003
FILE NAME	MDL	F3EF054	F3EH023	V3ES018	F3FB028	V3FZ041	V3FZ042
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.49	0.82	0.73	1.32	0.83	0.83
Acetaldehyde	0.016	2.57	1.09	1.05	1.86	1.34	1.33
Acetone	0.015	0.44	0.20	0.31	0.35	0.14	0.14
Propionaldehyde	0.004	0.07	0.02	0.06	NR	ND	ND
Crotonaldehyde	0.005	0.07	0.06	0.02	0.07	0.04	0.04
Butyr/Isobutyraldehyde	0.007	0.14	0.09	0.06	0.15	0.05	0.05
Benzaldehyde	0.001	0.07	0.03	0.04	0.04	0.04	0.04
Isovaleraldehyde	0.002	ND	ND	0.004	ND	ND	ND
Valeraldehyde	0.001	0.05	0.01	0.01	0.02	0.01	0.01
Tolualdehydes	0.004	0.03	0.02	0.02	0.02	0.02	0.02
Hexaldehyde	0.002	0.07	0.03	0.04	0.05	0.03	0.03
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Pompano Beach, FL (FLFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		33256 D2	33256 R2	33399	*33571	33847	34157
SAMPLE DATE		5/15/2003	5/15/2003	5/27/2003	6/8/2003	6/20/2003	7/2/2003
ANALYSIS DATE		6/27/2003	6/27/2003	7/3/2003	7/25/2003	7/29/2003	8/11/2003
FILE NAME	MDL	V3FZ039	V3FZ040	V3GB012	F3GX025	F3G!030	F3HK007
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	0.82	0.82	0.35	1.07	1.52	1.06
Acetaldehyde	0.016	1.31	1.31	0.54	1.43	2.22	1.57
Acetone	0.015	0.18	0.17	0.12	0.38	0.48	0.26
Propionaldehyde	0.004	ND	ND	ND	0.02	0.04	0.03
Crotonaldehyde	0.005	0.03	0.04	0.03	0.08	0.13	0.07
Butyr/Isobutyraldehyde	0.007	0.06	0.06	0.02	0.18	0.12	0.04
Benzaldehyde	0.001	0.04	0.04	0.01	0.04	0.05	0.03
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.004	0.01	0.02	0.01
Tolualdehydes	0.004	0.02	0.02	0.01	0.02	0.04	0.01
Hexaldehyde	0.002	0.04	0.04	0.02	0.03	0.05	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Pompano Beach, FL (FLFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		34320	34667	34877	35172	35410	35672 D1
SAMPLE DATE		7/14/2003	7/26/2003	8/7/2003	8/19/2003	8/31/2003	9/12/2003
ANALYSIS DATE		8/18/2003	8/28/2003	9/8/2003	9/16/2003	10/6/2003	10/16/2003
FILE NAME	MDL	V3HR017	F3H!013	V3IH013	F3IO017	V3JF012	V3JO056
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	0.80	0.49	1.49	1.06	0.68	1.22
Acetaldehyde	0.016	0.95	0.52	1.84	1.61	0.50	1.32
Acetone	0.015	0.29	0.12	0.28	0.26	0.14	0.29
Propionaldehyde	0.004	ND	0.01	0.05	0.05	0.01	0.02
Crotonaldehyde	0.005	0.05	0.05	0.14	0.08	0.03	0.05
Butyr/Isobutyraldehyde	0.007	0.02	0.02	0.06	0.08	0.04	0.11
Benzaldehyde	0.001	0.02	0.02	0.03	0.03	0.02	0.03
Isovaleraldehyde	0.002	ND	ND	0.01	ND	ND	0.003
Valeraldehyde	0.001	0.01	0.01	0.01	0.01	0.01	0.01
Tolualdehydes	0.004	0.01	0.01	0.02	0.01	0.01	0.02
Hexaldehyde	0.002	0.02	0.02	0.03	0.02	0.02	0.03
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Pompano Beach, FL (FLFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		35672 R1	35671 D2	35671 R2	35928	36108	36280
SAMPLE DATE		9/12/2003	9/12/2003	9/12/2003	9/24/2003	10/6/2003	10/18/2003
ANALYSIS DATE		10/17/2003	10/17/2003	10/17/2003	10/27/2003	11/4/2003	11/25/2003
FILE NAME	MDL	V3JO057	V3JO058	V3JO059	V3J~013	V3KC033	V3KX035
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.22	1.30	1.30	1.01	0.94	1.27
Acetaldehyde	0.016	1.31	1.22	1.22	1.04	0.80	1.93
Acetone	0.015	0.30	0.24	0.24	0.11	0.21	0.26
Propionaldehyde	0.004	0.02	0.02	0.02	0.03	0.01	0.04
Crotonaldehyde	0.005	0.07	0.06	0.06	0.05	0.04	0.07
Butyr/Isobutyraldehyde	0.007	0.09	0.08	0.08	0.07	0.04	0.10
Benzaldehyde	0.001	0.04	0.03	0.03	0.03	0.02	0.03
Isovaleraldehyde	0.002	0.001 u	ND	ND	ND	ND	0.004
Valeraldehyde	0.001	0.01	0.01	0.01	0.01	0.01	0.01
Tolualdehydes	0.004	0.01	0.01	0.01	0.01	0.01	0.02
Hexaldehyde	0.002	0.03	0.03	0.03	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Pompano Beach, FL (FLFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36415	36603	36781	36981
SAMPLE DATE		10/30/2003	11/11/2003	11/23/2003	12/5/2003
ANALYSIS DATE		12/4/2003	12/16/2003	12/31/2003	1/12/2004
FILE NAME	MDL	V3LD008	V3LN023	F3L\$031	V4AL013
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	0.67	0.55	0.53	1.04
Acetaldehyde	0.016	0.78	0.51	0.64	1.73
Acetone	0.015	0.14	0.13	0.15	0.29
Propionaldehyde	0.004	0.01	0.01	0.01	0.03
Crotonaldehyde	0.005	0.03	0.02	0.02	0.06
Butyr/Isobutyraldehyde	0.007	0.13	0.10	0.06	0.11
Benzaldehyde	0.001	0.02	0.02	0.02	0.03
Isovaleraldehyde	0.002	0.001 u	ND	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.01	0.01
Tolualdehydes	0.004	0.01	0.02	0.01	0.01
Hexaldehyde	0.002	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Pompano Beach, FL (FLFL) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	V3BX053 31731 FB 1/28/2003 2/26/2003	Meets Criteria (Y/N)	V3CL027 31992 FB 2/20/2003 3/13/2003	Meets Criteria (Y/N)	F3DJ025 32343 FB 3/16/2003 4/11/2003	Meets Criteria (Y/N)	V3ES019 32816 FB 4/21/2003 5/20/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.06	Y	0.04	Y	0.19	Y	0.04	Y
Acetaldehyde	<0.4	0.06	Y	0.08	Y	0.07	Y	0.07	Y
Acetone	<0.75	0.21	Y	0.19	Y	0.19	Y	0.21	Y
Propionaldehyde		0.01		0.01		0.01		0.01	
Crotonaldehyde		ND		ND		0.01		0.02	
Butyraldehyde		0.06		0.08		0.11		0.14	
Benzaldehyde		0.03		0.01		0.01		0.02	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.01		0.01		ND		0.01	
Tolualdehydes		0.03		0.03		0.03		0.04	
Hexaldehyde		0.03		0.02		0.02		0.03	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.160	Y	0.161	Y	0.180	Y	0.259	Y

Pompano Beach, FL (FLFL) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	V3GB013 33398 FB 5/27/2003 7/3/2003	Meets Criteria (Y/N)	V3G%018 33846 FB 6/23/2003 7/31/2003	Meets Criteria (Y/N)	F3H!014 34668 FB 7/28/2003 8/28/2003	Meets Criteria (Y/N)	V3JF011 35409 FB 8/31/2003 10/6/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.09	Y	0.03	Y	0.06	Y	0.10	Y
Acetaldehyde	<0.4	0.16	Y	0.09	Y	0.07	Y	0.08	Y
Acetone	<0.75	0.23	Y	0.31	Y	0.18	Y	0.13	Y
Propionaldehyde		0.02		0.01		0.005		ND	
Crotonaldehyde		0.03		0.02		0.04		0.05	
Butyraldehyde		0.06		0.04		0.04		0.05	
Benzaldehyde		0.02		0.03		0.01		ND	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.01		0.01		ND		0.01	
Tolualdehydes		0.04		0.07		0.03		0.05	
Hexaldehyde		0.03		0.04		0.02		0.03	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.210	Y	0.214	Y	0.156	Y	0.192	Y

Pompano Beach, FL (FLFL) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3J-018	Meets	V3LD007	Meets	F3L\$030	Meets
FB ID	Criteria	35927 FB	Criteria	36414 FB	Criteria	36872	Criteria
Sample date	per	9/24/2003		10/30/2003		11/23/2003	
Date Analyzed	QAPP	10/28/2003	(Y/N)	12/4/2003	(Y/N)	12/31/2003	(Y/N)
Formaldehyde	<0.3	0.04	Y	0.07	Y	0.04	Y
Acetaldehyde	<0.4	0.25	Y	0.18	Y	0.17	Y
Acetone	<0.75	0.16	Y	0.15	Y	0.16	Y
Propionaldehyde		0.01		0.01		0.01	
Crotonaldehyde		0.02		0.01		0.01	
Butyraldehyde		0.10		0.15		0.11	
Benzaldehyde		0.01		0.02		0.02	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.004	
Tolualdehydes		0.03		0.03		0.02	
Hexaldehyde		0.02		0.02		0.01	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.193	Y	0.237	Y	0.198	Y

Tampa (Gandy), FL (GAFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31421	31495	31665	31667	31769 D1	31769 R1
SAMPLE DATE		1/3/2003	1/9/2003	1/15/2003	1/21/2003	1/27/2003	1/27/2003
ANALYSIS DATE		2/11/2003	2/11/2003	2/13/2003	2/13/2003	2/28/2003	2/28/2003
FILE NAME	MDL	V3BJ049	V3BJ052	V3BL039	V3BL038	F3BZ031	F3BZ032
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.50	2.01	2.18	2.52	2.48	2.49
Acetaldehyde	0.016	0.60	1.11	1.30	1.30	1.35	1.34
Acetone	0.015	0.40	0.54	1.60	1.07	1.59	1.58
Propionaldehyde	0.004	0.03	0.12	0.11	0.13	0.08	0.08
Crotonaldehyde	0.005	0.004 u	0.01	0.01	0.01	0.01	0.005 u
Butyr/Isobutyraldehyde	0.007	0.04	0.09	0.11	0.11	0.14	0.12
Benzaldehyde	0.001	0.02	0.06	0.03	0.12	0.02	0.02
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.02	0.02	0.01	0.01
Tolualdehydes	0.004	0.02	0.05	0.04	0.04	0.02	0.02
Hexaldehyde	0.002	0.01	0.03	0.03	0.01	0.01	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

% Sampling duration 15.6 hours.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Tampa (Gandy), FL (GAFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31770 D2	31770 R2	31828	31857	31957	32047
SAMPLE DATE		1/27/2003	1/27/2003	2/2/2003	2/8/2003	2/14/2003	2/20/2003
ANALYSIS DATE		2/28/2003	2/28/2003	VOID	3/3/2003	3/11/2003	3/13/2003
FILE NAME	MDL	F3BZ033	F3BZ034	VOID	F3CC013	F3CJ026	V3CL024
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	2.83	2.87		1.39	2.69	2.78
Acetaldehyde	0.016	1.50	1.50		0.96	1.36	1.78
Acetone	0.015	1.60	1.60		0.88	0.99	0.58
Propionaldehyde	0.004	0.09	0.09		0.09	0.16	0.17
Crotonaldehyde	0.005	0.01	0.005 u		0.08	0.07	0.01
Butyr/Isobutyraldehyde	0.007	0.12	0.12		0.14	0.19	0.10
Benzaldehyde	0.001	0.02	0.02		0.03	0.03	0.04
Isovaleraldehyde	0.002	ND	ND		ND	ND	ND
Valeraldehyde	0.001	0.01	0.01		0.02	0.02	0.02
Tolualdehydes	0.004	0.02	0.02		0.03	0.03	0.05
Hexaldehyde	0.002	0.01	0.01		0.01	0.03	0.03
2,5-Dimethylbenzaldehyde	0.002	ND	ND		ND	ND	ND

% Sampling duration 15.6 hours.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Tampa (Gandy), FL (GAFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32151 D1	32151 R1	32152 D2	32152 R2	32200	32473
SAMPLE DATE		2/26/2003	2/26/2003	2/26/2003	2/26/2003	3/4/2003	3/22/2003
ANALYSIS DATE		4/1/2003	4/1/2003	4/1/2003	4/1/2003	4/7/2003	4/18/2003
FILE NAME	MDL	V3C%045	V3C%046	V3C%047	V3C%048	F3DG014	F3DP058
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	2.23	2.21	2.47	2.46	1.72	2.68
Acetaldehyde	0.016	1.15	1.14	1.18	1.17	0.85	1.29
Acetone	0.015	0.34	0.34	0.26	0.27	0.52	0.39
Propionaldehyde	0.004	0.11	0.10	0.11	0.12	0.11	0.20
Crotonaldehyde	0.005	0.01	0.01	0.01	0.01	0.06	0.06
Butyr/Isobutyraldehyde	0.007	0.10	0.11	0.10	0.09	0.13	0.22
Benzaldehyde	0.001	0.05	0.04	0.05	0.04	0.04	0.04
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	0.01
Valeraldehyde	0.001	0.02	0.02	0.02	0.02	0.02	0.05
Tolualdehydes	0.004	0.03	0.03	0.04	0.03	0.03	0.02
Hexaldehyde	0.002	0.01	0.01	0.01	0.01	0.04	0.04
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

% Sampling duration 15.6 hours.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Tampa (Gandy), FL (GAFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32515 D1	32515 R1	32516 D2	32516 R2	32617	32706
SAMPLE DATE		3/28/2003	3/28/2003	3/28/2003	3/28/2003	4/3/2003	4/9/2003
ANALYSIS DATE		5/7/2003	5/7/2003	5/7/2003	5/7/2003	5/7/2003	5/19/2003
FILE NAME	MDL	F3EF041	F3EF042	F3EF039	F3EF040	F3EF033	F3ES011
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	2.36	2.35	2.46	2.48	1.89	1.27
Acetaldehyde	0.016	1.24	1.23	1.56	1.57	2.22	0.70
Acetone	0.015	0.26	0.26	0.38	0.38	0.51	0.29
Propionaldehyde	0.004	0.14	0.13	0.16	0.17	0.10	0.07
Crotonaldehyde	0.005	0.08	0.08	0.09	0.09	0.07	0.05
Butyr/Isobutyraldehyde	0.007	0.13	0.12	0.19	0.19	0.17	0.12
Benzaldehyde	0.001	0.05	0.04	0.06	0.05	0.04	0.02
Isovaleraldehyde	0.002	0.01	0.01	0.01	0.01	0.01	ND
Valeraldehyde	0.001	0.03	0.02	0.04	0.04	0.02	0.02
Tolualdehydes	0.004	0.01	0.01	0.02	0.02	0.01	0.01
Hexaldehyde	0.002	0.02	0.02	0.05	0.03	0.02	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

% Sampling duration 15.6 hours.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Tampa (Gandy), FL (GAFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32772	32855	32943	33073	33191	33259 D1
SAMPLE DATE		4/15/2003	4/21/2003	4/27/2003	5/3/2003	5/9/2003	5/15/2003
ANALYSIS DATE		5/16/2003	5/29/2003	5/21/2003	6/3/2003	6/4/2003	6/6/2003
FILE NAME	MDL	V3EO029	V3E#014	V3EU011	F3FB026	F3FC025	V3FE022
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.48	1.08	0.96	1.19	1.56	1.84
Acetaldehyde	0.016	2.24	1.17	1.24	0.92	1.00	1.74
Acetone	0.015	0.43	0.17	0.39	0.22	0.15	0.25
Propionaldehyde	0.004	ND	ND	ND	0.02	0.05	NR
Crotonaldehyde	0.005	0.10	0.05	0.06	0.07	0.11	0.14
Butyr/Isobutyraldehyde	0.007	0.06	0.05	0.05	0.12	0.11	0.07
Benzaldehyde	0.001	0.04	0.03	0.02	0.02	0.03	0.03
Isovaleraldehyde	0.002	ND	0.01	ND	ND	0.01	0.01
Valeraldehyde	0.001	0.02	0.01	0.01	0.01	0.01	0.03
Tolualdehydes	0.004	0.02	0.02	0.02	0.01	0.01	0.02
Hexaldehyde	0.002	0.02	0.01	0.02	0.02	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

% Sampling duration 15.6 hours.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Tampa (Gandy), FL (GAFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		33259 R1	33260 D2	33260 R2	33370	33403	33481
SAMPLE DATE		5/15/2003	5/15/2003	5/15/2003	5/21/2003	5/27/2003	6/2/2003
ANALYSIS DATE		6/6/2003	6/6/2003	6/6/2003	6/30/2003	7/2/2003	7/9/2003
FILE NAME	MDL	V3FE023	V3FE024	V3FE025	V3F\$012	V3GB008	V3GG058
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.83	2.00	2.00	2.20	1.85	1.24
Acetaldehyde	0.016	1.74	2.12	2.12	1.34	0.82	0.74
Acetone	0.015	0.24	0.30	0.30	0.26	0.16	0.20
Propionaldehyde	0.004	NR	NR	NR	NR	NR	NR
Crotonaldehyde	0.005	0.13	0.14	0.14	0.16	0.08	0.07
Butyr/Isobutyraldehyde	0.007	0.06	0.07	0.07	0.06	0.05	0.07
Benzaldehyde	0.001	0.03	0.04	0.04	0.06	0.03	0.03
Isovaleraldehyde	0.002	0.01	0.01	0.01	0.01	0.01	0.01
Valeraldehyde	0.001	0.03	0.03	0.03	0.02	0.01	0.01
Tolualdehydes	0.004	0.02	0.02	0.02	0.02	0.01	0.01
Hexaldehyde	0.002	0.01	0.02	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

% Sampling duration 15.6 hours.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Tampa (Gandy), FL (GAFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		*33570	33681	33850	34203	34292	34322
SAMPLE DATE		6/8/2003	6/14/2003	6/20/2003	7/2/2003	7/8/2003	7/14/2003
ANALYSIS DATE		7/25/2003	7/27/2003	7/29/2003	8/7/2003	8/13/2003	8/18/2003
FILE NAME	MDL	F3GX026	F3GZ037	F3G!043	F3HF052	F3HM014	V3HR018
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.28	2.49	2.00	1.57	2.02	2.21
Acetaldehyde	0.016	0.56	0.94	0.67	0.67	0.86	0.78
Acetone	0.015	0.16	0.22	0.15	0.11	0.33	0.20
Propionaldehyde	0.004	0.04	0.08	0.26	0.13	0.13	0.08
Crotonaldehyde	0.005	0.07	0.24	0.16	0.12	0.16	0.14
Butyr/Isobutyraldehyde	0.007	0.16	0.13	0.10	0.05	0.07	0.06
Benzaldehyde	0.001	0.03	0.04	0.06	0.03	0.03	0.03
Isovaleraldehyde	0.002	0.01	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.02	0.01	0.01	0.01
Tolualdehydes	0.004	0.01	0.02	0.03	0.01	0.01	0.02
Hexaldehyde	0.002	0.02	0.02	0.04	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

% Sampling duration 15.6 hours.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Tampa (Gandy), FL (GAFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		34518	34670	34764	34880	%35088	35241
SAMPLE DATE		7/20/2003	7/26/2003	8/1/2003	8/7/2003	8/13/2003	8/19/2003
ANALYSIS DATE		8/26/2003	8/28/2003	9/4/2003	9/8/2003	9/9/2003	9/16/2003
FILE NAME	MDL	F3HY024	F3H!011	V3IC025	V3IH012	F3II009	F3IO022
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.63	2.16	2.66	1.55	2.49	1.58
Acetaldehyde	0.016	0.49	0.87	1.21	0.69	1.26	0.92
Acetone	0.015	0.17	0.23	0.27	0.14	0.24	0.24
Propionaldehyde	0.004	0.06	0.10	0.14	0.47	0.06	0.30
Crotonaldehyde	0.005	0.11	0.22	0.19	0.05	0.30	0.16
Butyr/Isobutyraldehyde	0.007	0.04	0.07	0.07	0.04	0.09	0.07
Benzaldehyde	0.001	0.02	0.03	0.03	0.02	0.04	0.03
Isovaleraldehyde	0.002	ND	ND	0.01	0.01	ND	0.01
Valeraldehyde	0.001	0.01	0.01	0.02	0.01	0.01	0.01
Tolualdehydes	0.004	0.01	0.02	0.02	0.02	0.02	0.01
Hexaldehyde	0.002	0.01	0.02	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

% Sampling duration 15.6 hours.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Tampa (Gandy), FL (GAFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		35341	35411	35569	35673 D1	35673 R1	35674 D2
SAMPLE DATE		8/25/2003	8/31/2003	9/6/2003	9/12/2003	9/12/2003	9/12/2003
ANALYSIS DATE		9/26/2003	10/6/2003	10/16/2003	10/16/2003	10/16/2003	10/16/2003
FILE NAME	MDL	F3IY017	V3JF013	V3JO032	V3JO052	V3JO053	V3JO054
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	2.42	1.72	0.58	2.69	2.69	3.00
Acetaldehyde	0.016	0.99	1.23	0.45	1.65	1.65	2.16
Acetone	0.015	0.20	0.24	0.15	0.38	0.38	0.57
Propionaldehyde	0.004	0.11	0.04	0.01	0.09	0.09	0.11
Crotonaldehyde	0.005	0.15	0.20	0.05	0.13	0.14	0.18
Butyr/Isobutyraldehyde	0.007	0.08	0.05	0.05	0.10	0.10	0.13
Benzaldehyde	0.001	0.04	0.04	0.02	0.03	0.03	0.04
Isovaleraldehyde	0.002	0.01	0.01	ND	0.005	0.005	0.004
Valeraldehyde	0.001	0.02	0.01	0.004	0.01	0.01	0.02
Tolualdehydes	0.004	0.02	0.02	0.01	0.02	0.02	0.02
Hexaldehyde	0.002	0.02	0.01	0.01	0.02	0.01	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	0.001 u	0.002 u	0.002 u	0.003

% Sampling duration 15.6 hours.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Tampa (Gandy), FL (GAFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		35674 R2	35874	35976	36024	36183	36185
SAMPLE DATE		9/12/2003	9/18/2003	9/24/2003	9/30/2003	10/6/2003	10/12/2003
ANALYSIS DATE		10/16/2003	10/20/2003	10/29/2003	11/5/2003	11/11/2003	11/11/2003
FILE NAME	MDL	V3JO055	F3JT018	V3J#017	V3KE017	V3KJ020	V3KJ019
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	3.02	2.59	3.49	1.94	3.58	2.10
Acetaldehyde	0.016	2.16	1.54	1.14	1.24	1.34	0.80
Acetone	0.015	0.58	0.40	0.21	0.17	0.25	0.22
Propionaldehyde	0.004	0.11	0.08	0.11	0.09	0.14	0.09
Crotonaldehyde	0.005	0.17	0.14	0.24	0.16	0.19	0.13
Butyr/Isobutyraldehyde	0.007	0.13	0.05	0.08	0.07	0.10	0.09
Benzaldehyde	0.001	0.04	0.02	0.04	0.02	0.05	0.03
Isovaleraldehyde	0.002	0.01	0.01	0.01	0.004	0.01	0.01
Valeraldehyde	0.001	0.02	0.02	0.02	0.01	0.02	0.02
Tolualdehydes	0.004	0.02	0.02	0.02	0.02	0.03	0.02
Hexaldehyde	0.002	0.02	0.02	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	0.003	ND	ND	ND	ND	ND

% Sampling duration 15.6 hours.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Tampa (Gandy), FL (GAFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36282	36408 D1	36408 R1	36409 D2	36409 R2	36411
SAMPLE DATE		10/18/2003	10/24/2003	10/24/2003	10/24/2003	10/24/2003	10/30/2003
ANALYSIS DATE		11/25/2003	12/5/2003	12/5/2003	12/5/2003	12/5/2003	12/5/2003
FILE NAME	MDL	V3KX033	V3LD023	V3LD024	V3LD025	V3LD026	V3LD014
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.74	3.85	3.97	4.08	4.11	2.29
Acetaldehyde	0.016	1.23	3.45	3.45	3.70	3.65	1.74
Acetone	0.015	0.37	0.57	0.56	0.93	0.92	0.35
Propionaldehyde	0.004	0.05	0.22	0.21	0.21	0.21	0.10
Crotonaldehyde	0.005	0.09	0.19	0.19	0.22	0.22	0.11
Butyr/Isobutyraldehyde	0.007	0.09	0.21	0.23	0.27	0.28	0.17
Benzaldehyde	0.001	0.03	0.07	0.07	0.07	0.06	0.04
Isovaleraldehyde	0.002	ND	0.01	0.01	0.01	0.01	0.01
Valeraldehyde	0.001	0.01	0.03	0.03	0.03	0.03	0.01
Tolualdehydes	0.004	0.02	0.04	0.04	0.04	0.03	0.02
Hexaldehyde	0.002	0.01	0.03	0.03	0.03	0.03	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	0.01	0.01	0.01	0.003	ND

% Sampling duration 15.6 hours.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Tampa (Gandy), FL (GAFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36531	36642	36734	36857	36908	36982
SAMPLE DATE		11/5/2003	11/11/2003	11/17/2003	11/23/2003	11/29/2003	12/5/2003
ANALYSIS DATE		12/12/2003	12/16/2003	12/28/2003	12/30/2003	1/8/2004	1/12/2004
FILE NAME	MDL	F3LK022	V3LN028	F3L!021	V3L\$017	F4AH012	V4AL012
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.74	1.61	1.46	1.82	1.12	1.07
Acetaldehyde	0.016	0.63	1.01	1.17	2.15	1.22	1.40
Acetone	0.015	0.16	0.26	0.25	0.39	0.84	0.36
Propionaldehyde	0.004	0.06	0.06	0.05	0.10	0.03	0.27
Crotonaldehyde	0.005	0.08	0.10	0.10	0.09	0.04	0.03
Butyr/Isobutyraldehyde	0.007	0.07	0.16	0.07	0.16	0.09	0.12
Benzaldehyde	0.001	0.03	0.02	0.03	0.03	0.01	0.02
Isovaleraldehyde	0.002	0.005	0.004	ND	0.01	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.02	0.01	0.01	0.01
Tolualdehydes	0.004	0.01	0.01	0.01	0.02	0.01	0.01
Hexaldehyde	0.002	0.02	0.02	0.02	0.02	0.01	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

% Sampling duration 15.6 hours.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Tampa (Gandy), FL (GAFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		37064	37203	37326	37328
SAMPLE DATE		12/11/2003	12/17/2003	12/23/2003	12/29/2003
ANALYSIS DATE		1/23/2004	1/30/2004	2/4/2004	2/7/2004
FILE NAME	MDL	V4AV040	V4A#034	V4BB052	V4BG018
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	0.75	0.72	1.83	2.04
Acetaldehyde	0.016	0.82	0.73	2.01	2.96
Acetone	0.015	0.52	0.39	1.44	0.74
Propionaldehyde	0.004	0.02	0.03	0.10	0.23
Crotonaldehyde	0.005	0.02	0.02	0.05	0.05
Butyr/Isobutyraldehyde	0.007	0.06	0.09	0.17	0.15
Benzaldehyde	0.001	0.01	0.01	0.04	0.03
Isovaleraldehyde	0.002	ND	ND	0.01	0.01
Valeraldehyde	0.001	0.01	0.01	0.02	0.02
Tolualdehydes	0.004	0.01	0.01	0.02	0.02
Hexaldehyde	0.002	0.01	0.01	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND

% Sampling duration 15.6 hours.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Tampa (Gandy), FL (GAFL) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3BL040	Meets	V3BL041	Meets	F3CC022	Meets	V3CL023	Meets
FB ID	Criteria	31664 FB	Criteria	31666 FB	Criteria	31827 FB	Criteria	32046 FB	Criteria
Sample date	per	1/15/2003		1/21/2003		2/2/2003		2/20/2003	
Date Analyzed	QAPP	2/13/2003	(Y/N)	2/13/2003	(Y/N)	3/4/2003	(Y/N)	3/13/2003	(Y/N)
Formaldehyde	<0.3	0.02	Y	0.10	Y	0.05	Y	0.02	Y
Acetaldehyde	<0.4	0.11	Y	0.07	Y	0.13	Y	0.12	Y
Acetone	<0.75	0.15	Y	0.19	Y	0.17	Y	0.21	Y
Propionaldehyde		0.01		0.01		0.01		0.01	
Crotonaldehyde		ND		ND		0.01		ND	
Butyraldehyde		0.06		0.05		0.13		0.08	
Benzaldehyde		0.01		0.01		0.01		0.01	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.01		0.00		0.01		0.01	
Tolualdehydes		0.06		0.03		0.03		0.03	
Hexaldehyde		0.02		0.02		0.02		0.03	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.168	Y	0.127	Y	0.221	Y	0.169	Y

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(µg/cartridge)

Data File ID	Acceptance	V3EO030	Meets	V3E#015	Meets	F3FC026	Meets	V3GB009	Meets
FB ID	Criteria	32771 FB	Criteria	32854 FB	Criteria	33190 FB	Criteria	33402 FB	Criteria
Sample date	per	4/15/2003		4/21/2003		5/6/2003		5/27/2003	
Date Analyzed	QAPP	5/16/2003	(Y/N)	5/29/2003	(Y/N)	6/4/2003	(Y/N)	7/2/2003	(Y/N)
Formaldehyde	<0.3	0.04	Y	0.02	Y	0.06	Y	0.05	Y
Acetaldehyde	<0.4	0.08	Y	0.08	Y	0.16	Y	0.11	Y
Acetone	<0.75	0.24	Y	0.17	Y	0.25	Y	0.20	Y
Propionaldehyde		0.01		0.01		0.02		0.01	
Crotonaldehyde		0.02		0.02		0.01		0.02	
Butyraldehyde		0.09		0.10		0.25		0.06	
Benzaldehyde		0.02		0.02		0.02		0.02	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.02		0.01		0.02		0.01	
Tolualdehydes		0.04		0.05		0.05		0.07	
Hexaldehyde		0.02		0.02		0.03		0.03	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.217	Y	0.217	Y	0.393	Y	0.214	Y

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(µg/cartridge)

Data File ID	Acceptance	F3GZ038	Meets	F3GI042	Meets	F3HD024	Meets	F3HM011	Meets
FB ID	Criteria	33680 FB	Criteria	33849 FB	Criteria	34001 FB	Criteria	34291 FB	Criteria
Sample date	per	6/14/2003		6/20/2003		6/26/2003		7/8/2003	
Date Analyzed	QAPP	7/27/2003	(Y/N)	7/29/2003	(Y/N)	8/5/2003	(Y/N)	8/13/2003	(Y/N)
Formaldehyde	<0.3	0.17	Y	0.16	Y	0.04	Y	0.04	Y
Acetaldehyde	<0.4	0.10	Y	0.13	Y	0.09	Y	0.08	Y
Acetone	<0.75	0.24	Y	0.26	Y	0.27	Y	0.23	Y
Propionaldehyde		0.01		0.01		0.01		0.01	
Crotonaldehyde		0.02		0.01		0.01		0.02	
Butyraldehyde		0.27		0.20		0.09		0.07	
Benzaldehyde		0.01		0.02		0.02		0.02	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.01		0.00	
Tolualdehydes		0.05		0.05		0.02		0.04	
Hexaldehyde		0.02		0.03		0.03		0.03	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.396	Y	0.337	Y	0.178	Y	0.179	Y

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(µg/cartridge)

Data File ID	Acceptance	F3H!012	Meets	F3IY016	Meets	V3JO035	Meets	V3J#018	Meets
FB ID	Criteria	34669 FB	Criteria	35342 FB	Criteria	35568 FB	Criteria	35975 FB	Criteria
Sample date	per	7/26/2003		8/25/2003		9/6/2003		9/24/2003	
Date Analyzed	QAPP	8/28/2003	(Y/N)	9/26/2003	(Y/N)	10/16/2003	(Y/N)	10/29/2003	(Y/N)
Formaldehyde	<0.3	0.03	Y	0.03	Y	0.06	Y	0.06	Y
Acetaldehyde	<0.4	0.08	Y	0.09	Y	0.15	Y	0.10	Y
Acetone	<0.75	0.27	Y	0.29	Y	0.26	Y	0.23	Y
Propionaldehyde		0.01		0.01		0.01		0.01	
Crotonaldehyde		0.01		0.01		0.02		0.01	
Butyraldehyde		0.05		0.09		0.13		0.08	
Benzaldehyde		0.02		0.02		0.02		0.01	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.01		0.01	
Tolualdehydes		0.02		0.06		0.04		0.03	
Hexaldehyde		0.02		0.02		0.03		0.03	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.133	Y	0.214	Y	0.263	Y	0.193	Y

Tampa (Gandy), FL (GAFL) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3KC030	Meets	V3KJ018	Meets	V3LD013	Meets	V3LD009	Meets
FB ID	Criteria	36147 FB	Criteria	36184 FB	Criteria	36410 FB	Criteria	36412 FB	Criteria
Sample date	per	10/6/2003		10/12/2003		10/30/2003		11/3/2003	
Date Analyzed	QAPP	11/4/2003	(Y/N)	11/11/2003	(Y/N)	12/5/2003	(Y/N)	12/5/2003	(Y/N)
Formaldehyde	<0.3	0.04	Y	0.03	Y	0.07	Y	0.06	Y
Acetaldehyde	<0.4	0.13	Y	0.10	Y	0.12	Y	0.15	Y
Acetone	<0.75	0.22	Y	0.21	Y	0.21	Y	0.22	Y
Propionaldehyde		0.01		0.01		0.01		0.01	
Crotonaldehyde		0.02		0.02		0.02		0.01	
Butyraldehyde		0.10		0.10		0.16		0.16	
Benzaldehyde		0.03		0.02		0.02		0.02	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.01		0.01	
Tolualdehydes		0.05		0.04		0.04		0.03	
Hexaldehyde		0.03		0.04		0.04		0.03	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.241	Y	0.228	Y	0.288	Y	0.268	Y

Tampa (Gandy), FL (GAFL) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	F3L1022 36733 FB 11/17/2003 12/29/2003	Meets Criteria (Y/N)	V4AV043 37063 FB 12/11/2003 1/23/2004	Meets Criteria (Y/N)	V4BG017 37327 FB 12/29/2003 2/7/2004	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.04	Y	0.04	Y	0.04	Y
Acetaldehyde	<0.4	0.13	Y	0.19	Y	0.18	Y
Acetone	<0.75	0.26	Y	0.47	Y	0.30	Y
Propionaldehyde		0.01		0.02		0.02	
Crotonaldehyde		0.02		0.02		0.01	
Butyraldehyde		0.11		0.13		0.12	
Benzaldehyde		0.02		0.03		0.04	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.01		0.03		0.02	
Tolualdehydes		0.02		0.06		0.03	
Hexaldehyde		0.03		0.05		0.06	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.218	Y	0.325	Y	0.305	Y

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SAMPLE #		31457	31575	31736 D1	31736 R1	31737 D2	31737 R2
SAMPLE DATE		1/3/2003	1/15/2003	1/27/2003	1/27/2003	1/27/2003	1/27/2003
ANALYSIS DATE		2/6/2003	2/25/2003	2/27/2003	2/28/2003	2/28/2003	2/28/2003
FILE NAME	MDL	V3BE031	V3BX024	F3BZ009	F3BZ010	F3BZ011	F3BZ012
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.93	1.83	2.55	2.54	2.48	2.47
Acetaldehyde	0.016	0.85	1.00	1.39	1.39	1.26	1.27
Acetone	0.015	0.90	1.41	1.99	1.99	1.97	1.97
Propionaldehyde	0.004	0.06	0.09	0.19	0.19	0.16	0.17
Crotonaldehyde	0.005	0.004	0.01	0.02	0.02	0.02	0.02
Butyr/Isobutyraldehyde	0.007	0.07	0.11	0.18	0.18	0.15	0.15
Benzaldehyde	0.001	0.02	0.03	0.04	0.04	0.05	0.04
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.02	0.05	0.05	0.04	0.04
Tolualdehydes	0.004	0.02	0.03	0.03	0.03	0.03	0.03
Hexaldehyde	0.002	0.02	0.02	0.05	0.06	0.06	0.05
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Gulf Port, MS (GPMS) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31893	32059	32236	32388	32510	32651
SAMPLE DATE		2/8/2003	2/20/2003	3/4/2003	3/16/2003	3/28/2003	4/9/2003
ANALYSIS DATE		3/11/2003	3/12/2003	4/5/2003	4/25/2003	4/30/2003	5/7/2003
FILE NAME	MDL	V3CJ014	V3CL010	F3DC022	F3DX030	F3D\$015	F3EF037
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.69	1.70	1.66	2.48	2.94	1.41
Acetaldehyde	0.016	0.79	0.77	0.58	0.83	0.65	1.05
Acetone	0.015	0.97	0.34	0.24	0.20	0.20	0.93
Propionaldehyde	0.004	0.06	0.09	0.07	0.07	0.02	0.06
Crotonaldehyde	0.005	0.01	0.003 u	0.05	0.04	0.01	0.06
Butyr/Isobutyraldehyde	0.007	0.08	0.06	0.10	0.14	0.09	0.09
Benzaldehyde	0.001	0.03	0.03	0.03	0.03	0.001 u	0.02
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.02	0.01	0.02	0.02	0.01	0.01
Tolualdehydes	0.004	0.03	0.03	0.03	0.02	0.01	0.02
Hexaldehyde	0.002	0.03	0.02	0.02	0.03	0.02	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Gulf Port, MS (GPMS) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32845	33092	33286 D1	33286 R1	33288 D2	33288 R2
SAMPLE DATE		4/21/2003	5/3/2003	5/15/2003	5/15/2003	5/15/2003	5/15/2003
ANALYSIS DATE		5/19/2003	6/2/2003	6/25/2003	6/25/2003	6/25/2003	6/25/2003
FILE NAME	MDL	V3ES011	F3FB009	V3FX032	V3FX033	V3FX034	V3FX035
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	3.89	2.72	1.63	1.64	1.56	1.57
Acetaldehyde	0.016	1.47	0.95	0.68	0.68	0.52	0.51
Acetone	0.015	0.71	0.45	0.11	0.12	0.10	0.09
Propionaldehyde	0.004	0.25	0.12	NR	NR	NR	NR
Crotonaldehyde	0.005	0.12	0.09	0.06	0.05	0.05	0.05
Butyr/Isobutyraldehyde	0.007	0.18	0.20	0.05	0.04	0.05	0.05
Benzaldehyde	0.001	0.09	0.04	0.02	0.02	0.02	0.02
Isovaleraldehyde	0.002	0.02	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.08	0.04	0.02	0.02	0.02	0.02
Tolualdehydes	0.004	0.02	0.02	0.01	0.01	0.01	0.01
Hexaldehyde	0.002	0.19	0.05	0.04	0.03	0.03	0.03
2,5-Dimethylbenzaldehyde	0.002	0.01	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

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SAMPLE #		33439	*33674	33920	34178	34472 D1	34472 R1
SAMPLE DATE		5/27/2003	6/8/2003	6/20/2003	7/2/2003	7/14/2003	7/14/2003
ANALYSIS DATE		7/8/2003	7/25/2003	7/28/2003	8/7/2003	8/18/2003	8/18/2003
FILE NAME	MDL	V3GG032	F3GX023	F3G!021	F3HF039	F3HR011	F3HR012
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.65	0.87	0.84	0.73	0.62	0.67
Acetaldehyde	0.016	1.80	1.10	0.48	0.58	0.52	0.55
Acetone	0.015	0.67	0.30	0.14	0.09	0.08	0.09
Propionaldehyde	0.004	0.09	0.01	NR	0.01	0.01	0.01
Crotonaldehyde	0.005	0.12	0.09	0.05	0.03	0.06	0.07
Butyr/Isobutyraldehyde	0.007	0.07	0.11	0.08	0.04	0.03	0.03
Benzaldehyde	0.001	0.04	0.03	0.01	0.004	0.01	0.01
Isovaleraldehyde	0.002	0.01	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.02	0.01	0.01	0.01	0.01	0.01
Tolualdehydes	0.004	0.01	0.02	0.01	0.01	0.004	0.01
Hexaldehyde	0.002	0.03	0.02	0.03	0.02	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

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SAMPLE #		34474 D2	34474 R2	34696	34902	35181	35439
SAMPLE DATE		7/14/2003	7/14/2003	7/26/2003	8/7/2003	8/19/2003	8/31/2003
ANALYSIS DATE		8/18/2003	8/18/2003	9/3/2003	8/20/2003	9/23/2003	9/30/2003
FILE NAME	MDL	F3HR013	F3HR014	V3IB019	V3HS017	F3IV018	F3I#023
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	0.59	0.61	1.06	0.89	0.81	0.59
Acetaldehyde	0.016	0.49	0.51	0.75	0.85	0.96	0.40
Acetone	0.015	0.07	0.08	0.29	0.26	0.23	0.11
Propionaldehyde	0.004	0.01	0.01	0.02	0.01	0.02	0.01
Crotonaldehyde	0.005	0.08	0.08	0.06	0.09	0.08	0.03
Butyr/Isobutyraldehyde	0.007	0.02	0.02	0.03	0.03	0.04	0.05
Benzaldehyde	0.001	0.01	0.01	0.01	0.01	0.01	0.01
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.01	0.01	0.01	0.01
Tolualdehydes	0.004	0.005	0.01	0.01	0.01	0.01	0.004
Hexaldehyde	0.002	0.01	0.01	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

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SAMPLE #		35727	35939	36131	36295	36497	36630 D1
SAMPLE DATE		9/12/2003	9/24/2003	10/6/2003	10/18/2003	10/30/2003	11/11/2003
ANALYSIS DATE		10/16/2003	10/27/2003	11/12/2003	11/25/2003	12/11/2003	VOID
FILE NAME	MDL	V3JO044	V3J~009	V3KK010	V3KX024	V3LJ018	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	0.74	0.83	1.06	0.92	0.64	
Acetaldehyde	0.016	1.00	1.64	1.36	1.02	0.66	
Acetone	0.015	0.31	0.79	0.59	1.02	0.18	
Propionaldehyde	0.004	0.02	0.01	0.01	0.01	0.01	
Crotonaldehyde	0.005	0.04	0.11	0.06	0.04	0.02	
Butyr/Isobutyraldehyde	0.007	0.10	0.08	0.08	0.10	0.13	
Benzaldehyde	0.001	0.01	0.02	0.01	0.01	0.01	
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	
Valeraldehyde	0.001	0.01	0.01	0.01	0.01	0.01	
Tolualdehydes	0.004	0.01	0.01	0.01	0.01	0.01	
Hexaldehyde	0.002	0.02	0.02	0.02	0.02	0.02	
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

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SAMPLE #		36632 D2	36827	36995	37177	37310
SAMPLE DATE		11/11/2003	11/23/2003	12/5/03	12/17/03	12/29/03
ANALYSIS DATE		VOID	12/30/2003	1/11/04	1/29/04	2/8/04
FILE NAME	MDL	VOID	F3L\$019	V4AK022	V4A#013	V4BG027
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026		0.71	2.38	0.43	0.48
Acetaldehyde	0.016		0.66	2.30	0.57	0.54
Acetone	0.015		0.09	1.58	0.57	0.20
Propionaldehyde	0.004		0.01	ND	ND	0.01
Crotonaldehyde	0.005		0.04	0.05	0.02	0.01
Butyr/Isobutyraldehyde	0.007		0.08	0.17	0.08	0.06
Benzaldehyde	0.001		0.01	0.03	0.01	0.01
Isovaleraldehyde	0.002		ND	ND	ND	ND
Valeraldehyde	0.001		0.01	0.03	0.01	0.01
Tolualdehydes	0.004		0.02	0.03	0.02	0.01
Hexaldehyde	0.002		0.02	0.09	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002		ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

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(µg/cartridge)

Data File ID	Acceptance	V3BX023	Meets	V3CL009	Meets	F3DX020	Meets	V3ES010	Meets
FB ID	Criteria	31574 FB	Criteria	32058 FB	Criteria	32387 FB	Criteria	32844 FB	Criteria
Sample date	per	1/15/2003		2/20/2003		3/16/2003		4/21/2003	
Date Analyzed	QAPP	2/25/2003	(Y/N)	3/12/2003	(Y/N)	4/25/2003	(Y/N)	5/19/2003	(Y/N)
Formaldehyde	<0.3	0.052	Y	0.045	Y	0.039	Y	0.040	Y
Acetaldehyde	<0.4	0.106	Y	0.057	Y	0.049	Y	0.046	Y
Acetone	<0.75	0.234	Y	0.180	Y	0.124	Y	0.148	Y
Propionaldehyde		0.011		0.007		ND		0.006	
Crotonaldehyde		0.010		ND		0.018		0.011	
Butyraldehyde		0.060		0.051		0.156		0.105	
Benzaldehyde		0.015		0.014		0.011		0.011	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.006		ND		0.004		ND	
Tolualdehydes		0.026		0.025		0.027		0.039	
Hexaldehyde		0.078		0.023		0.014		0.019	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.205	Y	0.119	Y	0.229	Y	0.189	Y

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(µg/cartridge)

Data File ID	Acceptance	V3GG034	Meets	F3GI022	Meets	V3IB018	Meets	F3I#024	Meets
FB ID	Criteria	33438 FB	Criteria	33919 FB	Criteria	34695 FB	Criteria	35438 FB	Criteria
Sample date	per	5/27/2003		6/20/2003		7/26/2003		8/31/2003	
Date Analyzed	QAPP	7/8/2003	(Y/N)	7/28/2003	(Y/N)	9/3/2003	(Y/N)	9/30/2003	(Y/N)
Formaldehyde	<0.3	0.082	Y	0.155	Y	0.051	Y	0.038	Y
Acetaldehyde	<0.4	0.155	Y	0.092	Y	0.101	Y	0.138	Y
Acetone	<0.75	0.155	Y	0.144	Y	0.245	Y	0.267	Y
Propionaldehyde		0.013		0.006		0.006		0.010	
Crotonaldehyde		0.025		0.011		0.019		ND	
Butyraldehyde		0.092		0.187		0.032		0.123	
Benzaldehyde		0.014		0.013		0.011		0.009	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.004		0.004		0.004		0.012	
Tolualdehydes		0.032		0.023		0.033		0.013	
Hexaldehyde		0.018		0.013		0.018		0.023	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.197	Y	0.256	Y	0.121	Y	0.188	Y

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(µg/cartridge)

Data File ID	Acceptance	V3J~010	Meets	V3LJ019	Meets	F3L\$020	Meets	V4BG028	Meets
FB ID	Criteria	35938 FB	Criteria	36496 FB	Criteria	36826 FB	Criteria	37309 FB	Criteria
Sample date	per	9/24/2003		10/30/2003		11/23/2003		12/29/03	
Date Analyzed	QAPP	10/27/2003	(Y/N)	12/11/2003	(Y/N)	12/31/2003	(Y/N)	2/8/04	(Y/N)
Formaldehyde	<0.3	0.027	Y	0.028	Y	0.046	Y	0.066	Y
Acetaldehyde	<0.4	0.165	Y	0.115	Y	0.099	Y	0.072	Y
Acetone	<0.75	0.250	Y	0.165	Y	0.126	Y	0.093	Y
Propionaldehyde		0.014		0.010		0.006		ND	
Crotonaldehyde		0.030		0.019		0.029		0.008	
Butyraldehyde		0.106		0.193		0.139		0.105	
Benzaldehyde		0.016		0.014		0.012		0.018	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.011		0.014		ND		ND	
Tolualdehydes		0.026		0.050		0.068		0.036	
Hexaldehyde		0.028		0.025		0.017		0.037	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.229	Y	0.323	Y	0.270	Y	0.203	Y

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SAMPLE #		33098	33234 D1	33234 R1	33236 D2	33236 R2	33387
SAMPLE DATE		5/3/2003	5/15/2003	5/15/2003	5/15/2003	5/15/2003	5/27/2003
ANALYSIS DATE		6/2/2003	6/6/2003	6/6/2003	6/6/2003	6/6/2003	7/7/2003
FILE NAME	MDL	F3FB012	V3FE052	V3FE053	V3FE054	V3FE055	V3GG017
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.029	4.63	3.40	3.47	3.65	3.73	3.62
Acetaldehyde	0.018	1.55	1.09	1.06	1.25	1.17	1.30
Acetone	0.017	0.59	0.30	0.30	0.36	0.35	0.75
Propionaldehyde	0.004	0.15	0.12	0.13	0.15	0.14	0.11
Crotonaldehyde	0.006	0.17	0.17	0.17	0.19	0.19	0.10
Butyr/Isobutyraldehyde	0.008	0.25	0.11	0.11	0.12	0.12	0.09
Benzaldehyde	0.001	0.06	0.04	0.04	0.05	0.05	0.03
Isovaleraldehyde	0.002	ND	0.02	0.01	0.02	0.03	0.01
Valeraldehyde	0.002	0.07	0.05	0.05	0.07	0.07	0.04
Tolualdehydes	0.004	0.01	0.02	0.02	0.02	0.03	0.02
Hexaldehyde	0.002	0.07	0.08	0.08	0.12	0.11	0.05
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

u Under detection limit.
ND Not detected.

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SAMPLE #		33587	33929	34167	34464 D1	34464 R1	34466 D2
SAMPLE DATE		6/8/2003	6/20/2003	7/2/2003	7/14/2003	7/14/2003	7/14/2003
ANALYSIS DATE		7/16/2003	7/28/2003	8/7/2003	8/18/2003	8/19/2003	8/19/2003
FILE NAME	MDL	V3GO039	F3G!014	F3HF036	F3HR021	F3HR022	F3HR023
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.029	2.42	4.80	3.01	4.45	4.67	4.53
Acetaldehyde	0.018	1.05	1.25	0.87	1.10	1.15	1.20
Acetone	0.017	0.46	0.59	0.28	0.33	0.35	0.43
Propionaldehyde	0.004	0.07	0.06	0.05	0.06	0.06	0.06
Crotonaldehyde	0.006	0.11	0.19	0.27	0.25	0.27	0.26
Butyr/Isobutyraldehyde	0.008	0.10	0.13	0.08	0.05	0.06	0.06
Benzaldehyde	0.001	0.04	0.04	0.03	0.03	0.04	0.03
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.002	0.03	0.03	0.03	0.02	0.02	0.03
Tolualdehydes	0.004	0.02	0.02	0.02	0.03	0.03	0.03
Hexaldehyde	0.002	0.06	0.07	0.05	0.06	0.06	0.08
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

u Under detection limit.
ND Not detected.

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SAMPLE #		34466 R2	34705	34900	35153	35430	35725
SAMPLE DATE		7/14/2003	7/26/2003	8/7/2003	8/19/2003	8/31/2003	9/12/2003
ANALYSIS DATE		8/19/2003	9/3/2003	8/20/2003	9/22/2003	10/7/2003	10/16/2003
FILE NAME	MDL	F3HR024	V3IB025	V3HS018	F3IV010	V3JF023	V3JO045
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.029	4.87	5.24	2.97	3.73	2.02	4.16
Acetaldehyde	0.018	1.29	2.23	1.09	1.49	0.78	1.62
Acetone	0.017	0.45	0.69	0.34	0.39	0.26	0.79
Propionaldehyde	0.004	0.06	0.12	0.04	0.05	0.03	0.05
Crotonaldehyde	0.006	0.28	0.45	0.23	0.36	0.18	0.13
Butyr/Isobutyraldehyde	0.008	0.07	0.10	0.04	0.07	0.08	0.12
Benzaldehyde	0.001	0.03	0.03	0.02	0.04	0.04	0.03
Isovaleraldehyde	0.002	ND	0.02	ND	ND	ND	ND
Valeraldehyde	0.002	0.03	0.03	0.02	0.03	0.02	0.02
Tolualdehydes	0.004	0.02	0.05	0.01	0.03	0.02	0.02
Hexaldehyde	0.002	0.07	0.06	0.05	0.05	0.05	0.05
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

u Under detection limit.
ND Not detected.

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SAMPLE #		35936	36127	36324	36460	36628	36882
SAMPLE DATE		9/24/2003	10/6/2003	10/18/2003	10/30/2003	11/11/2003	11/23/2003
ANALYSIS DATE		10/27/2003	11/11/2003	11/25/2003	12/10/2003	12/15/2003	12/18/2003
FILE NAME	MDL	V3J~011	V3KK008	V3KX028	F3LJ012	F3LN017	V3LQ009
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.029	1.65	1.68	1.77	2.11	1.63	1.19
Acetaldehyde	0.018	1.09	1.46	0.79	1.46	1.33	0.69
Acetone	0.017	0.58	0.74	0.81	0.60	1.01	0.37
Propionaldehyde	0.004	0.03	0.03	0.03	0.04	0.04	0.02
Crotonaldehyde	0.006	0.07	0.09	0.02	0.04	0.06	0.01
Butyr/Isobutyraldehyde	0.008	0.09	0.09	0.13	0.09	0.13	0.16
Benzaldehyde	0.001	0.02	0.02	0.02	0.02	0.02	0.01
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.002	0.02	0.02	0.02	0.01	0.01	0.01
Tolualdehydes	0.004	0.01	0.01	0.02	0.02	0.02	0.02
Hexaldehyde	0.002	0.04	0.02	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

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SAMPLE #		36993	37086	37171	37273
SAMPLE DATE		12/5/03	12/11/03	12/17/03	12/29/03
ANALYSIS DATE		1/12/04	1/14/04	1/29/04	2/5/04
FILE NAME	MDL	V4AK023	V4AN010	V4A#018	V4BD020
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.029	0.63	0.84	0.92	0.79
Acetaldehyde	0.018	0.55	0.57	0.51	0.48
Acetone	0.017	0.65	0.65	0.56	0.48
Propionaldehyde	0.004	0.02	0.02	0.01	0.01
Crotonaldehyde	0.006	0.01	0.01	0.01	0.01
Butyr/Isobutyraldehyde	0.008	0.07	0.10	0.08	0.05
Benzaldehyde	0.001	0.01	0.01	0.02	0.01
Isovaleraldehyde	0.002	0.003	ND	ND	ND
Valeraldehyde	0.002	0.01	0.01	0.01	0.01
Tolualdehydes	0.004	0.02	0.02	0.03	0.02
Hexaldehyde	0.002	0.01	0.02	0.01	0.02
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND

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(µg/cartridge)

Data File ID	Acceptance	V3GG018	Meets	F3GI015	Meets	V3IB024	Meets	V3JF022	Meets
FB ID	Criteria	33386 FB	Criteria	33928 FB	Criteria	34704 FB	Criteria	35429 FB	Criteria
Sample date	per	5/27/2003		6/20/2003		7/26/2003		8/31/2003	
Date Analyzed	QAPP	7/7/2003	(Y/N)	7/28/2003	(Y/N)	9/3/2003	(Y/N)	10/7/2003	(Y/N)
Formaldehyde	<0.3	0.117	Y	0.101	Y	0.045	Y	0.030	Y
Acetaldehyde	<0.4	0.082	Y	0.114	Y	0.193	Y	0.058	Y
Acetone	<0.75	0.110	Y	0.170	Y	0.266	Y	0.205	Y
Propionaldehyde		0.004		0.019		0.010		ND	
Crotonaldehyde		0.010		0.044		0.060		0.028	
Butyraldehyde		0.051		0.208		0.047		0.066	
Benzaldehyde		0.019		0.012		0.017		0.018	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		ND		0.007		0.011		0.006	
Tolualdehydes		0.046		0.031		0.040		0.049	
Hexaldehyde		0.013		0.006		0.041		0.041	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.142	Y	0.326	Y	0.225	Y	0.207	Y

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(µg/cartridge)

Data File ID	Acceptance	V3J~012	Meets	F3LJ011	Meets	V3LQ010	Meets	V4BD019	Meets
FB ID	Criteria	35935 FB	Criteria	36459 FB	Criteria	36881 FB	Criteria	37274 FB	Criteria
Sample date	per	9/24/2003		10/30/2003		11/23/2003		12/29/03	
Date Analyzed	QAPP	10/27/2003	(Y/N)	12/10/2003	(Y/N)	12/18/2003	(Y/N)	2/5/04	(Y/N)
Formaldehyde	<0.3	0.037	Y	0.044	Y	0.038	Y	0.025	Y
Acetaldehyde	<0.4	0.197	Y	0.107	Y	0.045	Y	0.104	Y
Acetone	<0.75	0.283	Y	0.155	Y	0.084	Y	0.143	Y
Propionaldehyde		0.015		0.010		ND		0.006	
Crotonaldehyde		0.008		0.032		0.014		0.010	
Butyraldehyde		0.095		0.118		0.171		0.068	
Benzaldehyde		0.016		0.012		0.007		0.018	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.015		0.006		ND		0.011	
Tolualdehydes		0.030		0.045		0.051		0.027	
Hexaldehyde		0.027		0.015		0.002		0.027	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.205	Y	0.237	Y	0.244	Y	0.166	Y

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SAMPLE #		33486 D1		33486 R1		33487 D2		33487 R2		%33603		33738	
CONNECTICUT SAMPLE ID		001		001		002		002		003		004	
SAMPLE VOLUME (L)		117.60		117.60		114.40		114.40		124.20		131.40	
SAMPLE DATE		6/3/2003		6/3/2003		6/3/2003		6/3/2003		6/8/2003		6/14/2003	
SAMPLE TIME		12:10-14:50		12:10-14:50		12:10-14:50		12:10-14:50		6:00-9:00		6:00-9:00	
EXTRACTION DATE		6/16/2003		6/16/2003		6/16/2003		6/16/2003		6/19/2003		6/27/2003	
ANALYSIS DATE		7/10/2003		7/10/2003		7/10/2003		7/10/2003		7/24/2003		7/27/2003	
FILE NAME	MDL	V3GI046		V3GI047		V3GI044		V3GI045		F3GX010		F3GZ051	
UNITS	ppbv	ppbv	µg	ppbv	µg	ppbv	µg	ppbv	µg	ppbv	µg	ppbv	µg
Formaldehyde	0.117	1.13	0.16	1.12	0.16	1.13	0.16	1.15	0.16	4.94	0.76	3.44	0.56
Acetaldehyde	0.071	0.80	0.17	0.80	0.17	0.78	0.16	0.78	0.16	2.05	0.46	1.79	0.43
Acetone	0.068	0.71	0.20	0.72	0.20	0.67	0.18	0.69	0.19	5.43	1.60	2.39	0.75
Propionaldehyde	0.017	0.10	0.03	0.10	0.03	0.10	0.03	0.10	0.03	0.18	0.05	0.10	0.03
Crotonaldehyde	0.024	0.06	0.02	0.04	0.01	0.07	0.02	0.04	0.01	0.10	0.04	0.08	0.03
Butyr/Isobutyraldehyde	0.033	0.26	0.09	0.27	0.09	0.26	0.09	0.26	0.09	0.69	0.25	0.89	0.34
Benzaldehyde	0.005	0.13	0.06	0.14	0.07	0.16	0.08	0.15	0.08	0.63	0.34	0.72	0.41
Isovaleraldehyde	0.008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.006	0.04	0.02	0.06	0.02	0.05	0.02	0.05	0.02	0.08	0.04	0.04	0.02
Tolualdehydes	0.018	0.07	0.04	0.08	0.05	0.09	0.05	0.08	0.05	0.23	0.14	0.12	0.08
Hexaldehyde	0.008	0.06	0.03	0.06	0.03	0.06	0.03	0.05	0.03	0.10	0.05	0.06	0.03
2,5-Dimethylbenzaldehyde	0.010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

% Analyzed out of hold time.

u Under detection limit.

ND Not detected.

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SAMPLE #		33893		34100 D1		34100 R1		34101 D2		34101 R2		34164	
CONNECTICUT SAMPLE ID		005		007		007		008		008		009	
SAMPLE VOLUME (L)		128.70		129.60		129.60		120.60		120.60		125.10	
SAMPLE DATE		6/20/2003		6/26/2003		6/26/2003		6/26/2003		6/26/2003		7/2/2003	
SAMPLE TIME		6:00-9:00		6:00-9:00		6:00-9:00		6:00-9:00		6:00-9:00		6:00-9:00	
EXTRACTION DATE		7/4/2003		7/10/2003		7/10/2003		7/10/2003		7/10/2003		7/16/2003	
ANALYSIS DATE		7/30/2003		8/5/2003		8/5/2003		8/5/2003		8/5/2003		8/11/2003	
FILE NAME	MDL	V3G#034		F3HD031		F3HD032		F3HD033		F3HD034		F3HK011	
UNITS	ppbv	ppbv	µg	ppbv	µg	ppbv	µg	ppbv	µg	ppbv	µg	ppbv	µg
Formaldehyde	0.117	7.39	1.17	15.95	2.54	16.10	2.57	16.09	2.39	16.22	2.41	9.76	1.50
Acetaldehyde	0.071	2.62	0.61	3.99	0.93	4.11	0.96	4.11	0.90	4.16	0.91	3.00	0.68
Acetone	0.068	3.73	1.14	8.02	2.47	8.04	2.48	8.68	2.49	8.84	2.54	6.51	1.94
Propionaldehyde	0.017	ND	ND	0.41	0.13	0.41	0.13	0.42	0.12	0.46	0.13	0.25	0.07
Crotonaldehyde	0.024	0.18	0.07	0.61	0.23	0.62	0.23	0.62	0.21	0.63	0.22	0.34	0.12
Butyr/Isobutyraldehyde	0.033	0.29	0.11	0.60	0.23	0.61	0.24	0.64	0.23	0.67	0.24	0.42	0.16
Benzaldehyde	0.005	0.76	0.43	0.83	0.47	0.85	0.48	0.84	0.44	0.84	0.44	0.52	0.28
Isovaleraldehyde	0.008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.006	0.05	0.02	0.12	0.06	0.13	0.06	0.14	0.06	0.14	0.06	0.06	0.03
Tolualdehydes	0.018	0.15	0.10	0.19	0.12	0.20	0.13	0.23	0.14	0.24	0.15	0.19	0.12
Hexaldehyde	0.008	0.10	0.05	0.15	0.08	0.14	0.07	0.17	0.09	0.17	0.09	0.08	0.04
2,5-Dimethylbenzaldehyde	0.010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

% Analyzed out of hold time.

u Under detection limit.

ND Not detected.

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SAMPLE #		34272		34348		34540		34689 D1		34689 R1		34690 D2	
CONNECTICUT SAMPLE ID		010		012		013		014		014		015	
SAMPLE VOLUME (L)		126.90		131.40		129.60		130.50		130.50		127.80	
SAMPLE DATE		7/8/2003		7/14/2003		7/20/2003		7/26/2003		7/26/2003		7/26/2003	
SAMPLE TIME		6:00-9:00		6:00-9:00		6:00-9:00		6:00-9:00		6:00-9:00		6:00-9:00	
EXTRACTION DATE		7/21/2003		7/28/2003		7/31/2003		8/7/2003		8/7/2003		8/7/2003	
ANALYSIS DATE		8/7/2003		8/19/2003		8/21/2003		8/12/2003		8/12/2003		8/12/2003	
FILE NAME	MDL	V3HH020		V3HR023		F3HT026		V3HK025		V3HK026		V3HK027	
UNITS	ppbv	ppbv	µg	ppbv	µg	ppbv	µg	ppbv	µg	ppbv	µg	ppbv	µg
Formaldehyde	0.117	12.25	1.91	9.03	1.46	5.59	0.89	12.07	1.94	12.18	1.96	12.45	1.96
Acetaldehyde	0.071	2.99	0.68	2.48	0.59	2.03	0.48	3.15	0.74	3.43	0.81	3.02	0.70
Acetone	0.068	4.97	1.50	5.26	1.64	3.64	1.12	6.03	1.87	5.98	1.86	6.08	1.85
Propionaldehyde	0.017	0.26	0.08	0.21	0.07	0.24	0.07	0.31	0.10	0.30	0.09	0.27	0.08
Crotonaldehyde	0.024	0.40	0.15	0.32	0.12	0.36	0.13	0.41	0.15	0.41	0.16	0.43	0.16
Butyr/Isobutyraldehyde	0.033	0.33	0.13	0.32	0.12	0.34	0.13	0.35	0.13	0.33	0.13	0.35	0.13
Benzaldehyde	0.005	0.70	0.39	0.62	0.36	0.66	0.37	0.82	0.47	0.82	0.47	0.88	0.49
Isovaleraldehyde	0.008	0.03	0.01	0.002	0.001	ND	ND	0.03	0.01	0.03	0.01	0.06	0.03
Valeraldehyde	0.006	0.11	0.05	0.09	0.04	0.06	0.03	0.10	0.05	0.10	0.05	0.14	0.06
Tolualdehydes	0.018	0.14	0.09	0.20	0.13	0.14	0.09	0.19	0.12	0.18	0.11	0.17	0.11
Hexaldehyde	0.008	0.11	0.06	0.10	0.05	0.09	0.05	0.12	0.06	0.11	0.06	0.13	0.07
2,5-Dimethylbenzaldehyde	0.010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

% Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Hartford, CT (HACT) 2003 PAMS Carbonyl Final Data Report

SAMPLE #		34690 R2		34805		34936		35151		35350		35361 D1	
CONNECTICUT SAMPLE ID		015		016		017		018		020		021	
SAMPLE VOLUME (L)		127.80		131.40		129.60		129.60		129.60		131.40	
SAMPLE DATE		7/26/2003		8/1/2003		8/7/2003		8/13/2003		8/19/2003		8/25/2003	
SAMPLE TIME		6:00-9:00		6:00-9:00		6:00-9:00		6:00-9:00		6:00-9:00		6:00-9:00	
EXTRACTION DATE		8/7/2003		8/12/2003		8/19/2003		8/27/2003		9/2/2003		9/5/2003	
ANALYSIS DATE		8/12/2003		9/3/2003		9/8/2003		9/15/2003		9/23/2003		9/6/2003	
FILE NAME	MDL	V3HK028		F3IB025		F3IH007		V3IO013		V3IV023		V3IE031	
UNITS	ppbv	ppbv	µg	ppbv	µg	ppbv	µg	ppbv	µg	ppbv	µg	ppbv	µg
Formaldehyde	0.117	12.42	1.95	4.23	0.68	6.08	0.97	15.88	2.53	11.83	1.89	16.70	2.70
Acetaldehyde	0.071	3.07	0.71	1.92	0.46	2.04	0.48	2.76	0.65	2.55	0.60	2.92	0.69
Acetone	0.068	6.27	1.91	3.66	1.15	3.09	0.95	3.69	1.14	4.93	1.52	4.26	1.33
Propionaldehyde	0.017	0.35	0.11	0.17	0.05	0.18	0.05	0.25	0.08	0.22	0.07	0.27	0.08
Crotonaldehyde	0.024	0.41	0.15	0.16	0.06	0.17	0.06	0.49	0.18	0.28	0.11	0.31	0.12
Butyr/Isobutyraldehyde	0.033	0.33	0.12	0.45	0.18	0.60	0.23	0.29	0.11	0.32	0.12	0.32	0.12
Benzaldehyde	0.005	0.85	0.48	0.70	0.40	0.66	0.37	0.57	0.32	0.66	0.37	0.76	0.43
Isovaleraldehyde	0.008	0.03	0.01	ND	ND	ND	ND	0.03	0.01	0.02	0.01	0.02	0.01
Valeraldehyde	0.006	0.09	0.04	0.06	0.03	0.05	0.02	0.10	0.04	0.09	0.04	0.11	0.05
Tolualdehydes	0.018	0.18	0.12	0.14	0.09	0.14	0.09	0.18	0.12	0.19	0.12	0.20	0.13
Hexaldehyde	0.008	0.12	0.06	0.08	0.04	0.08	0.04	0.10	0.05	0.12	0.06	0.09	0.05
2,5-Dimethylbenzaldehyde	0.010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.02	0.02

% Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Hartford, CT (HACT) 2003 PAMS Carbonyl Final Data Report

SAMPLE #		35361 R1	35362 D2	35362 R2	35457	35630	35668
CONNECTICUT SAMPLE ID		021	022	022	023	024	026
SAMPLE VOLUME (L)		131.40	124.20	124.20	129.60	129.60	127.80
SAMPLE DATE		8/25/2003	8/25/2003	8/25/2003	8/31/2003	9/6/2003	9/12/2003
SAMPLE TIME		6:00-9:00	6:00-9:00	6:00-9:00	6:00-9:00	6:00-9:00	6:00-9:00
EXTRACTION DATE		9/5/2003	9/5/2003	9/5/2003	9/12/2003	9/15/2003	9/23/2003
ANALYSIS DATE		9/6/2003	9/6/2003	9/6/2003	10/13/2003	10/15/2003	9/24/2003
FILE NAME	MDL	V3IE032	V3IE033	V3IE034	V3JM018	V3JM056	F3IW014
UNITS	ppbv	ppbv	µg	ppbv	µg	ppbv	µg
Formaldehyde	0.117	16.53	2.67	16.48	2.52	16.44	2.51
Acetaldehyde	0.071	2.94	0.70	2.92	0.66	2.93	0.66
Acetone	0.068	4.27	1.34	4.35	1.29	4.32	1.28
Propionaldehyde	0.017	0.28	0.09	0.27	0.08	0.28	0.08
Crotonaldehyde	0.024	0.29	0.11	0.36	0.13	0.34	0.12
Butyr/Isobutyraldehyde	0.033	0.32	0.13	0.28	0.10	0.29	0.11
Benzaldehyde	0.005	0.77	0.44	0.75	0.40	0.75	0.41
Isovaleraldehyde	0.008	0.03	0.02	0.04	0.02	0.02	0.01
Valeraldehyde	0.006	0.10	0.05	0.11	0.05	0.10	0.04
Tolualdehydes	0.018	0.19	0.12	0.22	0.13	0.20	0.12
Hexaldehyde	0.008	0.11	0.06	0.10	0.05	0.10	0.05
2,5-Dimethylbenzaldehyde	0.010	0.02	0.01	0.02	0.01	0.01	0.01

% Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Hartford, CT (HACT) 2003 PAMS Carbonyl Final Data Report

SAMPLE #		35877		35994 D1		35994 R1		35995 D2		35995 R2		36029	
CONNECTICUT SAMPLE ID		027		028		028		029		029		030	
SAMPLE VOLUME (L)		131.40		127.80		127.80		124.20		124.20		127.80	
SAMPLE DATE		9/18/2003		9/24/03		9/24/03		9/24/03		9/24/03		9/30/2003	
SAMPLE TIME		6:00-9:00		6:00-9:00		6:00-9:00		6:00-9:00		6:00-9:00		6:00-9:00	
EXTRACTION DATE		9/29/2003		10/7/2003		10/7/2003		10/7/2003		10/7/2003		10/7/2003	
ANALYSIS DATE		10/28/2003		11/4/2003		11/4/2003		11/4/2003		11/4/2003		11/3/2003	
FILE NAME	MDL	F3J1016		F3KC027		F3KC028		F3KC029		F3KC030		F3KC009	
UNITS	ppbv	ppbv	µg	ppbv	µg	ppbv	µg	ppbv	µg	ppbv	µg	ppbv	µg
Formaldehyde	0.117	4.75	0.77	11.29	1.78	11.38	1.79	11.39	1.74	11.49	1.76	5.51	0.87
Acetaldehyde	0.071	1.46	0.35	2.92	0.67	2.90	0.67	2.40	0.54	2.42	0.54	1.31	0.30
Acetone	0.068	3.63	1.13	6.03	1.83	6.02	1.83	6.23	1.84	6.21	1.83	2.46	0.75
Propionaldehyde	0.017	0.13	0.04	0.21	0.07	0.21	0.07	0.20	0.06	0.20	0.06	0.12	0.04
Crotonaldehyde	0.024	0.22	0.08	0.17	0.06	0.19	0.07	0.18	0.06	0.16	0.06	0.10	0.04
Butyr/Isobutyraldehyde	0.033	0.24	0.09	0.46	0.17	0.45	0.17	0.44	0.16	0.43	0.16	0.22	0.08
Benzaldehyde	0.005	0.54	0.31	0.67	0.37	0.68	0.38	0.72	0.39	0.71	0.38	0.54	0.30
Isovaleraldehyde	0.008	ND	ND	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	ND	ND
Valeraldehyde	0.006	0.04	0.02	0.09	0.04	0.09	0.04	0.08	0.04	0.07	0.03	0.23	0.11
Tolualdehydes	0.018	0.18	0.11	0.21	0.13	0.21	0.13	0.26	0.16	0.24	0.15	0.22	0.14
Hexaldehyde	0.008	0.10	0.05	0.13	0.07	0.12	0.06	0.13	0.07	0.14	0.07	0.07	0.04
2,5-Dimethylbenzaldehyde	0.010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

% Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Hartford, CT (HACT) 2003 PAMS Carbonyl Final Data Report

SAMPLE #		36107		36207 D1		36207 R1		36208 D2		36208 R2		36283	
CONNECTICUT SAMPLE ID		031		032		032		033		033		034	
SAMPLE VOLUME (L)		130.50		133.20		133.20		124.20		124.20		131.40	
SAMPLE DATE		10/6/2003		10/12/2003		10/12/2003		10/12/2003		10/12/2003		10/18/2003	
SAMPLE TIME		6:00-9:00		6:00-9:00		6:00-9:00		6:00-9:00		6:00-9:00		6:00-9:00	
EXTRACTION DATE		10/10/2003		10/23/2003		10/23/2003		10/23/2003		10/23/2003		10/31/2003	
ANALYSIS DATE		11/4/2003		11/21/2003		11/21/2003		11/21/2003		11/21/2003		11/25/2003	
FILE NAME	MDL	V3KC034		V3KT027		V3KT028		V3KT029		V3KT030		V3KX043	
UNITS	ppbv	ppbv	µg	ppbv	µg	ppbv	µg	ppbv	µg	ppbv	µg	ppbv	µg
Formaldehyde	0.117	9.92	1.59	4.78	0.78	4.77	0.78	4.68	0.72	4.76	0.73	3.70	0.60
Acetaldehyde	0.071	2.18	0.51	1.94	0.47	1.97	0.47	2.16	0.48	2.15	0.48	1.88	0.45
Acetone	0.068	13.25	4.11	3.40	1.08	3.42	1.08	3.78	1.12	3.78	1.12	3.17	0.99
Propionaldehyde	0.017	0.17	0.05	0.13	0.04	0.14	0.04	0.13	0.04	0.14	0.04	0.13	0.04
Crotonaldehyde	0.024	0.14	0.05	0.08	0.03	0.08	0.03	0.09	0.03	0.09	0.03	0.09	0.03
Butyr/Isobutyraldehyde	0.033	0.37	0.14	0.52	0.21	0.52	0.21	0.55	0.20	0.57	0.21	0.71	0.28
Benzaldehyde	0.005	1.05	0.60	0.85	0.49	0.86	0.50	0.93	0.50	0.92	0.50	1.06	0.60
Isovaleraldehyde	0.008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.006	0.05	0.02	0.05	0.02	0.04	0.02	0.05	0.02	0.05	0.02	0.18	0.08
Tolualdehydes	0.018	0.22	0.14	0.18	0.12	0.17	0.11	0.17	0.11	0.19	0.12	0.31	0.20
Hexaldehyde	0.008	0.09	0.05	0.06	0.03	0.06	0.03	0.07	0.04	0.08	0.04	0.08	0.04
2,5-Dimethylbenzaldehyde	0.010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

% Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Hartford, CT (HACT) 2003 PAMS Carbonyl Final Data Report

SAMPLE #		36355 D1	36355 R1	36356 D2	36356 R2	36417	36562
CONNECTICUT SAMPLE ID		035	035	036	036	037	039
SAMPLE VOLUME (L)		129.60	129.60	125.10	125.10	111.60	115.20
SAMPLE DATE		10/24/2003	10/24/2003	10/24/2003	10/24/2003	10/30/2003	11/5/2003
SAMPLE TIME		6:00-9:00	6:00-9:00	6:00-9:00	6:00-9:00	7:00-10:00	6:00-9:00
EXTRACTION DATE		11/3/2003	11/3/2003	11/3/2003	11/3/2003	11/6/2003	11/18/2003
ANALYSIS DATE		11/18/2003	11/18/2003	11/18/2003	11/18/2003	12/5/2003	12/2/2003
FILE NAME	MDL	V3KQ028	V3KQ029	V3KQ030	V3KQ031	V3LD021	V3LA014
UNITS	ppbv	ppbv µg	ppbv µg	ppbv µg	ppbv µg	ppbv µg	ppbv µg
Formaldehyde	0.117	10.23 1.63	10.30 1.64	10.95 1.69	10.87 1.67	7.36 1.01	3.31 0.47
Acetaldehyde	0.071	2.01 0.47	2.02 0.47	2.36 0.53	2.37 0.54	2.39 0.48	1.40 0.29
Acetone	0.068	3.22 0.99	3.23 1.00	3.98 1.19	3.95 1.18	3.95 1.05	3.15 0.86
Propionaldehyde	0.017	0.14 0.04	0.14 0.04	0.16 0.05	0.15 0.05	0.17 0.05	0.13 0.04
Crotonaldehyde	0.024	0.11 0.04	0.13 0.05	0.13 0.05	0.13 0.05	0.16 0.05	0.10 0.03
Butyr/Isobutyraldehyde	0.033	0.47 0.18	0.47 0.18	0.54 0.20	0.54 0.20	1.63 0.54	1.06 0.36
Benzaldehyde	0.005	1.28 0.72	1.28 0.72	1.34 0.73	1.33 0.72	1.31 0.64	1.12 0.56
Isovaleraldehyde	0.008	0.01 0.01	0.002 u 0.001	0.002 u 0.001	0.002 u 0.001	ND ND	0.02 0.01
Valeraldehyde	0.006	0.05 0.02	0.06 0.03	0.06 0.03	0.05 0.02	0.09 0.04	0.06 0.02
Tolualdehydes	0.018	0.23 0.15	0.24 0.15	0.24 0.15	0.24 0.15	0.27 0.15	0.18 0.10
Hexaldehyde	0.008	0.11 0.06	0.09 0.05	0.10 0.05	0.10 0.05	0.11 0.05	0.10 0.05
2,5-Dimethylbenzaldehyde	0.010	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND

% Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Hartford, CT (HACT) 2003 PAMS Carbonyl Final Data Report

SAMPLE #		36602		36735		36780		36905		37018		37065 D1	
CONNECTICUT SAMPLE ID		040		041		042		044		045		046	
SAMPLE VOLUME (L)		116.10		111.60		117.90		117.00		113.40		114.30	
SAMPLE DATE		11/11/2003		11/17/2003		11/23/2003		11/29/2003		12/5/2003		12/11/2003	
SAMPLE TIME		6:00-9:00		6:00-9:00		6:00-9:00		6:00-9:00		6:00-9:00		6:00-9:00	
EXTRACTION DATE		11/18/2003		12/1/2003		12/4/2003		12/8/2003		12/22/2003		12/24/2003	
ANALYSIS DATE		12/2/2003		12/28/2003		12/18/2003		12/31/2003		1/13/2004		1/15/2004	
FILE NAME	MDL	V3LA013		F3L!012		V3LQ021		F3L%007		V4AL020		V4AN029	
UNITS	ppbv	ppbv	µg	ppbv	µg	ppbv	µg	ppbv	µg	ppbv	µg	ppbv	µg
Formaldehyde	0.117	11.65	1.67	7.11	0.98	4.28	0.62	2.99	0.43	3.98	0.56	8.10	1.14
Acetaldehyde	0.071	3.96	0.83	3.17	0.64	2.08	0.44	1.65	0.35	1.65	0.34	2.43	0.50
Acetone	0.068	5.51	1.52	4.53	1.20	4.34	1.22	2.35	0.66	2.37	0.64	2.07	0.56
Propionaldehyde	0.017	0.37	0.10	0.36	0.09	0.18	0.05	0.14	0.04	0.12	0.03	0.13	0.04
Crotonaldehyde	0.024	0.41	0.14	0.20	0.07	0.12	0.04	0.07	0.02	0.20	0.06	0.16	0.05
Butyr/Isobutyraldehyde	0.033	1.21	0.42	0.62	0.20	1.06	0.37	0.57	0.20	0.83	0.28	0.69	0.23
Benzaldehyde	0.005	1.10	0.55	1.35	0.65	1.37	0.70	1.36	0.69	0.90	0.45	0.94	0.47
Isovaleraldehyde	0.008	0.03	0.01	ND	ND	0.03	0.01	ND	ND	0.05	0.02	0.01	0.01
Valeraldehyde	0.006	0.11	0.05	0.07	0.03	0.07	0.03	0.04	0.02	0.05	0.02	0.08	0.03
Tolualdehydes	0.018	0.25	0.15	0.23	0.13	0.21	0.12	0.21	0.12	0.22	0.12	0.21	0.12
Hexaldehyde	0.008	0.16	0.08	0.12	0.05	0.11	0.05	0.09	0.05	0.08	0.04	0.11	0.05
2,5-Dimethylbenzaldehyde	0.010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

% Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Hartford, CT (HACT) 2003 PAMS Carbonyl Final Data Report

SAMPLE #		37065 R1	37066 D2	37066 R2	37184	37207	37249
CONNECTICUT SAMPLE ID		046	047	047	048	049	050
SAMPLE VOLUME (L)		114.30	112.50	112.50	118.80	115.20	113.40
SAMPLE DATE		12/11/2003	12/11/2003	12/11/2003	12/17/2003	12/23/2003	12/29/2003
SAMPLE TIME		6:00-9:00	6:00-9:00	6:00-9:00	6:00-9:00	6:00-9:00	6:00-9:00
EXTRACTION DATE		12/24/2003	12/24/2003	12/24/2003	12/31/2003	1/6/2004	1/9/2004
ANALYSIS DATE		1/15/2004	1/15/2004	1/15/2004	1/30/2004	2/4/2004	2/5/2004
FILE NAME	MDL	V4AN030	V4AN031	V4AN032	V4A#037	V4BB050	V4BD026
UNITS	ppbv	ppbv µg	ppbv µg	ppbv µg	ppbv µg	ppbv µg	ppbv µg
Formaldehyde	0.117	8.06 1.13	7.95 1.10	7.97 1.10	6.31 0.92	13.99 1.98	9.17 1.28
Acetaldehyde	0.071	2.44 0.50	2.28 0.46	2.26 0.46	2.59 0.56	3.39 0.71	3.39 0.69
Acetone	0.068	2.08 0.57	2.25 0.60	2.25 0.60	13.76 3.89	14.83 4.06	10.74 2.90
Propionaldehyde	0.017	0.14 0.04	0.12 0.03	0.11 0.03	ND ND	0.20 0.05	0.22 0.06
Crotonaldehyde	0.024	0.14 0.05	0.11 0.04	0.12 0.04	0.19 0.07	0.20 0.07	0.13 0.04
Butyr/Isobutyraldehyde	0.033	0.70 0.24	0.65 0.22	0.67 0.22	0.89 0.31	0.48 0.17	0.55 0.19
Benzaldehyde	0.005	0.96 0.48	1.01 0.50	1.04 0.51	0.83 0.43	1.01 0.50	1.27 0.63
Isovaleraldehyde	0.008	0.01 0.005	ND ND	ND ND	ND ND	ND ND	0.02 0.01
Valeraldehyde	0.006	0.05 0.02	0.04 0.02	0.06 0.02	0.10 0.04	0.07 0.03	0.08 0.03
Tolualdehydes	0.018	0.20 0.11	0.23 0.13	0.23 0.13	0.22 0.13	0.28 0.16	0.34 0.19
Hexaldehyde	0.008	0.09 0.04	0.10 0.05	0.09 0.04	0.12 0.06	0.16 0.08	0.18 0.08
2,5-Dimethylbenzaldehyde	0.010	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND

% Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Hartford, CT (HACT) 2003 PAMS Carbonyl Field Blank Final Data Report

Data File ID	V3G%019	V3HH019	V3IV012	V3JM057	V3LD022	V3LQ020	V4BD025
FB ID	33892	34271 FB	35150 FB	35631 FB	36416 FB	39779 FB	37248 FB
Connecticut Sample ID	006	011	019	025	038	043	051
Sample Date	V3G%019	V3HH019	8/14/2003	V3JM057	V3LD022	V3LQ020	V4BD025
Extraction Date	7/7/2003	7/21/2003	9/2/2003	9/15/2003	11/6/2003	12/4/2003	1/9/2004
Date Analyzed	7/31/2003	8/7/2003	9/22/2003	10/15/2003	12/5/2003	12/18/2003	2/5/2004
	<i>Total ug</i>	<i>Total ug</i>	<i>Total ug</i>	<i>Total ug</i>	<i>Total ug</i>	<i>Total ug</i>	<i>Total ug</i>
Formaldehyde	0.04	0.08	0.04	0.05	0.03	0.04	0.03
Acetaldehyde	0.18	0.24	0.10	0.12	0.09	0.09	0.10
Acetone	0.24	0.23	0.20	0.21	0.23	0.23	0.25
Propionaldehyde	0.02	0.01	0.004	0.00	0.01	0.01	0.01
Crotonaldehyde	0.02	ND	0.01	0.01	0.02	0.02	0.01
Butyr/Isobutyraldehyde	0.06	0.08	0.03	0.11	0.19	0.17	0.08
Benzaldehyde	0.02	0.01	0.01	0.01	0.02	0.02	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.01	0.01	0.01	0.01	0.01	0.02
Tolualdehydes	0.05	0.04	0.03	0.03	0.03	0.04	0.02
Hexaldehyde	0.02	0.03	0.02	0.03	0.02	0.03	0.04
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND	ND

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SAMPLE #		31684	34562	34563	34789	34978	35467
SAMPLE DATE		1/15/2003	7/8/2003	7/14/2003	8/1/2003	8/7/2003	8/31/2003
ANALYSIS DATE		2/25/2003	8/15/2003	8/15/2003	9/4/2003	8/19/2003	10/8/2003
FILE NAME	MDL	V3BX033	V3HN021	V3HN022	V3IC027	V3HS007	V3JH008
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	0.48	2.17	3.08	2.47	1.42	1.14
Acetaldehyde	0.013	0.28	0.45	0.53	0.50	0.30	0.31
Acetone	0.012	0.76	0.78	1.01	0.73	0.47	0.78
Propionaldehyde	0.003	0.02	0.06	0.06	0.04	0.02	0.03
Crotonaldehyde	0.004	ND	0.22	0.30	0.34	0.19	0.13
Butyr/Isobutyraldehyde	0.006	0.05	0.05	0.06	0.03	0.02	0.05
Benzaldehyde	0.001	0.01	0.02	0.02	0.02	0.02	0.02
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	0.01
Valeraldehyde	0.001	0.01	0.01	0.02	0.02	0.01	0.01
Tolualdehydes	0.003	0.01	0.03	0.03	0.03	0.02	0.02
Hexaldehyde	0.001	0.01	0.02	0.02	0.02	0.01	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

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SAMPLE #		35752	36030	36171	36332	36478	36637
SAMPLE DATE		9/12/2003	9/24/2003	10/6/2003	10/18/2003	10/30/2003	11/11/2003
ANALYSIS DATE		9/24/2003	11/5/2003	11/4/2003	11/25/2003	12/11/2003	12/16/2003
FILE NAME	MDL	F3IW015	V3KE012	V3KC036	V3KX037	V3LJ021	V3LN027
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	2.29	1.77	0.85	1.52	1.19	0.82
Acetaldehyde	0.013	0.54	0.54	0.42	0.88	0.64	0.59
Acetone	0.012	0.84	0.82	0.83	1.12	0.93	1.12
Propionaldehyde	0.003	0.06	0.05	0.03	0.06	0.06	0.06
Crotonaldehyde	0.004	0.15	0.07	0.03	0.02	0.02	0.01
Butyr/Isobutyraldehyde	0.006	0.07	0.06	0.05	0.12	0.13	0.11
Benzaldehyde	0.001	0.02	0.02	0.03	0.02	0.03	0.01
Isovaleraldehyde	0.001	ND	0.005	0.01	ND	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.02	0.01	0.01	0.01
Tolualdehydes	0.003	0.02	0.02	0.01	0.02	0.02	0.02
Hexaldehyde	0.001	0.02	0.02	0.02	0.02	0.01	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

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SAMPLE #		36915	37030	37199	37320
SAMPLE DATE		11/23/2003	12/5/03	12/17/03	12/29/03
ANALYSIS DATE		12/30/2003	1/12/04	1/30/04	2/7/04
FILE NAME	MDL	V3L\$012	V4AL010	V4A#035	V4BG013
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	0.86	0.71	0.45	0.66
Acetaldehyde	0.013	0.44	0.33	0.21	0.34
Acetone	0.012	0.39	0.57	0.41	0.73
Propionaldehyde	0.003	0.04	0.03	0.02	0.03
Crotonaldehyde	0.004	0.01	0.01	0.01	0.01
Butyr/Isobutyraldehyde	0.006	0.16	0.08	0.08	0.07
Benzaldehyde	0.001	0.01	0.01	0.01	0.01
Isovaleraldehyde	0.001	ND	ND	ND	0.003
Valeraldehyde	0.001	0.01	0.01	0.01	0.01
Tolualdehydes	0.003	0.02	0.01	0.01	0.01
Hexaldehyde	0.001	0.01	0.02	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND

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(µg/cartridge)

Data File ID	Acceptance	V3IB024		V3BZ028	Meets	F3CC018	Meets	V3CL028	Meets
FB ID	Criteria	34704 FB		31675	Criteria	31833 FB	Criteria	32080 FB	Criteria
Sample date	per	7/26/2003		1/21/2003		2/2/2003		2/20/2003	
Date Analyzed	QAPP	9/3/2003		2/27/2003	(Y/N)	3/3/2003	(Y/N)	3/13/2003	(Y/N)
Formaldehyde	<0.3	0.045		0.04	Y	0.04	Y	0.25	Y
Acetaldehyde	<0.4	0.193		0.08	Y	0.07	Y	0.05	Y
Acetone	<0.75	0.266		0.21	Y	0.20	Y	0.20	Y
Propionaldehyde		0.010		0.01		0.01		0.01	
Crotonaldehyde		0.060		ND		0.01		ND	
Butyraldehyde		0.047		0.06		0.13		0.06	
Benzaldehyde		0.017		0.02		0.02		0.02	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.011		0.01		0.01		0.01	
Tolualdehydes		0.040		0.04		0.02		0.06	
Hexaldehyde		0.041		0.03		0.02		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.225	Y	0.165	Y	0.215	Y	0.171	Y

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(µg/cartridge)

Data File ID	V3DC019	Meets	F3ES017	Meets	V3E#045	Meets	F3FE036	Meets
FB ID	32315 FB	Criteria	32779 FB	Criteria	32848 FB	Criteria	33222 FB	Criteria
Sample date	3/10/2003		4/15/2003		4/21/2003		5/9/2003	
Date Analyzed	4/4/2003	(Y/N)	5/20/2003	(Y/N)	5/30/2003	(Y/N)	6/6/2003	(Y/N)
Formaldehyde	0.04	Y	0.07	Y	0.03	Y	0.03	Y
Acetaldehyde	0.08	Y	0.08	Y	0.07	Y	0.10	Y
Acetone	0.23	Y	0.24	Y	0.20	Y	0.21	Y
Propionaldehyde	0.01		0.01		0.01		0.01	
Crotonaldehyde	ND		ND		ND		0.01	
Butyraldehyde	0.11		0.25		0.14		0.28	
Benzaldehyde	0.02		0.02		0.02		0.01	
Isovaleraldehyde	ND		ND		ND		ND	
Valeraldehyde	0.01		0.02		0.01		0.01	
Tolualdehydes	0.03		0.03		0.04		0.03	
Hexaldehyde	0.03		0.03		0.03		0.02	
2,5-Dimethylbenzaldehyde	ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	0.212	Y	0.354	Y	0.228	Y	0.370	Y

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(µg/cartridge)

Data File ID	V3GB022	Meets	F3GZ041	Meets	F3GI046	Meets	F3HM019	Meets
FB ID	33420 FB	Criteria	33817 FB	Criteria	33953 FB	Criteria	34287 FB	Criteria
Sample date	5/27/2003		6/14/2003		6/20/2003		7/8/2003	
Date Analyzed	7/3/2003	(Y/N)	7/27/2003	(Y/N)	7/29/2003	(Y/N)	8/13/2003	(Y/N)
Formaldehyde	0.04	Y	0.15	Y	0.15	Y	0.05	Y
Acetaldehyde	0.11	Y	0.11	Y	0.13	Y	0.07	Y
Acetone	0.18	Y	0.23	Y	0.32	Y	0.20	Y
Propionaldehyde	0.01		0.01		0.02		ND	
Crotonaldehyde	0.02		0.03		0.02		0.03	
Butyraldehyde	0.09		0.26		0.21		0.07	
Benzaldehyde	0.02		0.02		0.02		0.02	
Isovaleraldehyde	ND		ND		ND		ND	
Valeraldehyde	0.01		0.01		0.01		0.01	
Tolualdehydes	0.04		0.04		0.04		0.06	
Hexaldehyde	0.03		0.04		0.03		0.03	
2,5-Dimethylbenzaldehyde	ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	0.209	Y	0.411	Y	0.348	Y	0.206	Y

Houghton, MI (HOMI) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	F3H!015	Meets	V3JM011	Meets	F3IO012	Meets	V3JH007	Meets
FB ID	34730 FB	Criteria	34874 FB	Criteria	35140 FB	Criteria	35462 FB	Criteria
Sample date	7/26/2003		8/1/2003		8/14/2003		8/31/2003	
Date Analyzed	8/28/2003	(Y/N)	10/13/2003	(Y/N)	9/15/2003	(Y/N)	10/8/2003	(Y/N)
Formaldehyde	0.04	Y	0.03	Y	0.02	Y	0.10	Y
Acetaldehyde	0.09	Y	0.06	Y	0.18	Y	0.13	Y
Acetone	0.25	Y	0.20	Y	0.26	Y	0.26	Y
Propionaldehyde	0.01		ND		0.01		ND	
Crotonaldehyde	0.01		ND		0.01		0.01	
Butyraldehyde	0.05		0.08		0.12		0.06	
Benzaldehyde	0.01		0.02		0.02		0.01	
Isovaleraldehyde	ND		ND		ND		ND	
Valeraldehyde	0.01		0.002		0.01		0.004	
Tolualdehydes	0.03		0.04		0.04		0.03	
Hexaldehyde	0.02		0.01		0.03		0.02	
2,5-Dimethylbenzaldehyde	ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	0.130	Y	0.164	Y	0.226	Y	0.137	Y

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SAMPLE #		31455	31572	31748 D1	31748 R1	31749 D2	31749 R2
SAMPLE DATE		1/3/2003	1/15/2003	1/27/2003	1/27/2003	1/27/2003	1/27/2003
ANALYSIS DATE		2/6/2003	2/25/2003	2/28/2003	2/28/2003	2/28/2003	2/28/2003
FILE NAME	MDL	V3BE030	V3BX022	F3BZ023	F3BZ024	F3BZ025	F3BZ026
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.033	3.36	3.20	3.00	2.97	3.03	3.03
Acetaldehyde	0.020	1.36	1.34	1.67	1.65	1.68	1.68
Acetone	0.019	1.85	1.70	1.52	1.52	1.54	1.54
Propionaldehyde	0.005	0.12	0.10	0.13	0.14	0.13	0.13
Crotonaldehyde	0.007	0.01	0.02	0.02	0.02	0.02	0.02
Butyr/Isobutyraldehyde	0.010	0.16	0.09	0.19	0.18	0.20	0.20
Benzaldehyde	0.001	0.04	0.04	0.04	0.04	0.05	0.05
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.002	0.03	0.03	0.03	0.04	0.03	0.03
Tolualdehydes	0.005	0.06	0.04	0.03	0.03	0.03	0.04
Hexaldehyde	0.002	0.03	0.03	0.03	0.04	0.03	0.03
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

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SAMPLE #		31891	32013	32223	32382	32490	32674
SAMPLE DATE		2/8/2003	2/20/2003	3/4/2003	3/16/2003	3/28/2003	4/9/2003
ANALYSIS DATE		3/11/2003	3/13/2003	4/7/2003	4/25/2003	5/1/2003	VOID
FILE NAME	MDL	V3CJ017	F3CL023	F3DG008	F3DX018	F3D\$020	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.033	2.76	1.99	1.44	2.59	3.61	
Acetaldehyde	0.020	1.41	1.05	0.66	1.18	1.45	
Acetone	0.019	1.03	0.78	0.95	1.23	1.06	
Propionaldehyde	0.005	0.09	0.11	0.08	0.07	0.10	
Crotonaldehyde	0.007	0.01	0.003 u	0.03	0.03	0.06	
Butyr/Isobutyraldehyde	0.010	0.10	0.18	0.14	0.22	0.19	
Benzaldehyde	0.001	0.03	0.03	0.02	0.03	0.04	
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	
Valeraldehyde	0.002	0.02	0.02	0.02	0.01	0.05	
Tolualdehydes	0.005	0.04	0.03	0.02	0.02	0.04	
Hexaldehyde	0.002	0.04	0.03	0.02	0.02	0.04	
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	

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SAMPLE #		32836	33100	33278 D1	33278 R1	33280 D2	33280 R2
SAMPLE DATE		4/21/2003	5/3/2003	5/15/2003	5/15/2003	5/15/2003	5/15/2003
ANALYSIS DATE		5/20/2003	6/2/2003	6/25/2003	6/25/2003	6/25/2003	6/25/2003
FILE NAME	MDL	F3ES034	F3FB013	V3FX040	V3FX041	V3FX042	V3FX043
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.033	2.87	3.38	3.03	3.00	2.87	2.90
Acetaldehyde	0.020	2.05	2.18	1.78	1.76	1.76	1.74
Acetone	0.019	1.73	0.85	0.66	0.65	0.72	0.72
Propionaldehyde	0.005	0.15	NR	NR	NR	NR	NR
Crotonaldehyde	0.007	0.18	0.47	0.37	0.38	0.40	0.42
Butyr/Isobutyraldehyde	0.010	0.29	0.26	0.14	0.15	0.14	0.15
Benzaldehyde	0.001	0.07	0.11	0.12	0.15	0.13	0.12
Isovaleraldehyde	0.002	ND	0.02	0.02	0.02	0.02	0.01
Valeraldehyde	0.002	0.07	0.07	0.05	0.05	0.05	0.05
Tolualdehydes	0.005	0.03	0.06	0.07	0.05	0.05	0.04
Hexaldehyde	0.002	0.06	0.04	0.05	0.05	0.05	0.05
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

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SAMPLE #		33433	33585	33935	34171	34476 D1	34478 D2
SAMPLE DATE		5/27/2003	6/8/2003	6/20/2003	7/2/2003	7/14/2003	7/14/2003
ANALYSIS DATE		7/8/2003	7/16/2003	7/28/2003	8/7/2003	VOID	VOID
FILE NAME	MDL	V3GG035	V3GO026	F3G!012	F3HF034	VOID	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.033	1.90	2.32	2.46	2.00		
Acetaldehyde	0.020	2.66	2.72	2.24	1.71		
Acetone	0.019	0.73	0.98	0.87	0.52		
Propionaldehyde	0.005	0.22	0.22	0.08	0.08		
Crotonaldehyde	0.007	0.23	0.48	0.55	0.37		
Butyr/Isobutyraldehyde	0.010	0.11	0.14	0.30	0.08		
Benzaldehyde	0.001	0.10	0.13	0.07	0.03		
Isovaleraldehyde	0.002	0.01	0.01	ND	ND		
Valeraldehyde	0.002	0.04	ND	0.02	0.02		
Tolualdehydes	0.005	0.05	0.07	0.05	0.06		
Hexaldehyde	0.002	0.03	0.02	0.02	0.02		
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND		

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SAMPLE #		34699	34896	35185	35427	35767	35987
SAMPLE DATE		7/26/2003	8/7/2003	8/19/2003	8/31/2003	9/12/2003	9/24/2003
ANALYSIS DATE		9/3/2003	8/20/2003	9/23/2003	10/7/2003	10/20/2003	11/4/2003
FILE NAME	MDL	V3IB021	V3HS027	F3IV020	V3JF021	F3JT011	F3KC023
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.033	4.47	3.01	3.63	1.19	2.34	1.69
Acetaldehyde	0.020	2.17	1.63	2.02	0.87	1.49	1.91
Acetone	0.019	1.07	0.84	1.05	0.38	0.89	0.98
Propionaldehyde	0.005	0.14	0.07	0.12	0.04	0.07	0.06
Crotonaldehyde	0.007	0.91	0.54	0.81	0.16	0.36	0.36
Butyr/Isobutyraldehyde	0.010	0.08	0.09	0.13	0.08	0.07	0.09
Benzaldehyde	0.001	0.07	0.02	0.06	0.04	0.03	0.04
Isovaleraldehyde	0.002	0.02	0.01	0.02	0.01	0.01	0.005
Valeraldehyde	0.002	0.02	0.02	0.02	0.02	0.02	0.02
Tolualdehydes	0.005	0.10	0.02	0.04	0.01	0.01	0.01
Hexaldehyde	0.002	0.03	0.02	0.03	0.02	0.02	0.01
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

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SAMPLE #		36133	36293	36454	36612 D1	36612 R1	36614 D2
SAMPLE DATE		10/6/2003	10/18/2003	10/30/2003	11/11/2003	11/11/2003	11/11/2003
ANALYSIS DATE		11/12/2003	11/25/2003	12/10/2003	12/16/2003	12/16/2003	12/16/2003
FILE NAME	MDL	V3KK011	V3KX025	F3LJ013	F3LN028	F3LN029	F3LN030
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.033	1.06	0.92	0.66	1.83	1.85	1.84
Acetaldehyde	0.020	3.21	2.57	1.94	1.81	1.80	1.84
Acetone	0.019	1.55	1.74	0.94	1.68	1.67	1.69
Propionaldehyde	0.005	0.04	0.04	0.02	0.07	0.07	0.07
Crotonaldehyde	0.007	0.16	0.06	0.09	0.09	0.10	0.09
Butyr/Isobutyraldehyde	0.010	0.11	0.16	0.08	0.14	0.14	0.13
Benzaldehyde	0.001	0.03	0.02	0.02	0.04	0.04	0.04
Isovaleraldehyde	0.002	0.01	ND	ND	0.01	0.01	0.01
Valeraldehyde	0.002	0.02	0.01	0.01	0.02	0.02	0.02
Tolualdehydes	0.005	0.02	0.02	0.01	0.02	0.03	0.02
Hexaldehyde	0.002	0.02	0.01	0.01	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND	ND

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SAMPLE #		36614 R2	36824	36999	37173	37296
SAMPLE DATE		11/11/2003	11/23/2003	12/5/03	12/17/03	12/29/03
ANALYSIS DATE		12/16/2003	12/31/2003	1/11/04	1/29/04	2/8/04
FILE NAME	MDL	F3LN031	F3L\$021	V4AK020	V4A#015	V4BG026
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.033	1.87	0.40	0.26	0.23	0.55
Acetaldehyde	0.020	1.87	1.82	1.68	1.03	3.03
Acetone	0.019	1.73	0.85	1.18	1.02	1.59
Propionaldehyde	0.005	0.08	0.01	0.02	ND	ND
Crotonaldehyde	0.007	0.10	0.04	0.03	0.03	0.03
Butyr/Isobutyraldehyde	0.010	0.13	0.12	0.19	0.14	0.08
Benzaldehyde	0.001	0.04	0.01	0.01	0.01	0.01
Isovaleraldehyde	0.002	0.01	ND	ND	ND	ND
Valeraldehyde	0.002	0.02	0.005	0.01	0.02	0.01
Tolualdehydes	0.005	0.02	0.02	0.02	0.02	0.02
Hexaldehyde	0.002	0.02	0.01	0.01	0.01	0.01
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND

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(µg/cartridge)

Data File ID	Acceptance	V3BX021	Meets	F3CL021	Meets	F3DX031	Meets	F3ES032	Meets
FB ID	Criteria	31571 FB	Criteria	32012 FB	Criteria	32381 FB	Criteria	32835 FB	Criteria
Sample date	per	1/15/2003		2/20/2003		3/16/2003		4/21/2003	
Date Analyzed	QAPP	2/25/2003	(Y/N)	3/13/2003	(Y/N)	4/25/2003	(Y/N)	5/20/2003	(Y/N)
Formaldehyde	<0.3	0.111	Y	0.035	Y	0.034	Y	0.039	Y
Acetaldehyde	<0.4	0.075	Y	0.068	Y	0.030	Y	0.059	Y
Acetone	<0.75	0.224	Y	0.186	Y	0.137	Y	0.160	Y
Propionaldehyde		0.009		0.003		0.005		ND	
Crotonaldehyde		0.009		ND		0.013		0.010	
Butyraldehyde		0.057		0.142		0.175		0.267	
Benzaldehyde		0.013		0.007		0.009		0.009	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.006		0.006		ND		0.003	
Tolualdehydes		0.035		0.018		0.013		0.011	
Hexaldehyde		0.031		0.023		0.012		0.012	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.160	Y	0.197	Y	0.226	Y	0.311	Y

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(µg/cartridge)

Data File ID	Acceptance	V3GG036	Meets	F3GI013	Meets	V3IB020	Meets	V3JF020	Meets
FB ID	Criteria	33432 FB	Criteria	33934 FB	Criteria	34698 FB	Criteria	35426 FB	Criteria
Sample date	per	5/27/2003		6/20/2003		7/26/2003		8/31/2003	
Date Analyzed	QAPP	7/8/2003	(Y/N)	7/28/2003	(Y/N)	9/3/2003	(Y/N)	10/7/2003	(Y/N)
Formaldehyde	<0.3	0.070	Y	0.111	Y	0.059	Y	0.064	Y
Acetaldehyde	<0.4	0.126	Y	0.108	Y	0.115	Y	0.156	Y
Acetone	<0.75	0.145	Y	0.160	Y	0.241	Y	0.279	Y
Propionaldehyde		0.011		0.006		ND		0.015	
Crotonaldehyde		0.016		0.009		0.020		0.010	
Butyraldehyde		0.076		0.159		0.041		0.105	
Benzaldehyde		0.013		0.007		0.014		0.018	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.005		0.006		0.002		0.010	
Tolualdehydes		0.046		0.068		0.028		ND	
Hexaldehyde		0.022		0.014		0.020		0.030	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.186	Y	0.267	Y	0.124	Y	0.187	Y

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(µg/cartridge)

Data File ID	Acceptance	F3KC024	Meets	F3LJ014	Meets	F3L\$010	Meets	V4BG025	Meets
FB ID	Criteria	35986 FB	Criteria	36453 FB	Criteria	36823 FB	Criteria	37295 FB	Criteria
Sample date	per	9/24/2003		10/30/2003		11/23/2003		12/29/03	
Date Analyzed	QAPP	11/4/2003	(Y/N)	12/10/2003	(Y/N)	12/30/2003	(Y/N)	2/8/04	(Y/N)
Formaldehyde	<0.3	0.028	Y	0.057	Y	0.038	Y	0.117	Y
Acetaldehyde	<0.4	0.109	Y	0.146	Y	0.057	Y	0.054	Y
Acetone	<0.75	0.278	Y	0.155	Y	0.103	Y	0.108	Y
Propionaldehyde		0.014		0.015		0.005		ND	
Crotonaldehyde		0.011		0.013		ND		0.019	
Butyraldehyde		0.084		0.114		0.129		0.096	
Benzaldehyde		0.020		0.014		0.015		0.025	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.012		0.010		3.801		ND	
Tolualdehydes		0.038		0.040		0.069		0.033	
Hexaldehyde		0.025		0.020		0.011		0.026	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.203	Y	0.224	Y	4.029	Y	0.199	Y

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SAMPLE #		31502 D1	31503 D2	31692	31824	31964	32271 D1
SAMPLE DATE		1/9/2003	1/9/2003	1/21/2003	2/2/2003	2/14/2003	3/4/2003
ANALYSIS DATE		2/13/2003	VOID	VOID	3/4/2003	3/11/2003	VOID
FILE NAME	MDL	V3BL043	VOID	VOID	V3CC029	F3CJ017	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	1.50			1.38	1.01	
Acetaldehyde	0.014	1.05			0.85	0.66	
Acetone	0.014	5.75			7.63 D	2.47	
Propionaldehyde	0.003	0.11			0.18	0.09	
Crotonaldehyde	0.005	0.01			0.01	0.005	
Butyr/Isobutyraldehyde	0.007	0.19			0.17	0.16	
Benzaldehyde	0.001	0.03			0.03	0.03	
Isovaleraldehyde	0.002	ND			ND	ND	
Valeraldehyde	0.001	0.05			0.04	0.03	
Tolualdehydes	0.004	0.03			0.02	0.03	
Hexaldehyde	0.002	0.06			0.04	0.04	
2,5-Dimethylbenzaldehyde	0.002	ND			ND	ND	

COC had conflicting sample times.

D Diluted value.

u Under detection limit.

ND Not detected.

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SAMPLE #		32273 D2	##32252	32470	32607	32802	32954 D1
SAMPLE DATE		3/4/2003	3/10/2003	3/22/2003	4/3/2003	4/15/2003	4/27/2003
ANALYSIS DATE		4/3/2003	4/10/2003	4/17/2003	5/10/2003	5/23/2003	5/22/2003
FILE NAME	MDL	V3DC015	F3DJ013	F3DP049	F3EI040	V3EW008	V3EU020
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	1.72	2.24	1.87	2.45	3.84	2.23
Acetaldehyde	0.014	1.00	0.84	0.87	1.41	1.92	0.95
Acetone	0.014	3.39	1.45	5.44	5.91	3.05	1.43
Propionaldehyde	0.003	0.13	0.16	0.29	0.25	0.36	0.16
Crotonaldehyde	0.005	0.04	0.03	0.03	0.05	0.05	0.03
Butyr/Isobutyraldehyde	0.007	0.19	0.15	0.36	0.26	0.26	0.17
Benzaldehyde	0.001	0.05	0.02	0.02	0.04	0.05	0.03
Isovaleraldehyde	0.002	ND	ND	ND	ND	0.02	0.01
Valeraldehyde	0.001	0.07	0.05	0.04	0.05	0.07	0.05
Tolualdehydes	0.004	0.03	0.03	0.03	0.04	0.05	0.03
Hexaldehyde	0.002	0.06	0.04	0.03	0.06	0.08	0.05
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

COC had conflicting sample times.

D Diluted value.

u Under detection limit.

ND Not detected.

Kingsport, TN (KITN) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32954 R1	32956 D2	32956 R2	33213	33372	33479
SAMPLE DATE		4/27/2003	4/27/2003	4/27/2003	5/9/2003	5/21/2003	6/2/2003
ANALYSIS DATE		5/22/2003	5/22/2003	5/22/2003	6/6/2003	6/30/2003	7/16/2003
FILE NAME	MDL	V3EU021	V3EU022	V3EU023	F3FE032	V3F\$019	V3GO020
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	2.25	2.28	2.25	3.44	1.67	3.61
Acetaldehyde	0.014	0.95	0.96	0.96	1.68	0.91	1.07
Acetone	0.014	1.44	1.48	1.47	6.68	0.47	4.12
Propionaldehyde	0.003	0.16	0.17	0.17	0.33	0.25	0.20
Crotonaldehyde	0.005	0.03	0.03	0.03	0.14	0.11	0.12
Butyr/Isobutyraldehyde	0.007	0.17	0.17	0.17	0.36	0.26	0.13
Benzaldehyde	0.001	0.03	0.03	0.03	0.06	0.04	0.05
Isovaleraldehyde	0.002	0.01	0.01	0.01	ND	0.01	0.01
Valeraldehyde	0.001	0.05	0.05	0.05	0.06	0.03	0.04
Tolualdehydes	0.004	0.03	0.03	0.04	0.03	0.02	0.04
Hexaldehyde	0.002	0.05	0.06	0.07	0.07	0.03	0.04
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

COC had conflicting sample times.

D Diluted value.

u Under detection limit.

ND Not detected.

Kingsport, TN (KITN) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		33760	34707	34787	35075	35322 D1	35322 R1
SAMPLE DATE		6/14/2003	7/25/2003	8/1/2003	8/13/2003	8/25/2003	8/25/2003
ANALYSIS DATE		VOID	8/28/2003	9/4/2003	9/9/2003	9/26/2003	9/26/2003
FILE NAME	MDL	VOID	F3H~027	V3IC018	F3II017	F3IY034	F3IY035
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023		2.61	2.55	2.54	4.13	4.06
Acetaldehyde	0.014		1.09	0.99	0.89	1.21	1.22
Acetone	0.014		0.57	0.46	0.53	0.72	0.73
Propionaldehyde	0.003		0.27	0.21	0.19	0.37	0.37
Crotonaldehyde	0.005		0.18	0.22	0.22	0.29	0.29
Butyr/Isobutyraldehyde	0.007		0.14	0.14	0.13	0.22	0.22
Benzaldehyde	0.001		0.04	0.04	0.03	0.05	0.05
Isovaleraldehyde	0.002		ND	ND	ND	ND	ND
Valeraldehyde	0.001		0.09	0.08	0.06	0.07	0.08
Tolualdehydes	0.004		0.03	0.07	0.03	0.10	0.10
Hexaldehyde	0.002		0.06	0.05	0.04	0.06	0.06
2,5-Dimethylbenzaldehyde	0.002		ND	ND	ND	ND	ND

COC had conflicting sample times.

D Diluted value.

u Under detection limit.

ND Not detected.

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SAMPLE #		35324 D2	35324 R2	35588	35885	36054	36194
SAMPLE DATE		8/25/2003	8/25/2003	9/6/2003	9/18/2003	9/30/2003	10/12/2003
ANALYSIS DATE		9/26/2003	9/26/2003	10/8/2003	10/21/2003	11/5/2003	11/10/2003
FILE NAME	MDL	F3IY036	F3IY037	V3JH012	F3JT022	V3KE010	V3KJ009
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	4.14	4.17	2.50	2.64	1.60	1.81
Acetaldehyde	0.014	1.22	1.24	0.89	0.92	0.72	1.33
Acetone	0.014	0.73	0.72	0.62	0.74	4.43	1.87
Propionaldehyde	0.003	0.37	0.37	0.19	0.17	0.15	0.25
Crotonaldehyde	0.005	0.29	0.30	0.22	0.18	0.05	0.07
Butyr/Isobutyraldehyde	0.007	0.22	0.24	0.10	0.11	0.09	0.20
Benzaldehyde	0.001	0.05	0.07	0.03	0.03	0.02	0.03
Isovaleraldehyde	0.002	ND	ND	ND	ND	0.01	0.02
Valeraldehyde	0.001	0.06	0.08	0.04	0.03	0.02	0.04
Tolualdehydes	0.004	0.10	0.09	0.04	0.05	0.03	0.03
Hexaldehyde	0.002	0.06	0.06	0.04	0.03	0.03	0.06
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

COC had conflicting sample times.

D Diluted value.

u Under detection limit.

ND Not detected.

Kingsport, TN (KITN) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36375 D1	36375 R1	36377 D2	36377 R2	36587	36723 D1
SAMPLE DATE		10/24/2003	10/24/2003	10/24/2003	10/24/2003	11/5/2003	11/17/2003
ANALYSIS DATE		11/18/2003	11/18/2003	11/18/2003	11/18/2003	12/15/2003	12/29/2003
FILE NAME	MDL	V3KQ046	V3KQ047	V3KQ048	V3KQ049	V3LN013	F3L!024
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	1.95	1.97	1.98	1.98	1.95	1.07
Acetaldehyde	0.014	1.22	1.22	1.20	1.20	1.27	0.61
Acetone	0.014	7.36 D	7.38 D	7.33 D	7.32 D	0.50	1.47
Propionaldehyde	0.003	0.17	0.17	0.18	0.17	0.23	0.09
Crotonaldehyde	0.005	0.04	0.04	0.04	0.04	0.06	0.03
Butyr/Isobutyraldehyde	0.007	0.20	0.20	0.20	0.20	0.27	0.10
Benzaldehyde	0.001	0.04	0.04	0.04	0.04	0.05	0.02
Isovaleraldehyde	0.002	0.01	0.01	0.01	0.01	0.02	ND
Valeraldehyde	0.001	0.04	0.03	0.04	0.04	0.05	0.02
Tolualdehydes	0.004	0.04	0.03	0.03	0.03	0.04	0.03
Hexaldehyde	0.002	0.04	0.04	0.04	0.04	0.06	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

COC had conflicting sample times.

D Diluted value.

u Under detection limit.

ND Not detected.

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SAMPLE #		36723 R1	36725 D2	36725 R2	36911 D1	36911 R1	36913 D2
SAMPLE DATE		11/17/2003	11/17/2003	11/17/2003	11/29/2003	11/29/2003	11/29/2003
ANALYSIS DATE		12/29/2003	12/29/2003	12/29/2003	1/1/2004	1/1/2004	1/1/2004
FILE NAME	MDL	F3L!025	F3L!026	F3L!027	F3L%034	F3L%035	F3L%036
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	1.07	1.06	1.12	1.31	1.30	1.33
Acetaldehyde	0.014	0.61	0.61	0.65	0.58	0.58	0.63
Acetone	0.014	1.48	1.43	1.52	2.78	2.75	2.82
Propionaldehyde	0.003	0.09	0.09	0.09	0.11	0.11	0.12
Crotonaldehyde	0.005	0.04	0.04	0.05	0.03	0.03	0.03
Butyr/Isobutyraldehyde	0.007	0.10	0.10	0.11	0.22	0.22	0.23
Benzaldehyde	0.001	0.02	0.03	0.03	0.02	0.02	0.02
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.02	0.02	0.02	0.01	0.01	0.02
Tolualdehydes	0.004	0.03	0.04	0.04	0.02	0.02	0.02
Hexaldehyde	0.002	0.02	0.02	0.02	0.01	0.01	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

COC had conflicting sample times.

D Diluted value.

u Under detection limit.

ND Not detected.

Kingsport, TN (KITN) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36913 R2	37128	37242
SAMPLE DATE		11/29/2003	12/11/03	12/22/03
ANALYSIS DATE		1/1/2004	1/23/04	2/4/04
FILE NAME	MDL	F3L%037	V4AV036	V4BB047
UNITS	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	1.33	0.67	1.95
Acetaldehyde	0.014	0.62	0.36	0.90
Acetone	0.014	2.78	1.05	2.46
Propionaldehyde	0.003	0.12	0.08	0.08
Crotonaldehyde	0.005	0.03	0.02	0.06
Butyr/Isobutyraldehyde	0.007	0.23	0.11	0.13
Benzaldehyde	0.001	0.02	0.01	0.04
Isovaleraldehyde	0.002	ND	0.005	0.01
Valeraldehyde	0.001	0.01	0.01	0.02
Tolualdehydes	0.004	0.02	0.01	0.05
Hexaldehyde	0.002	0.01	0.01	0.03
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND

COC had conflicting sample times.

D Diluted value.

u Under detection limit.

ND Not detected.

Kingsport, TN (KITN) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	VOID 31693 FB 1/21/2003 VOID	Meets Criteria (Y/N)	V3CC034 31823 FB 2/2/2003 3/4/2003	Meets Criteria (Y/N)	F3DJ014 32251 FB 3/10/2003 4/10/2003	Meets Criteria (Y/N)	V3EW011 32801 FB 4/15/2003 5/23/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3		Y	0.016	Y	0.270	Y	0.047	Y
Acetaldehyde	<0.4		Y	0.060	Y	0.099	Y	0.056	Y
Acetone	<0.75		Y	0.140	Y	0.200	Y	0.129	Y
Propionaldehyde				ND		0.008		ND	
Crotonaldehyde				ND		ND		ND	
Butyraldehyde				0.081		0.088		0.100	
Benzaldehyde				0.015		0.013		0.015	
Isovaleraldehyde				ND		ND		ND	
Valeraldehyde				0.003		0.004		ND	
Tolualdehydes				0.013		0.024		0.036	
Hexaldehyde				0.061		0.025		0.013	
2,5-Dimethylbenzaldehyde				ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.000	Y	0.173	Y	0.160	Y	0.163	Y

Kingsport, TN (KITN) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance Criteria per QAPP	F3FE033 33212 FB 5/9/2003 6/6/2003	Meets Criteria (Y/N)	VOID 33759 FB 6/14/2003 VOID	Meets Criteria (Y/N)	VOID 35074 FB 8/13/2003 VOID	Meets Criteria (Y/N)	V3JH011 35587 FB 9/6/2003 10/8/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.030	Y					0.045	Y
Acetaldehyde	<0.4	0.040	Y					0.195	Y
Acetone	<0.75	0.145	Y					0.323	Y
Propionaldehyde		0.003						0.019	
Crotonaldehyde		0.034						0.036	
Butyraldehyde		0.230						0.093	
Benzaldehyde		0.009						0.013	
Isovaleraldehyde		ND						0.000	
Valeraldehyde		0.008						0.024	
Tolualdehydes		0.038						0.039	
Hexaldehyde		0.020						0.044	
2,5-Dimethylbenzaldehyde		ND						0.000	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.340	Y	0.000		0.000		0.267	Y

Kingsport, TN (KITN) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3KJ010	Meets	V4AV037	Meets
FB ID	Criteria	36193 FB	Criteria	37127 FB	Criteria
Sample date	per	10/12/2003		12/11/03	
Date Analyzed	QAPP	11/10/2003	(Y/N)	1/23/04	(Y/N)
Formaldehyde	<0.3	0.046	Y	0.035	Y
Acetaldehyde	<0.4	0.215	Y	0.096	Y
Acetone	<0.75	0.270	Y	0.106	Y
Propionaldehyde		0.017		0.012	
Crotonaldehyde		0.016		0.015	
Butyraldehyde		0.140		0.103	
Benzaldehyde		0.010		0.025	
Isovaleraldehyde		ND		ND	
Valeraldehyde		0.017		0.016	
Tolualdehydes		0.041		0.065	
Hexaldehyde		0.031		0.024	
2,5-Dimethylbenzaldehyde		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.271	Y	0.258	Y

Loudon, TN (LDTN) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36521	36682	36884	37092 D1	37092 R1	37091 D2
SAMPLE DATE		11/5/2003	11/17/2003	11/29/2003	12/11/03	12/11/03	12/11/03
ANALYSIS DATE		12/12/2003	12/28/2003	1/8/2004	2/9/04	2/9/04	2/9/04
FILE NAME	MDL	F3LK018	F3LI017	F4AH009	V4BI004	V4BI005	V4BI006
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	33.36 D	40.00 D	13.86 D	11.81 D	12.08 D	11.12 D
Acetaldehyde	0.013	3.27	4.06	2.12	1.27	1.25	1.27
Acetone	0.012	0.74	1.72	10.32 D	7.51 D	7.70 D	8.55 D
Propionaldehyde	0.003	0.62	0.53	0.16	0.07	0.07	0.10
Crotonaldehyde	0.004	0.19	0.10	0.04	0.03	0.03	0.03
Butyr/Isobutyraldehyde	0.006	0.79	1.76	5.06 D	4.46	4.48 D	4.74
Benzaldehyde	0.001	0.49	0.47	0.13	0.10	0.16	0.18
Isovaleraldehyde	0.001	0.16	0.06	0.13	ND	ND	ND
Valeraldehyde	0.001	1.45	1.18	0.32	0.24	0.25	0.24
Tolualdehydes	0.003	0.65	1.04	0.58	0.30	0.32	0.28
Hexaldehyde	0.001	3.82 D	4.45 D	1.31	1.13	1.14	1.14
2,5-Dimethylbenzaldehyde	0.002	0.07	0.07	0.06	0.03	0.03	0.02

COC had conflicting sample times.

D Diluted value.

u Under detection limit.

ND Not detected.

Loudon, TN (LDTN) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		37091 R2	37220
SAMPLE DATE		12/11/03	12/23/03
ANALYSIS DATE		2/9/04	2/4/04
FILE NAME	MDL	V4BI007	V4BB057
UNITS	ppbv	ppbv	ppbv
Formaldehyde	0.021	10.99 D	17.73 D
Acetaldehyde	0.013	1.27	3.49
Acetone	0.012	8.54 D	4.08
Propionaldehyde	0.003	0.08	0.22
Crotonaldehyde	0.004	0.03	0.05
Butyr/Isobutyraldehyde	0.006	4.78	3.27
Benzaldehyde	0.001	0.15	0.19
Isovaleraldehyde	0.001	ND	0.35
Valeraldehyde	0.001	0.25	0.61
Tolualdehydes	0.003	0.28	0.64
Hexaldehyde	0.001	1.15	2.70
2,5-Dimethylbenzaldehyde	0.002	0.03	0.04

COC had conflicting sample times.

D Diluted value.

u Under detection limit.

ND Not detected.

Tampa (Lewis), FL (LEFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31420	31496	31669	31670 D1	31670 R1	*31671 D2
SAMPLE DATE		1/3/2003	1/9/2003	1/15/2003	1/21/2003	1/21/2003	1/21/2003
ANALYSIS DATE		2/11/2003	2/11/2003	2/13/2003	2/13/2003	2/13/2003	3/18/2003
FILE NAME	MDL	V3BJ050	V3BJ051	V3BL036	V3BL045	V3BL046	V3CQ005
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.74	1.51	1.53	1.89	1.89	1.87
Acetaldehyde	0.016	0.90	1.02	1.03	1.23	1.24	1.21
Acetone	0.015	0.61	0.89	1.74	0.65	0.64	0.61
Propionaldehyde	0.004	0.05	0.09	0.11	0.17	0.18	0.19
Crotonaldehyde	0.005	0.004	u	0.01	0.01	0.01	0.01
Butyr/Isobutyraldehyde	0.007	0.07	0.10	0.12	0.11	0.11	0.11
Benzaldehyde	0.001	0.01	0.02	0.03	0.04	0.03	0.03
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.02	0.03	0.02	0.02	0.03
Tolualdehydes	0.004	0.02	0.03	0.04	0.04	0.04	0.04
Hexaldehyde	0.002	0.03	0.03	0.05	0.03	0.03	0.03
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Tampa (Lewis), FL (LEFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		*31671 R2	31768	31826	31858	31956	32045
SAMPLE DATE		1/21/2003	1/27/2003	2/2/2003	2/8/2003	2/14/2003	2/20/2003
ANALYSIS DATE		3/18/2003	2/27/2003	3/4/2003	3/3/2003	3/11/2003	3/13/2003
FILE NAME	MDL	V3CQ006	V3BZ033	F3CC024	F3CC012	F3CJ027	V3CL022
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.87	1.84	1.90	1.39	3.04	2.67
Acetaldehyde	0.016	1.21	1.19	1.34	0.93	1.71	1.43
Acetone	0.015	0.60	1.54	1.77	0.94	1.29	0.72
Propionaldehyde	0.004	0.19	0.08	0.14	0.09	0.16	0.14
Crotonaldehyde	0.005	0.01	0.01	0.08	0.05	0.07	0.01
Butyr/Isobutyraldehyde	0.007	0.12	0.10	0.21	0.15	0.24	0.10
Benzaldehyde	0.001	0.03	0.02	0.02	0.02	0.06	0.04
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.03	0.02	0.03	0.04	0.04	0.02
Tolualdehydes	0.004	0.04	0.03	0.03	0.02	0.04	0.03
Hexaldehyde	0.002	0.05	0.02	0.04	0.02	0.05	0.04
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Tampa (Lewis), FL (LEFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32149 D1	32149 R1	32150 D2	32150 R2	*32199	32361
SAMPLE DATE		2/26/2003	2/26/2003	2/26/2003	2/26/2003	3/4/2003	3/16/2003
ANALYSIS DATE		4/1/2003	4/1/2003	4/1/2003	4/2/2003	4/7/2003	VOID
FILE NAME	MDL	V3C%049	V3C%050	V3C%051	V3C%052	F3DG015	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.93	1.94	2.26	2.26	0.13	
Acetaldehyde	0.016	0.94	0.94	1.07	1.07	0.17	
Acetone	0.015	0.45	0.45	0.40	0.39	0.12	
Propionaldehyde	0.004	0.10	0.10	0.11	0.11	0.01	
Crotonaldehyde	0.005	0.01	0.005 u	0.004 u	0.004 u	0.005 u	
Butyr/Isobutyraldehyde	0.007	0.10	0.10	0.09	0.09	0.11	
Benzaldehyde	0.001	0.04	0.05	0.05	0.04	0.004	
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	
Valeraldehyde	0.001	0.02	0.02	0.02	0.02	0.004	
Tolualdehydes	0.004	0.02	0.02	0.03	0.02	0.01	
Hexaldehyde	0.002	0.02	0.02	0.02	0.01	0.01	
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Tampa (Lewis), FL (LEFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32474	32513 D1	32513 R1	32514 D2	32514 R2	32618
SAMPLE DATE		3/22/2003	3/28/2003	3/28/2003	3/28/2003	3/28/2003	4/3/2003
ANALYSIS DATE		4/18/2003	5/7/2003	5/7/2003	5/7/2003	5/7/2003	5/7/2003
FILE NAME	MDL	F3DP057	F3EF047	F3EF048	F3EF045	F3EF046	F3EF034
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	2.16	1.64	1.65	1.50	1.50	1.88
Acetaldehyde	0.016	0.98	0.65	0.66	0.70	0.68	0.89
Acetone	0.015	0.63	0.58	0.58	0.63	0.62	0.72
Propionaldehyde	0.004	0.21	0.08	0.08	0.08	0.08	0.11
Crotonaldehyde	0.005	0.20	0.16	0.16	0.16	0.17	0.16
Butyr/Isobutyraldehyde	0.007	0.24	0.14	0.13	0.16	0.17	0.21
Benzaldehyde	0.001	0.09	0.03	0.03	0.03	0.04	0.04
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	0.01
Valeraldehyde	0.001	0.07	0.02	0.02	0.02	0.03	0.03
Tolualdehydes	0.004	0.03	0.03	0.03	0.02	0.03	0.04
Hexaldehyde	0.002	0.04	0.03	0.03	0.03	0.03	0.05
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Tampa (Lewis), FL (LEFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32705	32774	32853	32944 D1	32944 R1	32945 D2
SAMPLE DATE		4/9/2003	4/15/2003	4/21/2003	4/27/2003	4/27/2003	4/27/2003
ANALYSIS DATE		5/19/2003	5/16/2003	VOID	5/22/2003	5/22/2003	5/22/2003
FILE NAME	MDL	F3ES010	V3EO027	VOID	V3EU030	V3EU031	V3EU032
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.40	2.67		2.79	2.78	2.74
Acetaldehyde	0.016	0.56	1.55		0.97	0.98	0.97
Acetone	0.015	0.44	0.68		0.71	0.70	0.78
Propionaldehyde	0.004	0.09	0.24		0.17	0.17	0.17
Crotonaldehyde	0.005	0.11	0.08		0.27	0.27	0.26
Butyr/Isobutyraldehyde	0.007	0.15	0.22		0.14	0.14	0.15
Benzaldehyde	0.001	0.04	0.07		0.07	0.06	0.06
Isovaleraldehyde	0.002	ND	0.03		0.01	0.01	0.01
Valeraldehyde	0.001	0.03	0.08		0.03	0.03	0.03
Tolualdehydes	0.004	0.03	0.07		0.04	0.04	0.04
Hexaldehyde	0.002	0.03	0.20		0.04	0.04	0.04
2,5-Dimethylbenzaldehyde	0.002	ND	ND		ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Tampa (Lewis), FL (LEFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32945 R2	33072	33193	33257 D1	33257 R1	33258 D2
SAMPLE DATE		4/27/2003	5/3/2003	5/9/2003	5/15/2003	5/15/2003	5/15/2003
ANALYSIS DATE		5/22/2003	6/3/2003	6/4/2003	6/6/2003	6/6/2003	6/6/2003
FILE NAME	MDL	V3EU033	F3FB027	F3FC023	V3FE026	V3FE027	V3FE028
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	2.75	2.28	2.56	2.87	2.87	2.77
Acetaldehyde	0.016	0.97	0.67	0.85	0.98	0.98	0.93
Acetone	0.015	0.77	0.41	0.31	0.51	0.50	0.51
Propionaldehyde	0.004	0.18	0.11	0.12	0.21	0.21	0.21
Crotonaldehyde	0.005	0.26	0.28	0.32	0.34	0.35	0.33
Butyr/Isobutyraldehyde	0.007	0.15	0.18	0.16	0.13	0.14	0.13
Benzaldehyde	0.001	0.07	0.03	0.04	0.09	0.08	0.08
Isovaleraldehyde	0.002	0.01	0.01	0.01	0.02	0.02	0.02
Valeraldehyde	0.001	0.03	0.03	0.03	0.04	0.04	0.04
Tolualdehydes	0.004	0.04	0.02	0.03	0.04	0.04	0.04
Hexaldehyde	0.002	0.04	0.04	0.03	0.05	0.04	0.04
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Tampa (Lewis), FL (LEFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		33258 R2	33369	33401	33482	*33569	33683
SAMPLE DATE		5/15/2003	5/21/2003	5/27/2003	6/2/2003	6/8/2003	6/14/2003
ANALYSIS DATE		6/6/2003	6/30/2003	7/2/2003	7/9/2003	7/25/2003	7/27/2003
FILE NAME	MDL	V3FE029	V3F\$013	V3GB010	V3GG057	F3GX027	F3GZ035
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	2.75	2.46	2.51	2.82	1.96	3.25
Acetaldehyde	0.016	0.94	0.70	0.80	0.80	0.54	0.67
Acetone	0.015	0.50	0.43	0.45	0.37	0.24	0.31
Propionaldehyde	0.004	0.20	0.14	0.17	0.16	0.09	0.09
Crotonaldehyde	0.005	0.34	0.23	0.28	0.25	0.34	0.45
Butyr/Isobutyraldehyde	0.007	0.13	0.10	0.10	0.12	0.18	0.15
Benzaldehyde	0.001	0.09	0.11	0.08	0.14	0.09	0.07
Isovaleraldehyde	0.002	0.02	0.01	0.02	0.02	0.01	ND
Valeraldehyde	0.001	0.04	0.03	0.03	0.03	0.03	0.02
Tolualdehydes	0.004	0.03	0.03	0.05	0.02	0.02	0.05
Hexaldehyde	0.002	0.04	0.04	0.05	0.04	0.03	0.04
2,5-Dimethylbenzaldehyde	0.002	ND	0.01	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Tampa (Lewis), FL (LEFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		33848	33999 D1	33999 R1	34000 D2	34000 R2	34202
SAMPLE DATE		6/20/2003	6/26/2003	6/26/2003	6/26/2003	6/26/2003	7/2/2003
ANALYSIS DATE		7/29/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/7/2003
FILE NAME	MDL	F3G!041	F3HD039	F3HD040	F3HD041	F3HD042	F3HF053
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.22	2.80	2.82	2.76	2.77	2.10
Acetaldehyde	0.016	0.42	0.71	0.72	0.76	0.76	0.61
Acetone	0.015	0.25	0.36	0.36	0.44	0.44	0.25
Propionaldehyde	0.004	0.06	0.10	0.10	0.10	0.10	0.10
Crotonaldehyde	0.005	0.23	0.26	0.26	0.28	0.29	0.33
Butyr/Isobutyraldehyde	0.007	0.10	0.06	0.06	0.07	0.07	0.08
Benzaldehyde	0.001	0.03	0.02	0.03	0.03	0.03	0.03
Isovaleraldehyde	0.002	0.01	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.02	0.02	0.02	0.02	0.02	0.02
Tolualdehydes	0.004	0.02	0.04	0.04	0.04	0.04	0.04
Hexaldehyde	0.002	0.03	0.03	0.04	0.04	0.04	0.04
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Tampa (Lewis), FL (LEFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		34294	34321	34519	34672	34763	34881
SAMPLE DATE		7/8/2003	7/14/2003	7/20/2003	7/26/2003	8/1/2003	8/7/2003
ANALYSIS DATE		8/13/2003	8/18/2003	8/26/2003	8/28/2003	9/4/2003	9/8/2003
FILE NAME	MDL	F3HM020	V3HR016	F3HY025	F3H1009	V3IC026	V3IH011
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	2.70	2.60	2.02	1.97	3.11	2.38
Acetaldehyde	0.016	0.58	0.60	0.49	0.52	0.80	0.81
Acetone	0.015	0.27	0.26	0.32	0.31	0.32	0.45
Propionaldehyde	0.004	0.08	0.08	0.07	0.08	0.12	0.13
Crotonaldehyde	0.005	0.39	0.43	0.47	0.44	0.47	0.32
Butyr/Isobutyraldehyde	0.007	0.07	0.06	0.08	0.07	0.08	0.06
Benzaldehyde	0.001	0.02	0.03	0.02	0.02	0.03	0.04
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.02	0.02	0.02	0.01	0.02	0.03
Tolualdehydes	0.004	0.05	0.02	0.03	0.03	0.04	0.03
Hexaldehyde	0.002	0.04	0.03	0.03	0.03	0.03	0.06
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Tampa (Lewis), FL (LEFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		35087	35242	35344	35412	35567	35675 D1
SAMPLE DATE		8/13/2003	8/19/2003	8/25/2003	8/31/2003	9/6/2003	9/12/2003
ANALYSIS DATE		9/9/2003	9/16/2003	9/26/2003	10/6/2003	10/16/2003	10/16/2003
FILE NAME	MDL	F3II010	F3IO020	F3IY019	V3JF014	V3JO033	V3JO048
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.92	1.13	1.79	1.91	1.39	2.66
Acetaldehyde	0.016	0.55	0.43	0.55	0.64	0.46	0.88
Acetone	0.015	0.20	0.21	0.23	0.36	0.26	0.50
Propionaldehyde	0.004	0.05	0.06	0.06	0.07	0.06	0.11
Crotonaldehyde	0.005	0.32	0.21	0.30	0.31	0.19	0.20
Butyr/Isobutyraldehyde	0.007	0.09	0.08	0.07	0.09	0.10	0.11
Benzaldehyde	0.001	0.03	0.03	0.03	0.06	0.04	0.04
Isovaleraldehyde	0.002	ND	ND	ND	0.01	ND	0.02
Valeraldehyde	0.001	0.01	0.01	0.01	0.02	0.02	0.03
Tolualdehydes	0.004	0.02	0.03	0.02	0.03	0.02	0.05
Hexaldehyde	0.002	0.03	0.03	0.02	0.04	0.03	0.05
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Tampa (Lewis), FL (LEFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		35675 R1	35676 D2	35676 R2	35873	35978	36023
SAMPLE DATE		9/12/2003	9/12/2003	9/12/2003	9/18/2003	9/24/2003	9/30/2003
ANALYSIS DATE		10/16/2003	10/16/2003	10/16/2003	10/21/2003	10/29/2003	11/5/2003
FILE NAME	MDL	V3JO049	V3JO050	V3JO051	F3JT019	V3J#019	V3KE018
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	2.81	2.85	2.84	1.95	2.86	1.15
Acetaldehyde	0.016	0.88	0.87	0.87	0.98	0.79	0.59
Acetone	0.015	0.53	0.48	0.51	0.63	0.24	0.25
Propionaldehyde	0.004	0.12	0.09	0.12	0.14	0.09	0.09
Crotonaldehyde	0.005	0.19	0.23	0.22	0.11	0.26	0.13
Butyr/Isobutyraldehyde	0.007	0.11	0.11	0.14	0.09	0.07	0.05
Benzaldehyde	0.001	0.03	0.04	0.04	0.02	0.03	0.02
Isovaleraldehyde	0.002	0.02	0.01	0.02	ND	0.02	0.01
Valeraldehyde	0.001	0.03	0.03	0.03	0.03	0.02	0.02
Tolualdehydes	0.004	0.05	0.05	0.05	0.05	0.04	0.03
Hexaldehyde	0.002	0.05	0.05	0.05	0.05	0.04	0.03
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

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SAMPLE #		36181	36182	36281	36380 D1	36380 R1	36381 D2
SAMPLE DATE		10/6/2003	10/12/2003	10/18/2003	10/24/2003	10/24/2003	10/24/2003
ANALYSIS DATE		11/11/2003	11/11/2003	11/25/2003	11/18/2003	11/18/2003	11/18/2003
FILE NAME	MDL	V3KJ016	V3KJ017	V3KX034	V3KQ050	V3KQ051	V3KQ052
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.93	1.23	1.29	2.68	2.71	2.67
Acetaldehyde	0.016	0.74	0.54	0.72	1.01	1.02	1.00
Acetone	0.015	0.37	0.23	0.65	1.27	1.28	1.17
Propionaldehyde	0.004	0.094	0.07	0.09	0.11	0.12	0.12
Crotonaldehyde	0.005	0.18	0.14	0.07	0.28	0.29	0.28
Butyr/Isobutyraldehyde	0.007	0.09	0.08	0.12	0.15	0.15	0.15
Benzaldehyde	0.001	0.03	0.02	0.03	0.06	0.05	0.06
Isovaleraldehyde	0.002	0.01	0.01	0.01	0.02	0.02	0.02
Valeraldehyde	0.001	0.02	0.02	0.03	0.04	0.04	0.05
Tolualdehydes	0.004	0.04	0.02	0.03	0.05	0.07	0.06
Hexaldehyde	0.002	0.04	0.03	0.03	0.07	0.07	0.06
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

Tampa (Lewis), FL (LEFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36381 R2	36407	36530	36641	36732	36858
SAMPLE DATE		10/24/2003	10/30/2003	11/5/2003	11/11/2003	11/17/2003	11/23/2003
ANALYSIS DATE		11/18/2003	12/5/2003	12/12/2003	12/16/2003	12/28/2003	12/30/2003
FILE NAME	MDL	V3KQ053	V3LD011	F3LK019	V3LN026	F3LI013	V3LS014
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	2.60	1.06	1.34	1.04	1.61	1.33
Acetaldehyde	0.016	1.04	0.64	0.42	0.54	0.71	0.68
Acetone	0.015	1.16	0.46	0.25	0.34	0.40	0.56
Propionaldehyde	0.004	0.11	0.08	0.06	0.07	0.10	0.10
Crotonaldehyde	0.005	0.29	0.06	0.23	0.07	0.13	0.13
Butyr/Isobutyraldehyde	0.007	0.15	0.15	0.07	0.18	0.11	0.28
Benzaldehyde	0.001	0.05	0.03	0.05	0.02	0.03	0.03
Isovaleraldehyde	0.002	0.02	ND	ND	0.01	ND	0.01
Valeraldehyde	0.001	0.04	0.02	0.07	0.02	0.03	0.03
Tolualdehydes	0.004	0.07	0.03	0.11	0.03	0.04	0.02
Hexaldehyde	0.002	0.07	0.03	0.03	0.02	0.06	0.05
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	0.005	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

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SAMPLE #		36909	36983	37062	37204	37323	37324
SAMPLE DATE		11/29/2003	12/5/2003	12/11/2003	12/17/2003	12/23/2003	12/29/2003
ANALYSIS DATE		1/8/2004	1/12/2004	1/23/2004	1/30/2004	2/4/2004	2/7/2004
FILE NAME	MDL	F4AH011	V4AL011	V4AV044	V4A#033	V4BB053	V4BG016
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.05	0.95	1.07	0.84	1.36	1.11
Acetaldehyde	0.016	0.84	0.51	0.61	0.55	0.90	0.75
Acetone	0.015	1.19	0.69	1.32	0.94	1.28	0.93
Propionaldehyde	0.004	0.08	0.06	0.07	0.06	0.11	0.10
Crotonaldehyde	0.005	0.06	0.05	0.03	0.03	0.06	0.05
Butyr/Isobutyraldehyde	0.007	0.17	0.16	0.14	0.16	0.14	0.12
Benzaldehyde	0.001	0.02	0.02	0.02	0.02	0.04	0.03
Isovaleraldehyde	0.002	0.01	0.01	0.01	0.01	0.03	0.02
Valeraldehyde	0.001	0.02	0.02	0.02	0.02	0.03	0.03
Tolualdehydes	0.004	0.03	0.02	0.02	0.02	0.03	0.02
Hexaldehyde	0.002	0.03	0.05	0.03	0.02	0.04	0.06
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

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(µg/cartridge)

Data File ID	Acceptance	V3BL037	Meets	V3BL035	Meets	F3CC023	Meets	V3CL021	Meets
FB ID	Criteria	31668 FB	Criteria	31672 FB	Criteria	31825 FB	Criteria	32044 FB	Criteria
Sample date	per	1/15/2003		1/22/2003		2/2/2003		2/20/2003	
Date Analyzed	QAPP	2/13/2003	(Y/N)	2/13/2003	(Y/N)	3/4/2003	(Y/N)	3/13/2003	(Y/N)
Formaldehyde	<0.3	0.04	Y	0.01	Y	0.09	Y	0.03	Y
Acetaldehyde	<0.4	0.05	Y	0.05	Y	0.06	Y	0.13	Y
Acetone	<0.75	0.19	Y	0.14	Y	0.20	Y	0.15	Y
Propionaldehyde		0.01		0.01		0.01		0.01	
Crotonaldehyde		ND		ND		0.03		ND	
Butyraldehyde		0.05		0.05		0.12		0.07	
Benzaldehyde		0.01		0.02		0.02		0.02	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.01		0.01	
Tolualdehydes		0.03		0.03		0.02		0.02	
Hexaldehyde		0.02		0.02		0.02		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.125	Y	0.134	Y	0.212	Y	0.138	Y

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(µg/cartridge)

Data File ID	Acceptance	V3EO028	Meets	V3E#036	Meets	F3FC024	Meets	V3GB011	Meets
FB ID	Criteria	32773 FB	Criteria	32852 FB	Criteria	33192 FB	Criteria	33400 FB	Criteria
Sample date	per	4/15/2003		4/21/2003		5/9/2003		5/27/2003	
Date Analyzed	QAPP	5/16/2003	(Y/N)	5/30/2003	(Y/N)	6/4/2003	(Y/N)	7/2/2003	(Y/N)
Formaldehyde	<0.3	0.06	Y	0.04	Y	0.07	Y	0.23	Y
Acetaldehyde	<0.4	0.16	Y	0.06	Y	0.10	Y	0.12	Y
Acetone	<0.75	0.27	Y	0.21	Y	0.22	Y	0.21	Y
Propionaldehyde		0.02		0.01		0.21		0.01	
Crotonaldehyde		0.02		0.02		0.01		0.01	
Butyraldehyde		0.09		0.11		0.25		0.06	
Benzaldehyde		0.03		0.02		0.02		0.02	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.05		0.01		0.01		0.01	
Tolualdehydes		0.04		0.08		0.02		0.06	
Hexaldehyde		0.05		0.02		0.01		0.03	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.297	Y	0.262	Y	0.532	Y	0.202	Y

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(µg/cartridge)

Data File ID	Acceptance	F3GZ036	Meets	F3G!040	Meets	F3HM017	Meets	F3H!010	Meets
FB ID	Criteria	33682 FB	Criteria	33851 FB	Criteria	34293 FB	Criteria	34671 FB	Criteria
Sample date	per	6/14/2003		6/20/2003		7/8/2003		7/26/2003	
Date Analyzed	QAPP	7/27/2003	(Y/N)	7/29/2003	(Y/N)	8/13/2003	(Y/N)	8/28/2003	(Y/N)
Formaldehyde	<0.3	0.19	Y	0.09	Y	0.07	Y	0.03	Y
Acetaldehyde	<0.4	0.12	Y	0.08	Y	0.08	Y	0.08	Y
Acetone	<0.75	0.22	Y	0.24	Y	0.20	Y	0.23	Y
Propionaldehyde		0.01		0.01		0.01		0.01	
Crotonaldehyde		0.02		0.02		0.01		0.02	
Butyraldehyde		0.41		0.22		0.05		0.04	
Benzaldehyde		0.02		0.02		0.01		0.02	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.01		0.01		ND		0.01	
Tolualdehydes		0.03		0.03		0.03		0.04	
Hexaldehyde		0.03		0.05		0.02		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.529	Y	0.349	Y	0.134	Y	0.157	Y

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(µg/cartridge)

Data File ID	Acceptance	F3IY018	Meets	V3JO034	Meets	V3J#016	Meets	V3KC031	Meets
FB ID	Criteria	35343 FB	Criteria	35566 FB	Criteria	35977 FB	Criteria	36148 FB	Criteria
Sample date	per	8/26/2003		9/6/2003		9/24/2003		10/6/2003	
Date Analyzed	QAPP	9/26/2003	(Y/N)	10/16/2003	(Y/N)	10/29/2003	(Y/N)	11/4/2003	(Y/N)
Formaldehyde	<0.3	0.05	Y	0.05	Y	0.05	Y	0.07	Y
Acetaldehyde	<0.4	0.09	Y	0.11	Y	0.14	Y	0.12	Y
Acetone	<0.75	0.23	Y	0.24	Y	0.23	Y	0.22	Y
Propionaldehyde		0.01		0.01		0.01		0.01	
Crotonaldehyde		0.01		0.03		0.02		0.03	
Butyraldehyde		0.08		0.12		0.08		0.09	
Benzaldehyde		0.02		0.02		0.02		0.02	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.01		0.01	
Tolualdehydes		0.05		0.03		0.05		0.05	
Hexaldehyde		0.03		0.03		0.03		0.03	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.200	Y	0.257	Y	0.215	Y	0.233	Y

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(µg/cartridge)

Data File ID	Acceptance	V3LD012	Meets	V3LD010	Meets	F3LI023	Meets	V4AV045	Meets
FB ID	Criteria	36406 FB	Criteria	36413 FB	Criteria	36731 FB	Criteria	37061 FB	Criteria
Sample date	per	10/30/2003		11/3/2003		11/17/2003		12/11/2003	
Date Analyzed	QAPP	12/5/2003	(Y/N)	12/5/2003	(Y/N)	12/29/2003	(Y/N)	1/23/2004	(Y/N)
Formaldehyde	<0.3	0.07	Y	0.27	Y	0.03	Y	0.03	Y
Acetaldehyde	<0.4	0.11	Y	0.12	Y	0.15	Y	0.18	Y
Acetone	<0.75	0.21	Y	0.21	Y	0.25	Y	0.34	Y
Propionaldehyde		0.01		0.01		0.02		0.02	
Crotonaldehyde		0.01		0.02		0.01		0.02	
Butyraldehyde		0.17		0.16		0.11		0.13	
Benzaldehyde		0.02		0.02		0.01		0.03	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.01		0.02	
Tolualdehydes		0.04		0.06		0.02		0.05	
Hexaldehyde		0.03		0.03		0.03		0.03	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.296	Y	0.303	Y	0.219	Y	0.297	Y

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(µg/cartridge)

Data File ID	Acceptance	V4BG021	Meets
FB ID	Criteria	37325 FB	Criteria
Sample date	per	12/29/2003	
Date Analyzed	QAPP	2/8/2004	(Y/N)
Formaldehyde	<0.3	0.03	Y
Acetaldehyde	<0.4	0.17	Y
Acetone	<0.75	0.27	Y
Propionaldehyde		0.01	
Crotonaldehyde		0.01	
Butyraldehyde		0.11	
Benzaldehyde		0.02	
Isovaleraldehyde		ND	
Valeraldehyde		0.02	
Tolualdehydes		0.02	
Hexaldehyde		0.04	
2,5-Dimethylbenzaldehyde		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.230	Y

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SAMPLE #		31431	31551	31663	31727 D1	31727 R1	31728 D2
SAMPLE DATE		1/3/2003	1/15/2003	1/21/2003	1/27/2003	1/27/2003	1/27/2003
ANALYSIS DATE		2/6/2003	2/12/2003	2/27/2003	4/9/2003	4/9/2003	VOID
FILE NAME	MDL	V3BE035	V3BL019	V3BZ019	F3 DI012	F3 DI013	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	1.75	1.49	1.34	1.93	1.94	
Acetaldehyde	0.013	1.29	1.00	1.15	1.13	1.12	
Acetone	0.012	1.17	0.77	0.94	1.02	1.02	
Propionaldehyde	0.003	0.10	0.04	0.05	0.08	0.07	
Crotonaldehyde	0.004	0.01	0.003 u	0.01	0.01	0.01	
Butyr/Isobutyraldehyde	0.006	0.10	0.03	0.05	0.08	0.08	
Benzaldehyde	0.001	0.02	0.02	0.02	0.02	0.02	
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	
Valeraldehyde	0.001	0.02	0.005	0.01	0.01	0.01	
Tolualdehydes	0.003	0.03	0.01	0.02	0.02	0.02	
Hexaldehyde	0.001	0.04	0.01	0.02	0.02	0.02	
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	

u Under detection limit.
 ND Not detected.

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SAMPLE #		31811	31876	31970	31996	32120 D1	32120 R1
SAMPLE DATE		2/2/2003	2/8/2003	2/14/2003	2/20/2003	2/26/2003	2/26/2003
ANALYSIS DATE		3/3/2003	3/10/2003	3/11/2003	3/13/2003	3/19/2003	3/19/2003
FILE NAME	MDL	V3CC013	V3CJ010	F3CJ012	V3CL025	V3CQ038	V3CQ039
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	1.64	1.58	0.96	0.22	2.19	2.20
Acetaldehyde	0.013	1.25	0.92	0.78	0.06	1.18	1.18
Acetone	0.012	1.75	0.78	1.38	0.09	1.29	1.29
Propionaldehyde	0.003	0.11	0.05	0.09	0.005	0.07	0.07
Crotonaldehyde	0.004	0.01	0.01	0.03	ND	0.01	0.01
Butyr/Isobutyraldehyde	0.006	0.12	0.06	0.11	0.02	0.09	0.09
Benzaldehyde	0.001	0.04	0.02	0.02	0.003	0.03	0.03
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.04	0.01	0.02	0.003	0.02	0.02
Tolualdehydes	0.003	0.04	0.03	0.02	0.018	0.02	0.03
Hexaldehyde	0.001	0.05	0.03	0.04	0.01	0.02	0.03
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

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SAMPLE #		32122 D2	32122 R2	32192	32263	32342	32449
SAMPLE DATE		2/26/2003	2/26/2003	3/4/2003	3/10/2003	3/16/2003	3/22/2003
ANALYSIS DATE		3/19/2003	3/19/2003	4/4/2003	4/10/2003	4/15/2003	4/18/2003
FILE NAME	MDL	V3CQ040	V3CQ041	F3DC015	F3DJ018	F3DN029	F3DP054
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	1.86	1.86	1.65	18.85	3.68	2.39
Acetaldehyde	0.013	0.98	0.99	1.17	1.57	1.72	1.11
Acetone	0.012	1.15	1.15	1.43	3.10	1.16	1.50
Propionaldehyde	0.003	0.06	0.06	0.06	0.19	0.11	0.09
Crotonaldehyde	0.004	0.01	0.01	0.03	0.02	0.03	0.03
Butyr/Isobutyraldehyde	0.006	0.08	0.09	0.08	0.29	0.14	0.15
Benzaldehyde	0.001	0.02	0.02	0.03	0.08	0.03	0.03
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.02	0.01	0.49	0.03	0.06
Tolualdehydes	0.003	0.02	0.03	0.02	0.28	0.02	0.03
Hexaldehyde	0.001	0.03	0.03	0.02	1.31	0.05	0.06
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

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SAMPLE #		32498	32582	32641	32749
SAMPLE DATE		3/28/2003	4/3/2003	4/9/2003	4/15/2003
ANALYSIS DATE		5/10/2003	5/7/2003	5/15/2003	5/23/2003
FILE NAME	MDL	F3EI024	F3EF031	F3EO010	F3EW004
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	1.73	2.75	2.53	3.42
Acetaldehyde	0.013	0.56	1.32	1.15	1.36
Acetone	0.012	0.68	1.11	1.25	0.42
Propionaldehyde	0.003	0.02	0.08	0.04	0.07
Crotonaldehyde	0.004	0.02	0.04	0.03	0.04
Butyr/Isobutyraldehyde	0.006	0.08	0.10	0.11	0.11
Benzaldehyde	0.001	0.01	0.02	0.01	0.03
Isovaleraldehyde	0.001	ND	ND	ND	ND
Valeraldehyde	0.001	0.02	0.02	0.01	0.02
Tolualdehydes	0.003	0.01	0.02	0.02	0.01
Hexaldehyde	0.001	0.02	0.04	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND

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(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	V3BL018 31550 FB 1/15/2003 2/12/2003	Meets Criteria (Y/N)	V3BZ014 31662 1/21/2003 2/26/2003	Meets Criteria (Y/N)	V3CC014 31810 FB 2/2/2003 3/3/2003	Meets Criteria (Y/N)	F3CJ028 31996 2/20/2003 3/11/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.04	Y	0.10	Y	0.04	Y	0.28	Y
Acetaldehyde	<0.4	0.07	Y	0.09	Y	0.13	Y	0.07	Y
Acetone	<0.75	0.27	Y	0.23	Y	0.23	Y	0.20	Y
Propionaldehyde		0.01		0.01		0.01		0.01	
Crotonaldehyde		ND		ND		ND		ND	
Butyraldehyde		0.05		0.06		0.08		0.19	
Benzaldehyde		0.01		0.02		0.01		0.02	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.01		0.01	
Tolualdehydes		0.03		0.02		0.05		0.03	
Hexaldehyde		0.04		0.03		0.04		0.04	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.149	Y	0.149	Y	0.202	Y	0.290	Y

Lincoln, NE (LONE) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	F3DJ017	Meets	F3DN030	Meets	F3EW005	Meets
FB ID	Criteria	32262 FB	Criteria	32341 FB	Criteria	32748 FB	Criteria
Sample date	per	3/10/2003		3/16/2003		4/15/2003	
Date Analyzed	QAPP	4/10/2003	(Y/N)	4/15/2003	(Y/N)	5/23/2003	(Y/N)
Formaldehyde	<0.3	0.28	Y	0.02	Y	0.03	Y
Acetaldehyde	<0.4	0.08	Y	0.06	Y	0.03	Y
Acetone	<0.75	0.19	Y	0.14	Y	0.16	Y
Propionaldehyde		0.01		0.01		0.01	
Crotonaldehyde		0.01		0.01		0.01	
Butyraldehyde		0.07		0.16		0.27	
Benzaldehyde		0.02		0.01		0.01	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.01		ND		ND	
Tolualdehydes		0.06		0.02		0.05	
Hexaldehyde		0.03		0.01		0.01	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.197	Y	0.210	Y	0.363	Y

Nashville, TN (LOTN) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31425	31601	31697 D1	31698 D2	31927	32029
SAMPLE DATE		1/3/2003	1/15/2003	1/27/2003	1/27/2003	2/8/2003	2/20/2003
ANALYSIS DATE		2/6/2003	2/13/2003	VOID	VOID	3/11/2003	3/12/2003
FILE NAME	MDL	V3BE037	V3BL027	VOID	VOID	V3CJ022	F3CL014
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.017	1.20	2.03			2.41	0.91
Acetaldehyde	0.010	0.49	0.77			0.83	0.44
Acetone	0.010	0.65	1.02			1.08	0.55
Propionaldehyde	0.002	0.05	0.08			0.09	0.06
Crotonaldehyde	0.003	0.005	0.01			0.01	0.002 u
Butyr/Isobutyraldehyde	0.005	0.10	0.10			0.12	0.09
Benzaldehyde	0.001	0.02	0.04			0.03	0.01
Isovaleraldehyde	0.001	ND	ND			ND	ND
Valeraldehyde	0.001	0.02	0.03			0.03	0.01
Tolualdehydes	0.003	0.01	0.02			0.02	0.01
Hexaldehyde	0.001	0.02	0.02			0.02	0.02
2,5-Dimethylbenzaldehyde	0.001	ND	ND			ND	ND

D Diluted value.

u Under detection limit.

ND Not detected.

Nashville, TN (LOTN) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32218	32391	32549 D1	32549 R1	32552 D2	32552 R2
SAMPLE DATE		3/4/2003	3/16/2003	3/28/2003	3/28/2003	3/28/2003	3/28/2003
ANALYSIS DATE		4/7/2003	4/25/2003	5/9/2003	5/10/2003	5/9/2003	5/9/2003
FILE NAME	MDL	F3DG007	F3DX022	F3EI009	F3EI010	F3EI007	F3EI008
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.017	3.04	3.40	2.86	2.87	2.91	2.88
Acetaldehyde	0.010	1.11	1.40	0.82	0.83	0.83	0.83
Acetone	0.010	2.09	1.11	0.72	0.72	0.70	0.70
Propionaldehyde	0.002	0.11	0.18	0.11	0.10	0.11	0.10
Crotonaldehyde	0.003	0.04	0.04	0.03	0.02	0.02	0.031
Butyr/Isobutyraldehyde	0.005	0.16	0.21	0.19	0.19	0.19	0.21
Benzaldehyde	0.001	0.04	0.05	0.02	0.02	0.02	0.03
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.03	0.05	0.03	0.03	0.03	0.03
Tolualdehydes	0.003	0.04	0.03	0.02	0.02	0.02	0.02
Hexaldehyde	0.001	0.04	0.07	0.03	0.03	0.03	0.03
2,5-Dimethylbenzaldehyde	0.001	ND	ND	ND	ND	ND	ND

D Diluted value.

u Under detection limit.

ND Not detected.

Nashville, TN (LOTN) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32645	32885	33111	33290 D1	33290 R1	33294 D2
SAMPLE DATE		4/9/2003	4/21/2003	5/3/2009	5/15/2003	5/15/2003	5/15/2003
ANALYSIS DATE		5/15/2003	5/30/2003	6/3/2003	6/25/2003	6/25/2003	6/25/2003
FILE NAME	MDL	F3EO008	V3E#021	F3FB021	V3FX025	V3FX026	V3FX027
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.017	0.97	2.45	2.96	3.55	3.57	3.28
Acetaldehyde	0.010	0.52	0.77	1.12	1.02	1.02	0.92
Acetone	0.010	1.27	0.77	0.72	0.54	0.53	0.42
Propionaldehyde	0.002	0.06	0.13	0.18	0.21	0.21	0.20
Crotonaldehyde	0.003	0.02	0.03	0.06	0.18	0.19	0.17
Butyr/Isobutyraldehyde	0.005	0.21	0.31	1.15	0.58	0.58	0.44
Benzaldehyde	0.001	0.02	0.06	0.13	0.09	0.08	0.08
Isovaleraldehyde	0.001	ND	0.003	0.02	0.01	0.01	0.01
Valeraldehyde	0.001	0.02	0.03	0.06	0.05	0.05	0.04
Tolualdehydes	0.003	0.01	0.01	0.04	0.04	0.04	0.04
Hexaldehyde	0.001	0.02	0.05	0.07	0.06	0.06	0.06
2,5-Dimethylbenzaldehyde	0.001	ND	ND	ND	ND	ND	ND

D Diluted value.
u Under detection limit.
ND Not detected.

Nashville, TN (LOTN) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		33294 R2	33447	33560	33908	34186	34434
SAMPLE DATE		5/15/2003	5/27/2003	6/8/2003	6/20/2003	7/2/2003	7/14/2003
ANALYSIS DATE		6/25/2003	7/8/2003	VOID	VOID	8/7/2003	VOID
FILE NAME	MDL	V3FX028	V3GG045	VOID	VOID	F3HF040	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.017	3.27	3.64			3.75	
Acetaldehyde	0.010	0.91	1.22			0.73	
Acetone	0.010	0.41	0.76			0.32	
Propionaldehyde	0.002	0.19	0.25			0.14	
Crotonaldehyde	0.003	0.17	0.09			0.31	
Butyr/Isobutyraldehyde	0.005	0.44	0.48			0.11	
Benzaldehyde	0.001	0.09	0.07			0.05	
Isovaleraldehyde	0.001	0.01	0.01			ND	
Valeraldehyde	0.001	0.04	0.06			0.04	
Tolualdehydes	0.003	0.03	0.05			0.05	
Hexaldehyde	0.001	0.05	0.10			0.05	
2,5-Dimethylbenzaldehyde	0.001	ND	ND			ND	

D Diluted value.

u Under detection limit.

ND Not detected.

Nashville, TN (LOTN) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		34716	34883	35195	35419	35784 D1	35786 D2
SAMPLE DATE		7/26/2003	8/9/2003	8/19/2003	8/31/2003	9/12/2003	9/12/2003
ANALYSIS DATE		VOID	9/8/2003	9/23/2003	VOID	VOID	VOID
FILE NAME	MDL	VOID	V3IH020	F3IV024	VOID	VOID	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.017		10.18 D	5.36			
Acetaldehyde	0.010		0.92	0.72			
Acetone	0.010		0.36	0.34			
Propionaldehyde	0.002		0.32	0.17			
Crotonaldehyde	0.003		0.30	0.26			
Butyr/Isobutyraldehyde	0.005		0.19	0.10			
Benzaldehyde	0.001		0.08	0.05			
Isovaleraldehyde	0.001		0.03	ND			
Valeraldehyde	0.001		0.09	0.04			
Tolualdehydes	0.003		0.09	0.06			
Hexaldehyde	0.001		0.11	0.05			
2,5-Dimethylbenzaldehyde	0.001		ND	ND			

D Diluted value.

u Under detection limit.

ND Not detected.

Nashville, TN (LOTN) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		35989	36150	36303	36427	36891	37006
SAMPLE DATE		9/24/2003	10/6/2003	10/18/2003	10/30/2003	11/23/2003	12/5/03
ANALYSIS DATE		11/4/2003	11/12/2003	VOID	VOID	12/30/2003	1/11/04
FILE NAME	MDL	F3KC022	V3KK020	VOID	VOID	V3L\$019	V4AK018
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.017	3.61	2.06			2.94	1.22
Acetaldehyde	0.010	1.18	1.00			0.69	0.52
Acetone	0.010	0.94	1.03			0.47	1.14
Propionaldehyde	0.002	0.15	0.11			0.09	0.06
Crotonaldehyde	0.003	0.10	0.05			0.02	0.02
Butyr/Isobutyraldehyde	0.005	0.13	0.11			0.15	0.10
Benzaldehyde	0.001	0.04	0.03			0.02	0.02
Isovaleraldehyde	0.001	ND	0.01			0.01	0.01
Valeraldehyde	0.001	0.05	0.04			0.02	0.02
Tolualdehydes	0.003	0.04	0.03			0.03	0.02
Hexaldehyde	0.001	0.05	0.05			0.02	0.02
2,5-Dimethylbenzaldehyde	0.001	ND	ND			ND	ND

D Diluted value.

u Under detection limit.

ND Not detected.

Nashville, TN (LOTN) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		37094	37211	37214	37246	37352	37356
SAMPLE DATE		12/11/03	12/17/03	12/20/03	12/23/03	12/26/03	12/29/03
ANALYSIS DATE		1/14/04	VOID	2/3/04	2/3/04	2/5/04	VOID
FILE NAME	MDL	V4AN009	VOID	V4BB038	V4BB039	V4BD007	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.017	1.85		2.53	1.99	1.35	
Acetaldehyde	0.010	0.56		0.95	0.54	0.59	
Acetone	0.010	1.16		1.11	0.82	0.61	
Propionaldehyde	0.002	0.06		0.08	0.05	0.05	
Crotonaldehyde	0.003	0.03		0.05	0.02	0.02	
Butyr/Isobutyraldehyde	0.005	0.11		0.11	0.07	0.06	
Benzaldehyde	0.001	0.03		0.05	0.02	0.02	
Isovaleraldehyde	0.001	0.004		0.02	0.004	0.01	
Valeraldehyde	0.001	0.01		0.02	0.02	0.02	
Tolualdehydes	0.003	0.04		0.05	0.02	0.03	
Hexaldehyde	0.001	0.02		0.03	0.02	0.02	
2,5-Dimethylbenzaldehyde	0.001	ND		ND	ND	ND	

D Diluted value.

u Under detection limit.

ND Not detected.

Nashville, TN (LOTN) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	V3BL028 31600 FB 1/15/2003 2/13/2003	Meets Criteria (Y/N)	F3CL020 32028 FB 2/20/2003 3/13/2003	Meets Criteria (Y/N)	F3DX029 32390 FB 3/16/2003 4/25/2003	Meets Criteria (Y/N)	V3E#022 32884 FB 4/21/2003 5/30/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.053	Y	0.058	Y	0.048	Y	0.025	Y
Acetaldehyde	<0.4	0.078	Y	0.071	Y	0.037	Y	0.038	Y
Acetone	<0.75	0.221	Y	0.197	Y	0.130	Y	0.138	Y
Propionaldehyde		0.009		0.008		ND		0.013	
Crotonaldehyde		ND		ND		0.014		0.010	
Butyraldehyde		0.051		0.141		0.237		0.100	
Benzaldehyde		0.022		0.019		0.005		0.015	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		ND		0.010		ND		0.007	
Tolualdehydes		0.020		0.022		0.010		0.034	
Hexaldehyde		0.025		0.025		0.017		0.013	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.126	Y	0.224	Y	0.282	Y	0.191	Y

Nashville, TN (LOTN) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	V3GG046 33446 FB 5/27/2003 7/8/2003	Meets Criteria (Y/N)	VOID 33907 FB 6/20/2003 VOID	Meets Criteria (Y/N)	VOID 34715 FB 7/26/2003 VOID	Meets Criteria (Y/N)	VOID 36426 FB 10/30/2003 VOID	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.107	Y						Y
Acetaldehyde	<0.4	0.112	Y						Y
Acetone	<0.75	0.162	Y						Y
Propionaldehyde		0.011							
Crotonaldehyde		0.012							
Butyraldehyde		0.085							
Benzaldehyde		0.020							
Isovaleraldehyde		ND							
Valeraldehyde		0.009							
Tolualdehydes		0.040							
Hexaldehyde		0.026							
2,5-Dimethylbenzaldehyde		ND							
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.202	Y	0.000		0.000		0.000	Y

Nashville, TN (LOTN) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3L\$020	Meets	VOID	Meets
FB ID	Criteria	36890 FB	Criteria	37355 FB	Criteria
Sample date	per	11/23/2003		12/29/03	
Date Analyzed	QAPP	12/31/2003	(Y/N)	VOID	(Y/N)
Formaldehyde	<0.3	0.074	Y		Y
Acetaldehyde	<0.4	0.143	Y		Y
Acetone	<0.75	0.129	Y		Y
Propionaldehyde		0.009			
Crotonaldehyde		0.017			
Butyraldehyde		0.208			
Benzaldehyde		0.018			
Isovaleraldehyde		ND			
Valeraldehyde		0.012			
Tolualdehydes		0.052			
Hexaldehyde		0.017			
2,5-Dimethylbenzaldehyde		ND			
Sum total of	<7.0	0.331	Y	0.000	Y
Propionaldehyde through					
2,5-Dimethylbenzaldehyde					

Miami, FL (MDFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31419	31780	31778 D1	31778 R1	31779 D2	31779 R2
SAMPLE DATE		1/3/2003	1/15/2003	1/27/2003	1/27/2003	1/27/2003	1/27/2003
ANALYSIS DATE		2/11/2003	2/27/2003	2/28/2003	2/28/2003	2/28/2003	2/28/2003
FILE NAME	MDL	V3BJ048	F3BZ008	F3BZ037	F3BZ038	F3BZ039	F3BZ040
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	0.41	0.37	0.59	0.60	0.60	0.60
Acetaldehyde	0.013	0.70	0.35	0.69	0.70	0.71	0.71
Acetone	0.012	0.12	0.54	0.41	0.41	0.42	0.42
Propionaldehyde	0.003	0.01	ND	0.03	0.02	0.02	0.02
Crotonaldehyde	0.004	0.003 u	0.004 u	0.004 u	0.004 u	0.01	0.01
Butyr/Isobutyraldehyde	0.006	0.03	0.04	0.07	0.08	0.09	0.10
Benzaldehyde	0.001	0.03	0.02	0.02	0.03	0.02	0.02
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.004	0.01	0.01	0.01	0.01	0.01
Tolualdehydes	0.003	0.02	0.02	0.01	0.01	0.02	0.01
Hexaldehyde	0.001	0.01	0.01	0.01	0.01	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Post flow assumed same as pre flow.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Miami, FL (MDFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31855	32043	32363	32546 D1	32546 R1	32547 D2
SAMPLE DATE		2/8/2003	2/20/2003	3/16/2003	3/28/2003	3/28/2003	3/28/2003
ANALYSIS DATE		3/10/2003	3/13/2003	4/11/2003	5/7/2003	5/7/2003	5/7/2003
FILE NAME	MDL	V3CJ007	V3CL020	F3DJ026	F3EF049	F3EF050	F3EF051
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	0.36	0.41	0.30	1.10	1.11	1.23
Acetaldehyde	0.013	0.55	0.77	0.36	1.94	1.89	2.00
Acetone	0.012	0.20	0.11	0.09	0.14	0.15	0.18
Propionaldehyde	0.003	0.01	0.02	ND	0.02	0.03	0.02
Crotonaldehyde	0.004	ND	0.003 u	0.01	0.03	0.03	0.03
Butyr/Isobutyraldehyde	0.006	0.03	0.03	0.09	0.08	0.08	0.08
Benzaldehyde	0.001	0.03	0.02	0.02	0.04	0.04	0.04
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.004	0.01	0.01	0.01	0.01
Tolualdehydes	0.003	0.02	0.01	0.02	0.03	0.03	0.02
Hexaldehyde	0.001	0.01	0.01	0.02	0.02	0.01	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Post flow assumed same as pre flow.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Miami, FL (MDFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32547 R2	32707	32857	33115	33263 D1	33263 R1
SAMPLE DATE		3/28/2003	4/9/2003	4/21/2003	5/3/2003	5/15/2003	5/15/2003
ANALYSIS DATE		5/7/2003	5/20/2003	5/30/2003	6/4/2003	6/5/2003	6/5/2003
FILE NAME	MDL	F3EF052	F3ES012	V3E#037	F3FC021	V3FE011	V3FE012
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	1.23	0.29	0.31	0.34	0.53	0.53
Acetaldehyde	0.013	2.00	0.47	0.36	0.48	1.29	1.29
Acetone	0.012	0.18	0.10	0.11	0.09	0.06	0.05
Propionaldehyde	0.003	0.02	ND	ND	ND	ND	ND
Crotonaldehyde	0.004	0.03	0.01	0.02	0.02	0.02	0.02
Butyr/Isobutyraldehyde	0.006	0.09	0.10	0.05	0.10	0.04	0.04
Benzaldehyde	0.001	0.04	0.02	0.02	0.02	0.03	0.02
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.01	0.01	0.01	0.01
Tolualdehydes	0.003	0.02	0.01	0.01	0.01	0.04	0.02
Hexaldehyde	0.001	0.01	0.02	0.01	0.01	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Post flow assumed same as pre flow.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Miami, FL (MDFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		33364 D2	33364 R2	33415	*33595	33872	34201
SAMPLE DATE		5/15/2003	5/15/2003	5/27/2003	6/8/2003	6/20/2003	7/2/2003
ANALYSIS DATE		6/5/2003	6/5/2003	6/30/2003	8/6/2003	7/29/2003	8/7/2003
FILE NAME	MDL	V3FE013	V3FE014	V3F\$007	F3HF010	F3G!034	F3HF050
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	0.56	0.56	0.40	0.27	1.22	0.48
Acetaldehyde	0.013	1.37	1.37	0.93	0.28	0.85	1.10
Acetone	0.012	0.06	0.06	0.08	0.08	0.19	0.13
Propionaldehyde	0.003	ND	ND	ND	NR	0.06	ND
Crotonaldehyde	0.004	0.02	0.01	0.02	0.02	0.11	0.02
Butyr/Isobutyraldehyde	0.006	0.05	0.05	0.04	0.02	0.10	0.03
Benzaldehyde	0.001	0.03	0.02	0.03	0.02	0.04	0.02
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.01	0.004	0.01	0.005
Tolualdehydes	0.003	0.03	0.02	0.02	0.01	0.02	0.02
Hexaldehyde	0.001	0.02	0.02	0.02	0.01	0.02	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	0.004

^ Post flow assumed same as pre flow.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Miami, FL (MDFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		34517	34722	34961	35243	35461	35750 D1
SAMPLE DATE		7/14/2003	7/26/2003	8/7/2003	8/19/2003	8/31/2003	9/12/2003
ANALYSIS DATE		8/19/2003	8/28/2003	9/8/2003	9/16/2003	10/7/2003	VOID
FILE NAME	MDL	V3HR022	F3H!007	V3IH017	F3IO021	V3JF032	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	0.43	0.25	0.61	0.74	0.44	
Acetaldehyde	0.013	0.45	0.25	0.94	1.61	0.28	
Acetone	0.012	0.14	0.07	0.12	0.12	0.09	
Propionaldehyde	0.003	0.07	0.01	ND	0.02	ND	
Crotonaldehyde	0.004	0.01	0.02	0.04	0.03	0.02	
Butyr/Isobutyraldehyde	0.006	0.01	0.01	0.02	0.06	0.03	
Benzaldehyde	0.001	0.01	0.01	0.03	0.03	0.01	
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	
Valeraldehyde	0.001	0.004	0.003	0.005	0.01	ND	
Tolualdehydes	0.003	0.01	0.01	0.03	0.02	0.01	
Hexaldehyde	0.001	0.01	0.01	0.02	0.01	0.01	
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	

^ Post flow assumed same as pre flow.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Miami, FL (MDFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		35751 D2	^35979	36172	36338	36476	36671
SAMPLE DATE		9/12/2003	9/24/2003	10/6/2003	10/18/2003	10/30/2003	11/11/2003
ANALYSIS DATE		VOID	10/29/2003	11/4/2003	11/25/2003	12/11/2003	12/16/2003
FILE NAME	MDL	VOID	V3J#013	V3KC035	V3KX041	V3LJ023	F3LN020
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021		0.75	0.62	0.62	0.50	0.61
Acetaldehyde	0.013		1.04	0.54	0.71	0.49	0.40
Acetone	0.012		0.07	0.10	0.13	0.07	0.11
Propionaldehyde	0.003		0.01	0.01	0.01	0.01	0.01
Crotonaldehyde	0.004		0.02	0.02	0.02	0.01	0.01
Butyr/Isobutyraldehyde	0.006		0.04	0.04	0.08	0.09	0.05
Benzaldehyde	0.001		0.03	0.02	0.02	0.02	0.03
Isovaleraldehyde	0.001		0.003	ND	ND	0.001 u	ND
Valeraldehyde	0.001		0.01	0.004	0.01	0.004	0.004
Tolualdehydes	0.003		0.02	0.01	0.02	0.02	0.03
Hexaldehyde	0.001		0.01	0.01	0.01	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002		0.01	ND	ND	ND	ND

^ Post flow assumed same as pre flow.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Miami, FL (MDFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36907	37034
SAMPLE DATE		11/23/2003	12/5/2003
ANALYSIS DATE		12/30/2003	1/12/2004
FILE NAME	MDL	V3L\$010	V4AL008
UNITS	ppbv	ppbv	ppbv
Formaldehyde	0.021	0.33	0.68
Acetaldehyde	0.013	0.22	1.23
Acetone	0.012	0.06	0.10
Propionaldehyde	0.003	0.01	0.01
Crotonaldehyde	0.004	0.01	0.02
Butyr/Isobutyraldehyde	0.006	0.12	0.09
Benzaldehyde	0.001	0.01	0.02
Isovaleraldehyde	0.001	ND	ND
Valeraldehyde	0.001	0.004	0.01
Tolualdehydes	0.003	0.01	0.01
Hexaldehyde	0.001	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND

^ Post flow assumed same as pre flow.

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Miami, FL (MDFL) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3BE046	Meets	V3CL019	Meets	F3DJ027	Meets	V3E#038	Meets
FB ID	Criteria	31519 FB	Criteria	32042 FB	Criteria	32362 FB	Criteria	32856 FB	Criteria
Sample date	per	1/15/2003		2/20/2003		3/16/2003		4/21/2003	
Date Analyzed	QAPP	2/7/2003	(Y/N)	3/13/2003	(Y/N)	4/11/2003	(Y/N)	5/30/2003	(Y/N)
Formaldehyde	<0.3	0.06	Y	0.14	Y	0.07	Y	0.03	Y
Acetaldehyde	<0.4	0.07	Y	0.11	Y	0.08	Y	0.06	Y
Acetone	<0.75	0.19	Y	0.20	Y	0.21	Y	0.19	Y
Propionaldehyde		0.01		0.01		0.01		0.01	
Crotonaldehyde		ND		ND		0.01		ND	
Butyraldehyde		0.07		0.06		0.11		0.12	
Benzaldehyde		0.01		0.02		0.02		0.02	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.002		0.01		0.01		0.01	
Tolualdehydes		0.02		0.04		0.02		0.04	
Hexaldehyde		0.04		0.02		0.03		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.149	Y	0.153	Y	0.201	Y	0.218	Y

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(µg/cartridge)

Data File ID	Acceptance	V3F\$008	Meets	F3G!035	Meets	F3H!008	Meets	F3IY022	Meets
FB ID	Criteria	33414 FB	Criteria	33871 FB	Criteria	34721 FB	Criteria	35347 FB	Criteria
Sample date	per	5/27/2003		6/20/2003		7/26/2003		8/26/2003	
Date Analyzed	QAPP	6/30/2003	(Y/N)	7/29/2003	(Y/N)	8/28/2003	(Y/N)	9/26/2003	(Y/N)
Formaldehyde	<0.3	0.08	Y	0.03	Y	0.08	Y	0.04	Y
Acetaldehyde	<0.4	0.14	Y	0.06	Y	0.07	Y	0.07	Y
Acetone	<0.75	0.20	Y	0.17	Y	0.19	Y	0.18	Y
Propionaldehyde		0.02		0.003		0.01		0.01	
Crotonaldehyde		0.01		0.02		0.02		0.05	
Butyraldehyde		0.08		0.20		0.05		0.08	
Benzaldehyde		0.02		0.02		0.01		0.003	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.01		0.01		ND		0.01	
Tolualdehydes		0.05		0.04		0.03		0.04	
Hexaldehyde		0.03		0.01		0.01		0.04	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.213	Y	0.293	Y	0.126	Y	0.238	Y

Miami, FL (MDFL) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	F3JT021	Meets	V3LJ022	Meets	V3L\$011	Meets
FB ID	Criteria	35872 FB	Criteria	36475 FB	Criteria	36906 FB	Criteria
Sample date	per	9/22/2003		10/30/2003		11/23/2003	
Date Analyzed	QAPP	10/21/2003	(Y/N)	12/11/2003	(Y/N)	12/30/2003	(Y/N)
Formaldehyde	<0.3	0.10	Y	0.10	Y	0.11	Y
Acetaldehyde	<0.4	0.09	Y	0.10	Y	0.20	Y
Acetone	<0.75	0.14	Y	0.13	Y	0.15	Y
Propionaldehyde		0.01		0.004		0.01	
Crotonaldehyde		0.02		0.01		0.03	
Butyraldehyde		0.07		0.15		0.17	
Benzaldehyde		0.01		0.01		0.02	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.005	
Tolualdehydes		0.04		0.02		0.04	
Hexaldehyde		0.01		0.01		0.01	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.162	Y	0.217	Y	0.278	Y

New Brunswick, NJ (NBNJ) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31429	31479	31543	31633	31705 D1	31705 R1
SAMPLE DATE		1/3/2003	1/9/2003	1/15/2003	1/21/2003	1/27/2003	1/27/2003
ANALYSIS DATE		2/6/2003	2/11/2003	2/12/2003	2/27/2003	4/8/2003	4/8/2003
FILE NAME	MDL	V3BE036	V3BJ038	V3BL012	V3BZ021	F3DH018	F3DH019
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	0.70	0.90	0.73	0.77	0.60	0.59
Acetaldehyde	0.014	0.50	0.58	0.61	0.56	0.41	0.40
Acetone	0.014	0.89	1.13	1.03	1.02	0.71	0.71
Propionaldehyde	0.003	0.03	0.04	0.06	0.05	0.04	0.04
Crotonaldehyde	0.005	0.01	0.01	0.01	0.01	0.003 u	0.003 u
Butyr/Isobutyraldehyde	0.007	0.06	0.08	0.07	0.08	0.07	0.07
Benzaldehyde	0.001	0.02	0.02	0.02	0.02	0.01	0.01
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.02	0.02	0.01	0.01
Tolualdehydes	0.004	0.02	0.02	0.02	0.01	0.01	0.01
Hexaldehyde	0.002	0.02	0.02	0.02	0.02	0.02	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

% Power failure during sampling.

D Diluted value.

u Under detection limit.

ND Not detected.

New Brunswick, NJ (NBNJ) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31706 D2	31706 R2	31801	31869	31976	32035
SAMPLE DATE		1/27/2003	1/27/2003	2/2/2003	2/8/2003	2/14/2003	2/20/2003
ANALYSIS DATE		4/8/2003	4/8/2003	3/4/2003	3/3/2003	3/11/2003	3/12/2003
FILE NAME	MDL	F3DH020	F3DH021	V3CC019	F3CC008	F3CJ023	F3CL013
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	0.62	0.62	1.19	1.21	1.10	1.64
Acetaldehyde	0.014	0.45	0.45	0.81	0.76	0.77	1.31
Acetone	0.014	0.81	0.81	1.43	1.27	1.57	2.40
Propionaldehyde	0.003	0.05	0.05	0.08	0.08	0.08	0.14
Crotonaldehyde	0.005	0.003 u	0.003 u	0.01	0.004 u	0.01	0.01
Butyr/Isobutyraldehyde	0.007	0.08	0.08	0.11	0.11	0.13	0.16
Benzaldehyde	0.001	0.01	0.01	0.02	0.02	0.03	0.04
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.03	0.02	0.03	0.04
Tolualdehydes	0.004	0.01	0.01	0.02	0.01	0.02	0.02
Hexaldehyde	0.002	0.01	0.02	0.04	0.03	0.02	0.04
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

% Power failure during sampling.

D Diluted value.

u Under detection limit.

ND Not detected.

New Brunswick, NJ (NBNJ) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32112 D1	32112 R1	32114 D2	32114 R2	32184	32282
SAMPLE DATE		2/26/2003	2/26/2003	2/26/2003	2/26/2003	3/4/2003	3/10/2003
ANALYSIS DATE		3/19/2003	3/19/2003	3/19/2003	3/19/2003	VOID	VOID
FILE NAME	MDL	V3CQ028	V3CQ029	V3CQ030	V3CQ031	VOID	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	1.09	1.07	1.06	1.07		
Acetaldehyde	0.014	0.81	0.83	0.86	0.86		
Acetone	0.014	1.38	1.38	1.35	1.35		
Propionaldehyde	0.003	0.09	0.09	0.09	0.09		
Crotonaldehyde	0.005	0.01	0.01	0.01	0.01		
Butyr/Isobutyraldehyde	0.007	0.12	0.12	0.12	0.12		
Benzaldehyde	0.001	0.02	0.02	0.02	0.02		
Isovaleraldehyde	0.002	ND	ND	ND	ND		
Valeraldehyde	0.001	0.02	0.02	0.03	0.02		
Tolualdehydes	0.004	0.02	0.02	0.02	0.02		
Hexaldehyde	0.002	0.03	0.03	0.04	0.03		
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND		

% Power failure during sampling.

D Diluted value.

u Under detection limit.

ND Not detected.

New Brunswick, NJ (NBNJ) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32347	32439	32643	32740	32871	32917
SAMPLE DATE		3/16/2003	3/22/2003	4/9/2003	4/15/2003	4/21/2003	4/27/2003
ANALYSIS DATE		VOID	VOID	5/15/2003	5/23/2003	5/30/2003	5/20/2003
FILE NAME	MDL	VOID	VOID	F3EO009	V3EW004	V3E#019	V3ES028
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023			0.95	5.68	0.94	1.19
Acetaldehyde	0.014			0.61	1.78	0.62	0.72
Acetone	0.014			1.27	1.78	0.63	1.38
Propionaldehyde	0.003			0.08	0.07	0.02	0.07
Crotonaldehyde	0.005			0.03	0.03	0.02	0.03
Butyr/Isobutyraldehyde	0.007			0.11	0.10	0.05	0.09
Benzaldehyde	0.001			0.01	0.06	0.02	0.02
Isovaleraldehyde	0.002			ND	ND	ND	ND
Valeraldehyde	0.001			0.02	0.05	0.01	0.03
Tolualdehydes	0.004			0.01	0.03	0.02	0.02
Hexaldehyde	0.002			0.02	0.04	0.01	0.03
2,5-Dimethylbenzaldehyde	0.002			ND	ND	ND	0.004

% Power failure during sampling.

D Diluted value.

u Under detection limit.

ND Not detected.

New Brunswick, NJ (NBNJ) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		33086	33171	33270 D1	33272 D2	33337	33390
SAMPLE DATE		5/3/2003	5/9/2003	5/15/2003	5/15/2003	5/21/2003	5/27/2003
ANALYSIS DATE		6/3/2003	6/5/2003	VOID	VOID	7/1/2003	7/7/2003
FILE NAME	MDL	F3FC008	F3FE013	VOID	VOID	V3F\$023	V3GG015
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	0.97	1.32			1.33	1.46
Acetaldehyde	0.014	0.67	1.03			0.94	0.95
Acetone	0.014	1.65	0.97			0.70	0.67
Propionaldehyde	0.003	0.06	0.09			0.10	0.06
Crotonaldehyde	0.005	0.02	0.03			0.03	0.02
Butyr/Isobutyraldehyde	0.007	0.11	0.13			0.09	0.45
Benzaldehyde	0.001	0.03	0.03			0.10	0.03
Isovaleraldehyde	0.002	ND	ND			0.02	ND
Valeraldehyde	0.001	0.03	0.03			0.04	0.02
Tolualdehydes	0.004	0.02	0.03			0.02	0.03
Hexaldehyde	0.002	0.02	0.05			0.07	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND			ND	ND

% Power failure during sampling.

D Diluted value.

u Under detection limit.

ND Not detected.

New Brunswick, NJ (NBNJ) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		33467	33568	33670	33838	34143 D1	34143 R1
SAMPLE DATE		6/2/2003	6/8/2003	6/14/2003	6/20/2003	6/26/2003	6/26/2003
ANALYSIS DATE		7/9/2003	7/16/2003	VOID	7/29/2003	7/31/2003	7/31/2003
FILE NAME	MDL	V3GG061	V3GO037	VOID	V3G#018	F3G\$035	F3G\$036
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	3.60	1.88		1.43	12.31 D	12.34 D
Acetaldehyde	0.014	1.03	0.85		0.74	2.82	2.84
Acetone	0.014	1.11	0.93		0.61	1.18	1.19
Propionaldehyde	0.003	0.08	0.05		0.04	0.07	0.07
Crotonaldehyde	0.005	0.04	0.04		0.04	0.43	0.43
Butyr/Isobutyraldehyde	0.007	0.10	0.07		0.03	0.13	0.14
Benzaldehyde	0.001	0.04	0.02		0.03	0.08	0.10
Isovaleraldehyde	0.002	0.01	ND		ND	ND	ND
Valeraldehyde	0.001	0.05	0.03		0.02	0.11	0.11
Tolualdehydes	0.004	0.03	0.03		0.02	0.11	0.11
Hexaldehyde	0.002	0.05	0.01		0.004	0.04	0.05
2,5-Dimethylbenzaldehyde	0.002	ND	ND		ND	ND	ND

% Power failure during sampling.

D Diluted value.

u Under detection limit.

ND Not detected.

New Brunswick, NJ (NBNJ) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		34145 D2	34145 R2	34182	34244	34334 D1	34336 D2
SAMPLE DATE		6/26/2003	6/26/2003	7/2/2003	7/8/2003	7/14/2003	7/14/2003
ANALYSIS DATE		7/31/2003	7/31/2003	8/7/2003	8/14/2003	VOID	VOID
FILE NAME	MDL	F3G\$037	F3G\$038	F3HF037	F3HN012	VOID	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	18.23 D	18.24 D	8.19	0.65		
Acetaldehyde	0.014	3.22	3.24	2.12	0.40		
Acetone	0.014	2.69	2.71	0.84	0.35		
Propionaldehyde	0.003	0.09	0.13	0.07	0.05		
Crotonaldehyde	0.005	0.21	0.19	0.20	0.07		
Butyr/Isobutyraldehyde	0.007	0.21	0.20	0.12	0.07		
Benzaldehyde	0.001	0.12	0.12	0.07	0.002		
Isovaleraldehyde	0.002	ND	ND	ND	ND		
Valeraldehyde	0.001	0.14	0.14	0.07	0.02		
Tolualdehydes	0.004	0.09	0.12	0.08	0.01		
Hexaldehyde	0.002	0.15	0.16	0.10	0.02		
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND		

% Power failure during sampling.

D Diluted value.

u Under detection limit.

ND Not detected.

New Brunswick, NJ (NBNJ) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		34526	34633	34776	34910	35022	35179
SAMPLE DATE		7/20/2003	7/26/2003	8/1/2003	8/7/2003	8/13/2003	8/19/2003
ANALYSIS DATE		8/8/2003	8/27/2003	9/4/2003	8/20/2003	9/10/2003	9/23/2003
FILE NAME	MDL	F3HF060	F3H~012	V3IC021	V3HS021	F3II026	F3IV017
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	7.45	8.39	4.40	4.34	5.88	4.34
Acetaldehyde	0.014	3.60	4.00	3.29	3.89	4.43	3.35
Acetone	0.014	0.83	0.97	0.53	0.43	0.86	0.65
Propionaldehyde	0.003	0.53	0.57	0.41	0.47	0.49	0.31
Crotonaldehyde	0.005	0.42	0.41	0.26	0.23	0.55	0.34
Butyr/Isobutyraldehyde	0.007	0.46	0.46	0.32	0.32	0.34	0.25
Benzaldehyde	0.001	0.07	0.07	0.04	0.05	0.07	0.05
Isovaleraldehyde	0.002	ND	0.05	0.04	0.03	0.03	0.02
Valeraldehyde	0.001	0.29	0.23	0.12	0.12	0.11	0.07
Tolualdehydes	0.004	0.09	0.05	0.01	0.02	0.03	0.03
Hexaldehyde	0.002	0.27	0.17	0.06	0.06	0.05	0.04
2,5-Dimethylbenzaldehyde	0.002	0.03	0.02	ND	ND	ND	ND

% Power failure during sampling.

D Diluted value.

u Under detection limit.

ND Not detected.

New Brunswick, NJ (NBNJ) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		35255 D1	35255 R1	35257 D2	35257 R2	35391	35548
SAMPLE DATE		8/25/2003	8/25/2003	8/25/2003	8/25/2003	8/31/2003	9/6/2003
ANALYSIS DATE		9/26/2003	9/26/2003	9/26/2003	9/26/2003	9/30/2003	10/16/2003
FILE NAME	MDL	F3IY024	F3IY025	F3IY026	F3IY027	F3I#019	V3JO023
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	6.79	6.63	7.02	6.93	3.06	2.09
Acetaldehyde	0.014	3.30	3.28	3.42	3.41	3.23	2.22
Acetone	0.014	0.85	0.85	1.03	1.04	1.14	0.96
Propionaldehyde	0.003	0.45	0.47	0.49	0.48	0.30	0.19
Crotonaldehyde	0.005	0.28	0.28	0.29	0.28	0.25	0.11
Butyr/Isobutyraldehyde	0.007	0.33	0.34	0.35	0.35	0.23	0.19
Benzaldehyde	0.001	0.06	0.06	0.06	0.06	0.04	0.03
Isovaleraldehyde	0.002	0.05	0.05	0.05	0.05	ND	0.01
Valeraldehyde	0.001	0.14	0.14	0.15	0.15	0.06	0.04
Tolualdehydes	0.004	0.05	0.05	0.05	0.05	0.03	0.02
Hexaldehyde	0.002	0.09	0.08	0.09	0.09	0.03	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

% Power failure during sampling.

D Diluted value.

u Under detection limit.

ND Not detected.

New Brunswick, NJ (NBNJ) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		35680 D1	35680 R1	35682 D2	35682 R2	%35835	35981
SAMPLE DATE		9/12/2003	9/12/2003	9/12/2003	9/12/2003	9/18/2003	9/24/2003
ANALYSIS DATE		10/16/2003	10/16/2003	10/16/2003	10/16/2003	10/28/2003	VOID
FILE NAME	MDL	F3JO038	F3JO039	F3JO040	F3JO041	F3J!012	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	2.43	2.45	2.46	2.43	2.75	
Acetaldehyde	0.014	2.04	2.05	2.10	2.08	1.99	
Acetone	0.014	0.51	0.52	0.59	0.58	0.71	
Propionaldehyde	0.003	0.21	0.20	0.21	0.21	0.22	
Crotonaldehyde	0.005	0.06	0.08	0.08	0.07	0.09	
Butyr/Isobutyraldehyde	0.007	0.14	0.16	0.17	0.18	0.16	
Benzaldehyde	0.001	0.02	0.02	0.02	0.02	0.03	
Isovaleraldehyde	0.002	0.01	0.01	0.01	0.01	0.01	
Valeraldehyde	0.001	0.04	0.04	0.05	0.05	0.05	
Tolualdehydes	0.004	0.01	0.01	0.01	0.01	0.02	
Hexaldehyde	0.002	0.03	0.03	0.03	0.03	0.03	
2,5-Dimethylbenzaldehyde	0.002	0.004	0.003	ND	ND	ND	

% Power failure during sampling.

D Diluted value.

u Under detection limit.

ND Not detected.

New Brunswick, NJ (NBNJ) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36020	36165	36191	36273 D1	36273 R1	36275 D2
SAMPLE DATE		9/30/2003	10/6/2003	10/12/2003	10/18/2003	10/18/2003	10/18/2003
ANALYSIS DATE		11/4/2003	11/12/2003	11/10/2003	11/26/2003	11/26/2003	11/26/2003
FILE NAME	MDL	V3KC029	V3KK019	V3KJ011	V3KX052	V3KX053	V3KX050
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	1.89	1.53	2.58	1.33	1.34	1.21
Acetaldehyde	0.014	1.31	1.19	2.21	1.47	1.46	1.28
Acetone	0.014	1.08	1.34	1.08	1.15	1.15	1.06
Propionaldehyde	0.003	0.13	0.11	0.17	0.08	0.08	0.07
Crotonaldehyde	0.005	0.05	0.04	0.08	0.03	0.03	0.03
Butyr/Isobutyraldehyde	0.007	0.15	0.14	0.19	0.14	0.18	0.16
Benzaldehyde	0.001	0.02	0.02	0.02	0.02	0.02	0.02
Isovaleraldehyde	0.002	0.01	0.01	0.01	0.002	0.002	0.001 u
Valeraldehyde	0.001	0.03	0.03	0.04	0.02	0.02	0.02
Tolualdehydes	0.004	0.01	0.01	0.01	0.01	0.02	0.01
Hexaldehyde	0.002	0.02	0.03	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

% Power failure during sampling.

D Diluted value.

u Under detection limit.

ND Not detected.

New Brunswick, NJ (NBNJ) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36275 R2	36386	36451	36574 D1	36574 R1	36578 D2
SAMPLE DATE		10/18/2003	10/24/2003	10/30/2003	11/5/2003	11/5/2003	11/5/2003
ANALYSIS DATE		11/26/2003	11/18/2003	12/11/2003	12/2/2003	12/2/2003	12/2/2003
FILE NAME	MDL	V3KX051	V3KQ020	F3LJ017	V3LA023	V3LA024	V3LA025
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	1.20	1.42	1.46	1.64	1.67	1.70
Acetaldehyde	0.014	1.27	1.87	1.53	1.97	1.97	2.02
Acetone	0.014	1.06	1.45	1.62	1.20	1.20	1.24
Propionaldehyde	0.003	0.06	0.06	0.07	0.13	0.13	0.12
Crotonaldehyde	0.005	0.03	0.03	0.03	0.05	0.05	0.04
Butyr/Isobutyraldehyde	0.007	0.16	0.11	0.13	0.26	0.27	0.27
Benzaldehyde	0.001	0.02	0.02	0.02	0.03	0.03	0.03
Isovaleraldehyde	0.002	0.01	ND	0.004	0.01	0.01	0.01
Valeraldehyde	0.001	0.02	0.02	0.02	0.03	0.03	0.03
Tolualdehydes	0.004	0.01	0.01	0.02	0.03	0.02	0.02
Hexaldehyde	0.002	0.02	0.01	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

% Power failure during sampling.

D Diluted value.

u Under detection limit.

ND Not detected.

New Brunswick, NJ (NBNJ) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36578 R2	36576	36818	36925 D1	36925 R1	36927 D2
SAMPLE DATE		11/5/2003	11/11/2003	11/23/2003	11/29/2003	11/29/2003	11/29/2003
ANALYSIS DATE		12/2/2003	12/15/2003	12/31/2003	12/31/2003	1/1/2004	1/1/2004
FILE NAME	MDL	V3LA026	V3LN010	F3L\$024	F3L%020	F3L%021	F3L%022
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	1.73	2.16	1.60	1.84	1.87	1.90
Acetaldehyde	0.014	2.02	2.88	2.32	1.15	1.15	1.13
Acetone	0.014	1.24	2.01	6.15	1.31	1.32	1.30
Propionaldehyde	0.003	0.13	0.15	0.11	0.04	0.05	0.05
Crotonaldehyde	0.005	0.05	0.05	0.04	0.03	0.03	0.03
Butyr/Isobutyraldehyde	0.007	0.28	0.28	0.17	0.11	0.12	0.12
Benzaldehyde	0.001	0.03	0.04	0.02	0.01	0.01	0.01
Isovaleraldehyde	0.002	0.01	0.02	0.01	ND	ND	ND
Valeraldehyde	0.001	0.03	0.03	0.02	0.01	0.01	0.01
Tolualdehydes	0.004	0.02	0.03	0.02	0.02	0.01	0.02
Hexaldehyde	0.002	0.02	0.02	0.02	0.01	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	0.01	0.01	0.004

% Power failure during sampling.

D Diluted value.

u Under detection limit.

ND Not detected.

New Brunswick, NJ (NBNJ) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36927 R2	37013	37110	37112	37193	37236
SAMPLE DATE		11/29/2003	12/5/03	12/11/03	12/14/03	12/17/03	12/23/03
ANALYSIS DATE		1/1/2004	1/11/04	1/23/04	VOID	1/30/04	2/4/04
FILE NAME	MDL	F3L%023	V4AK015	V4AV038	VOID	V4A#024	V4BB045
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	1.91	2.83	1.65		1.31	2.60
Acetaldehyde	0.014	1.13	2.96	0.91		0.94	1.86
Acetone	0.014	1.30	2.33	0.81		1.82	1.76
Propionaldehyde	0.003	0.05	0.09	0.06		0.06	0.08
Crotonaldehyde	0.005	0.03	0.06	0.02		0.03	0.04
Butyr/Isobutyraldehyde	0.007	0.12	0.22	0.10		0.18	0.12
Benzaldehyde	0.001	0.01	0.04	0.02		0.02	0.03
Isovaleraldehyde	0.002	ND	ND	ND		ND	0.005
Valeraldehyde	0.001	0.01	0.02	0.01		0.02	0.02
Tolualdehydes	0.004	0.02	0.04	0.02		0.02	0.03
Hexaldehyde	0.002	0.01	0.02	0.01		0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	0.002 u	ND	ND		ND	ND

% Power failure during sampling.

D Diluted value.

u Under detection limit.

ND Not detected.

New Brunswick, NJ (NBNJ) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		37340	37342
SAMPLE DATE		12/29/03	12/31/03
ANALYSIS DATE		2/5/04	2/5/04
FILE NAME	MDL	V4BD011	V4BD010
UNITS	ppbv	ppbv	ppbv
Formaldehyde	0.023	2.15	1.59
Acetaldehyde	0.014	1.94	1.27
Acetone	0.014	1.90	1.15
Propionaldehyde	0.003	0.09	0.07
Crotonaldehyde	0.005	0.03	0.03
Butyr/Isobutyraldehyde	0.007	0.13	0.08
Benzaldehyde	0.001	0.03	0.02
Isovaleraldehyde	0.002	0.01	0.004
Valeraldehyde	0.001	0.02	0.02
Tolualdehydes	0.004	0.02	0.02
Hexaldehyde	0.002	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND

% Power failure during sampling.

D Diluted value.

u Under detection limit.

ND Not detected.

New Brunswick, NJ (NBNJ) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	V3BL011 31542 FB 1/15/2003 2/12/2003	Meets Criteria (Y/N)	V3BZ022 31632 FB 1/21/2003 2/27/2003	Meets Criteria (Y/N)	V3CC020 31800 FB 2/2/2003 3/4/2003	Meets Criteria (Y/N)	F3CL012 32034 FB 2/20/2003 3/12/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.039	Y	0.059	Y	0.020	Y	0.032	Y
Acetaldehyde	<0.4	0.093	Y	0.104	Y	0.069	Y	0.068	Y
Acetone	<0.75	0.286	Y	0.219	Y	0.145	Y	0.194	Y
Propionaldehyde		0.017		0.008		0.007		0.006	
Crotonaldehyde		ND		ND		ND		0.004	
Butyraldehyde		0.050		0.064		0.086		0.125	
Benzaldehyde		0.014		0.016		0.014		0.019	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.007		0.006		ND		0.005	
Tolualdehydes		0.033		0.022		0.014		0.027	
Hexaldehyde		0.020		0.032		0.028		0.022	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.139	Y	0.147	Y	0.148	Y	0.207	Y

New Brunswick, NJ (NBNJ) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	VOID 32281 FB 3/10/2003 VOID	Meets Criteria (Y/N)	VOID 32346 FB 3/16/2003 VOID	Meets Criteria (Y/N)	V3EW005 32739 FB 4/15/2003 5/23/2003	Meets Criteria (Y/N)	V3E#020 32870 FB 4/21/2003 5/30/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3		Y		Y	0.024	Y	0.022	Y
Acetaldehyde	<0.4		Y		Y	0.030	Y	0.033	Y
Acetone	<0.75		Y		Y	0.118	Y	0.136	Y
Propionaldehyde						ND		0.009	
Crotonaldehyde						0.012		ND	
Butyraldehyde						0.104		0.110	
Benzaldehyde						0.015		0.011	
Isovaleraldehyde						ND		ND	
Valeraldehyde						ND		0.005	
Tolualdehydes						0.081		0.069	
Hexaldehyde						0.008		0.011	
2,5-Dimethylbenzaldehyde						ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0		Y		Y	0.219	Y	0.214	Y

New Brunswick, NJ (NBNJ) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	F3FE012 33170 FB 5/9/2003 6/5/2003	Meets Criteria (Y/N)	V3GG016 33389 FB 5/27/2003 7/7/2003	Meets Criteria (Y/N)	VOID 33669 FB 6/14/2003 VOID	Meets Criteria (Y/N)	V3G#015 33837 FB 6/20/2003 7/29/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.013	Y	0.107	Y		Y	0.071	Y
Acetaldehyde	<0.4	0.081	Y	0.082	Y		Y	0.082	Y
Acetone	<0.75	0.167	Y	0.126	Y		Y	0.173	Y
Propionaldehyde		0.007		0.008				0.009	
Crotonaldehyde		0.005		0.015				0.017	
Butyraldehyde		0.201		0.074				0.044	
Benzaldehyde		0.011		0.016				0.020	
Isovaleraldehyde		ND		ND				ND	
Valeraldehyde		ND		ND				0.009	
Tolualdehydes		0.011		0.060				0.039	
Hexaldehyde		0.016		0.017				0.011	
2,5-Dimethylbenzaldehyde		ND		ND				ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.250	Y	0.189	Y	0.000	Y	0.148	Y

New Brunswick, NJ (NBNJ) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	F3HN013 34243 FB 7/8/2003 8/14/2003	Meets Criteria (Y/N)	F3H~013 34632 FB 7/26/2003 8/27/2003	Meets Criteria (Y/N)	F3II027 35021 FB 8/13/2003 9/10/2003	Meets Criteria (Y/N)	F3I#020 35390 FB 8/31/2003 9/30/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.082	Y	0.057	Y	0.074	Y	0.043	Y
Acetaldehyde	<0.4	0.120	Y	0.111	Y	0.075	Y	0.111	Y
Acetone	<0.75	0.238	Y	0.257	Y	0.204	Y	0.281	Y
Propionaldehyde		0.007		0.009		0.006		0.013	
Crotonaldehyde		ND		0.016		0.011		0.018	
Butyraldehyde		0.075		0.058		0.150		0.119	
Benzaldehyde		0.011		0.014		0.012		0.016	
Isovaleraldehyde		0.003		ND		0.005		ND	
Valeraldehyde		0.004		0.009		0.013		0.017	
Tolualdehydes		0.068		0.035		0.025		0.023	
Hexaldehyde		0.003		0.015		0.020		0.024	
2,5-Dimethylbenzaldehyde		0.005		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.174	Y	0.154	Y	0.241	Y	0.229	Y

New Brunswick, NJ (NBNJ) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	V3JO022 35547 FB 9/6/2003 10/16/2003	Meets Criteria (Y/N)	F3JI011 35834 FB 9/18/2003 10/28/2003	Meets Criteria (Y/N)	V3KK018 36164 FB 10/6/2003 11/12/2003	Meets Criteria (Y/N)	V3KQ021 36385 FB 10/24/2003 11/18/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.031	Y	0.039	Y	0.036	Y	0.029	Y
Acetaldehyde	<0.4	0.097	Y	0.138	Y	0.167	Y	0.132	Y
Acetone	<0.75	0.262	Y	0.262	Y	0.253	Y	0.236	Y
Propionaldehyde		0.009		0.011		0.015		0.011	
Crotonaldehyde		0.016		0.014		0.017		ND	
Butyraldehyde		0.101		0.065		0.133		0.093	
Benzaldehyde		0.027		0.018		0.015		0.014	
Isovaleraldehyde		ND		ND		ND		0.007	
Valeraldehyde		0.010		0.011		0.008		0.004	
Tolualdehydes		0.036		0.044		0.036		0.031	
Hexaldehyde		0.025		0.021		0.030		0.035	
2,5-Dimethylbenzaldehyde		ND		ND		ND		0.004	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.223	Y	0.183	Y	0.253	Y	0.197	Y

New Brunswick, NJ (NBNJ) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	F3LJ018 36450 FB 10/30/2003 12/11/2003	Meets Criteria (Y/N)	V3LN012 36586 FB 11/5/2003 12/15/2003	Meets Criteria (Y/N)	F3L\$025 36817 FB 11/23/2003 12/31/2003	Meets Criteria (Y/N)	V4AV039 37109 FB 12/11/03 1/23/04	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.045	Y	0.039	Y	0.054	Y	0.039	Y
Acetaldehyde	<0.4	0.128	Y	0.060	Y	0.076	Y	0.061	Y
Acetone	<0.75	0.179	Y	0.107	Y	0.119	Y	0.102	Y
Propionaldehyde		0.016		ND		0.006		0.012	
Crotonaldehyde		0.009		0.035		0.010		0.025	
Butyraldehyde		0.140		0.154		0.152		0.095	
Benzaldehyde		0.015		0.013		0.013		0.029	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.010		ND		ND		0.010	
Tolualdehydes		0.050		0.060		0.044		0.067	
Hexaldehyde		0.016		0.015		0.012		0.026	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.255	Y	0.276	Y	0.236	Y	0.263	Y

New Brunswick, NJ (NBNJ) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V4BD012	Meets
FB ID	Criteria	37339 FB	Criteria
Sample date	per	12/29/03	
Date Analyzed	QAPP	2/5/04	(Y/N)
Formaldehyde	<0.3	0.048	Y
Acetaldehyde	<0.4	0.068	Y
Acetone	<0.75	0.095	Y
Propionaldehyde		ND	
Crotonaldehyde		0.016	
Butyraldehyde		0.060	
Benzaldehyde		0.012	
Isovaleraldehyde		ND	
Valeraldehyde		0.008	
Tolualdehydes		0.047	
Hexaldehyde		0.022	
2,5-Dimethylbenzaldehyde		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.163	Y

Orlando, FL (ORFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32638	32776	32815	32942	33114	33189
SAMPLE DATE		4/9/2003	4/15/2003	4/21/2003	4/27/2003	5/3/2003	5/9/2003
ANALYSIS DATE		5/9/2003	5/16/2003	5/20/2003	5/21/2003	6/4/2003	6/4/2003
FILE NAME	MDL	F3EH022	V3EO023	V3ES020	V3EU012	F3FC022	F3FC030
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	2.28	1.83	3.29	3.25	3.43	4.09
Acetaldehyde	0.013	1.25	1.10	1.29	1.30	1.40	1.25
Acetone	0.012	0.32	0.29	0.34	0.38	0.35	0.24
Propionaldehyde	0.003	0.13	0.15	0.18	0.15	NR	NR
Crotonaldehyde	0.004	0.11	0.08	0.14	0.14	0.34	0.27
Butyr/Isobutyraldehyde	0.006	0.14	0.10	0.11	0.10	0.15	0.14
Benzaldehyde	0.001	0.05	0.05	0.09	0.06	0.06	0.10
Isovaleraldehyde	0.001	0.01	0.01	0.01	0.01	0.01	0.01
Valeraldehyde	0.001	0.03	0.03	0.03	0.03	0.02	0.02
Tolualdehydes	0.003	0.02	0.02	0.02	0.02	0.03	0.03
Hexaldehyde	0.001	0.02	0.02	0.02	0.02	0.01	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	0.01	0.01	0.004	0.01

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Orlando, FL (ORFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		33261 D1	33261 R1	33262 D2	33262 R2	33365	33417
SAMPLE DATE		5/15/2003	5/15/2003	5/15/2003	5/15/2003	5/22/2003	5/29/2003
ANALYSIS DATE		6/5/2003	6/5/2003	6/6/2003	6/6/2003	6/30/2003	7/3/2003
FILE NAME	MDL	V3FE018	V3FE019	V3FE020	V3FE021	V3F\$018	V3GB025
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	5.05	5.01	5.18	5.17	1.77	3.31
Acetaldehyde	0.013	1.42	1.43	1.72	1.72	0.68	1.75
Acetone	0.012	0.35	0.35	0.45	0.45	0.17	0.54
Propionaldehyde	0.003	0.23	0.23	0.25	0.26	NR	NR
Crotonaldehyde	0.004	0.30	0.29	0.40	0.40	0.12	0.16
Butyr/Isobutyraldehyde	0.006	0.12	0.12	0.14	0.14	0.06	0.07
Benzaldehyde	0.001	0.10	0.11	0.12	0.12	0.05	0.05
Isovaleraldehyde	0.001	0.01	0.02	0.02	0.02	0.004	0.01
Valeraldehyde	0.001	0.05	0.05	0.06	0.06	0.01	0.02
Tolualdehydes	0.003	0.04	0.04	0.05	0.05	0.03	0.02
Hexaldehyde	0.001	0.03	0.03	0.03	0.03	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	0.02	0.02	0.01	0.01	0.003	0.01

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Orlando, FL (ORFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		33477	*33594	33685	33874	33969 D1	33969 R1
SAMPLE DATE		6/2/2003	6/8/2003	6/14/2003	6/20/2003	6/26/2003	6/26/2003
ANALYSIS DATE		7/9/2003	8/6/2003	7/27/2003	7/29/2003	7/31/2003	7/31/2003
FILE NAME	MDL	V3GG059	F3HF011	F3GZ033	F3GI031	F3G\$039	F3G\$040
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	2.81	0.10	1.74	0.45	3.20	3.23
Acetaldehyde	0.013	1.31	0.06	0.91	0.50	0.95	0.96
Acetone	0.012	0.38	0.09	0.19	0.13	0.37	0.37
Propionaldehyde	0.003	NR	0.006	0.05	NR	0.12	0.11
Crotonaldehyde	0.004	0.20	0.01	0.26	0.02	0.22	0.22
Butyr/Isobutyraldehyde	0.006	0.08	0.02	0.13	0.07	0.10	0.10
Benzaldehyde	0.001	0.11	0.005	0.04	0.02	0.04	0.04
Isovaleraldehyde	0.001	0.01	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.02	0.003	0.01	0.005	0.03	0.02
Tolualdehydes	0.003	0.03	0.01	0.02	0.02	0.06	0.03
Hexaldehyde	0.001	0.01	0.01	0.02	0.01	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	0.001 u	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Orlando, FL (ORFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		33970 D2	33970 R2	34165	34300	34365	34577
SAMPLE DATE		6/26/2003	6/26/2003	7/2/2003	7/9/2003	7/14/2003	7/20/2003
ANALYSIS DATE		7/31/2003	7/31/2003	8/7/2003	8/13/2003	8/18/2003	8/26/2003
FILE NAME	MDL	F3G\$041	F3G\$042	F3HF054	F3HM021	V3HR019	F3HY028
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	3.52	3.52	2.42	3.62	2.07	2.76
Acetaldehyde	0.013	1.22	1.22	0.80	1.48	0.77	0.81
Acetone	0.012	0.50	0.50	0.17	0.21	0.19	0.27
Propionaldehyde	0.003	0.12	0.12	0.11	0.17	0.08	0.09
Crotonaldehyde	0.004	0.31	0.31	0.19	0.32	0.25	0.33
Butyr/Isobutyraldehyde	0.006	0.11	0.11	0.07	0.10	0.08	0.07
Benzaldehyde	0.001	0.05	0.05	0.05	0.06	0.04	0.03
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.02	0.02	0.01	0.02	0.01	0.02
Tolualdehydes	0.003	0.04	0.03	0.02	0.03	0.02	0.03
Hexaldehyde	0.001	0.02	0.02	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Orlando, FL (ORFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		34727	34878	34879	35058	35171	35281
SAMPLE DATE		7/26/2003	8/1/2003	8/7/2003	8/13/2003	8/19/2003	8/25/2003
ANALYSIS DATE		8/29/2003	9/4/2003	9/8/2003	9/9/2003	9/16/2003	9/26/2003
FILE NAME	MDL	F3H!020	V3IC028	V3IH014	F3II011	F3IO018	F3IY012
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	1.73	2.76	1.79	1.10	1.63	1.68
Acetaldehyde	0.013	0.76	1.51	0.83	0.53	1.02	0.79
Acetone	0.012	0.20	0.27	0.25	0.13	0.21	0.22
Propionaldehyde	0.003	0.08	0.11	0.11	0.05	0.12	0.09
Crotonaldehyde	0.004	0.33	0.30	0.14	0.16	0.20	0.23
Butyr/Isobutyraldehyde	0.006	0.05	0.06	0.06	0.08	0.09	0.09
Benzaldehyde	0.001	0.03	0.05	0.04	0.03	0.04	0.04
Isovaleraldehyde	0.001	ND	ND	0.01	ND	0.01	ND
Valeraldehyde	0.001	0.01	0.02	0.02	0.01	0.01	0.02
Tolualdehydes	0.003	0.02	0.02	0.02	0.02	0.01	0.02
Hexaldehyde	0.001	0.02	0.01	0.02	0.01	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Orlando, FL (ORFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		35414	35624	35764 D1	35764 R1	35765 D2	35765 R2
SAMPLE DATE		8/31/2003	9/6/2003	9/12/2003	9/12/2003	9/12/2003	9/12/2003
ANALYSIS DATE		10/7/2003	10/16/2003	10/21/2003	10/21/2003	10/21/2003	10/21/2003
FILE NAME	MDL	V3JF018	V3JO036	F3JT035	F3JT036	F3JT033	F3JT034
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	1.37	1.29	1.84	1.85	1.97	2.03
Acetaldehyde	0.013	0.66	0.76	1.24	1.24	1.52	1.53
Acetone	0.012	0.20	0.20	0.25	0.25	0.35	0.35
Propionaldehyde	0.003	0.05	0.05	0.07	0.07	0.08	0.08
Crotonaldehyde	0.004	0.15	0.19	0.25	0.25	0.33	0.34
Butyr/Isobutyraldehyde	0.006	0.05	0.08	0.05	0.05	0.06	0.07
Benzaldehyde	0.001	0.01	0.05	0.03	0.03	0.03	0.03
Isovaleraldehyde	0.001	ND	0.01	0.005	0.004	0.01	0.004
Valeraldehyde	0.001	0.01	0.01	0.01	0.01	0.01	0.01
Tolualdehydes	0.003	0.01	0.02	0.03	0.03	0.03	0.03
Hexaldehyde	0.001	0.01	0.02	0.02	0.02	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Orlando, FL (ORFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		35926	35925	36067	36204	36206	36322
SAMPLE DATE		9/18/2003	9/24/2003	9/30/2003	10/6/2003	10/12/2003	10/18/2003
ANALYSIS DATE		10/29/2003	10/28/2003	11/4/2003	11/11/2003	11/11/2003	11/25/2003
FILE NAME	MDL	F3J!024	V3J~016	V3KC021	V3KJ022	V3KJ021	V3KX036
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	3.37	1.75	1.12	1.73	1.89	1.75
Acetaldehyde	0.013	2.07	0.79	0.69	1.37	1.19	1.37
Acetone	0.012	0.44	0.16	0.13	0.16	0.40	0.27
Propionaldehyde	0.003	0.15	0.07	0.04	0.08	0.10	0.08
Crotonaldehyde	0.004	0.25	0.20	0.09	0.20	0.16	0.12
Butyr/Isobutyraldehyde	0.006	0.11	0.08	0.05	0.08	0.09	0.11
Benzaldehyde	0.001	0.05	0.04	0.02	0.04	0.04	0.03
Isovaleraldehyde	0.001	0.01	0.01	0.002	0.01	0.004	0.002
Valeraldehyde	0.001	0.02	0.01	0.01	0.01	0.01	0.01
Tolualdehydes	0.003	0.04	0.02	0.01	0.02	0.02	0.02
Hexaldehyde	0.001	0.02	0.02	0.01	0.01	0.02	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Orlando, FL (ORFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36728 D1	36729 D2	36404	36529	36604	36730
SAMPLE DATE		10/24/2003	10/24/2003	10/30/2003	11/5/2003	11/11/2003	11/17/2003
ANALYSIS DATE		VOID	VOID	12/5/2003	12/12/2003	12/16/2003	12/28/2003
FILE NAME	MDL	VOID	VOID	V3LD020	F3LK021	V3LN024	F3LI020
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021			1.44	1.20	0.91	1.71
Acetaldehyde	0.013			1.36	0.63	0.97	1.20
Acetone	0.012			0.30	0.17	0.19	0.22
Propionaldehyde	0.003			0.09	0.06	0.06	0.11
Crotonaldehyde	0.004			0.07	0.10	0.08	0.09
Butyr/Isobutyraldehyde	0.006			0.18	0.09	0.14	0.14
Benzaldehyde	0.001			0.03	0.03	0.03	0.03
Isovaleraldehyde	0.001			0.004	0.004	0.005	0.01
Valeraldehyde	0.001			0.01	0.01	0.01	0.02
Tolualdehydes	0.003			0.01	0.01	0.01	0.01
Hexaldehyde	0.001			0.01	0.02	0.01	0.02
2,5-Dimethylbenzaldehyde	0.002			ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Orlando, FL (ORFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36853 D1	36853 R1	36854 D2	36854 R2	36856	36952
SAMPLE DATE		11/20/2003	11/20/2003	11/20/2003	11/20/2003	11/23/2003	11/29/2003
ANALYSIS DATE		12/18/2003	12/18/2003	12/18/2003	12/18/2003	12/30/2003	1/8/2004
FILE NAME	MDL	V3LQ024	V3LQ025	V3LQ022	V3LQ023	V3L\$013	F4AH013
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	2.40	2.40	1.58	1.58	1.53	1.47
Acetaldehyde	0.013	1.29	1.30	1.48	1.47	1.43	1.37
Acetone	0.012	0.31	0.31	0.91	0.90	0.71	1.02
Propionaldehyde	0.003	0.13	0.13	0.07	0.07	0.08	0.05
Crotonaldehyde	0.004	0.08	0.08	0.08	0.08	0.07	0.05
Butyr/Isobutyraldehyde	0.006	0.17	0.18	0.18	0.17	0.15	0.12
Benzaldehyde	0.001	0.05	0.06	0.03	0.03	0.03	0.02
Isovaleraldehyde	0.001	0.01	0.01	0.01	0.005	0.01	0.003
Valeraldehyde	0.001	0.03	0.03	0.02	0.01	0.02	0.01
Tolualdehydes	0.003	0.02	0.02	0.02	0.02	0.02	0.02
Hexaldehyde	0.001	0.02	0.03	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	0.005

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Orlando, FL (ORFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		37056	37058	37162	37225	37322
SAMPLE DATE		12/5/2003	12/11/2003	12/17/2003	12/23/2003	12/29/2003
ANALYSIS DATE		1/12/2004	1/14/2004	1/30/2004	2/4/2004	2/7/2004
FILE NAME	MDL	V4AK024	V4AN008	V4A#028	V4BB056	V4BG015
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	3.03	2.74	1.35	1.87	2.15
Acetaldehyde	0.013	1.58	1.64	1.03	1.14	1.33
Acetone	0.012	0.47	1.16	0.59	0.58	0.34
Propionaldehyde	0.003	0.17	0.10	0.07	0.12	0.15
Crotonaldehyde	0.004	0.07	0.06	0.03	0.04	0.04
Butyr/Isobutyraldehyde	0.006	0.20	0.16	0.13	0.12	0.14
Benzaldehyde	0.001	0.05	0.04	0.03	0.05	0.04
Isovaleraldehyde	0.001	0.01	0.01	0.005	0.01	0.01
Valeraldehyde	0.001	0.04	0.02	0.02	0.04	0.04
Tolualdehydes	0.003	0.03	0.04	0.02	0.04	0.04
Hexaldehyde	0.001	0.03	0.02	0.02	0.05	0.04
2,5-Dimethylbenzaldehyde	0.002	0.01	0.01	ND	ND	0.01

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Orlando, FL (ORFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	32638	32776	32815	32942	33114	33189
SAMPLE DATE	4/9/2003	4/15/2003	4/21/2003	4/27/2003	5/3/2003	5/9/2003
ANALYSIS DATE	5/9/2003	5/16/2003	5/20/2003	5/21/2003	6/4/2003	6/4/2003
FILE NAME	F3EH022	V3EO023	V3ES020	V3EU012	F3FC022	F3FC030
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	2.80	2.25	4.05	4.00	4.22	5.04
Acetaldehyde	2.26	1.99	2.33	2.35	2.53	2.26
Acetone	0.76	0.70	0.80	0.91	0.83	0.57
Propionaldehyde	0.30	0.37	0.42	0.36	NR	NR
Crotonaldehyde	0.31	0.22	0.41	0.41	0.98	0.77
Butyr/Isobutyraldehyde	0.41	0.29	0.34	0.30	0.43	0.42
Benzaldehyde	0.21	0.20	0.40	0.28	0.26	0.44
Isovaleraldehyde	0.03	0.03	0.04	0.05	0.03	0.04
Valeraldehyde	0.11	0.11	0.12	0.11	0.08	0.08
Tolualdehydes	0.11	0.10	0.11	0.08	0.14	0.17
Hexaldehyde	0.10	0.08	0.10	0.08	0.06	0.08
2,5-Dimethylbenzaldehyde	ND	ND	0.03	0.06	0.02	0.04

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Orlando, FL (ORFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	33261 D1	33261 R1	33262 D2	33262 R2	33365	33417
SAMPLE DATE	5/15/2003	5/15/2003	5/15/2003	5/15/2003	5/22/2003	5/29/2003
ANALYSIS DATE	6/5/2003	6/5/2003	6/6/2003	6/6/2003	6/30/2003	7/3/2003
FILE NAME	V3FE018	V3FE019	V3FE020	V3FE021	V3F\$018	V3GB025
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	6.21	6.17	6.38	6.37	2.18	4.08
Acetaldehyde	2.57	2.58	3.10	3.10	1.22	3.16
Acetone	0.83	0.84	1.07	1.07	0.41	1.29
Propionaldehyde	0.55	0.54	0.60	0.61	NR	NR
Crotonaldehyde	0.86	0.82	1.14	1.15	0.35	0.45
Butyr/Isobutyraldehyde	0.35	0.37	0.41	0.41	0.18	0.21
Benzaldehyde	0.42	0.46	0.54	0.52	0.20	0.23
Isovaleraldehyde	0.05	0.07	0.08	0.07	0.01	0.02
Valeraldehyde	0.17	0.16	0.22	0.20	0.05	0.07
Tolualdehydes	0.18	0.20	0.25	0.23	0.13	0.09
Hexaldehyde	0.12	0.13	0.13	0.13	0.06	0.06
2,5-Dimethylbenzaldehyde	0.08	0.09	0.06	0.07	0.02	0.03

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Orlando, FL (ORFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	33477	*33594	33685	33874	33969 D1	33969 R1
SAMPLE DATE	6/2/2003	6/8/2003	6/14/2003	6/20/2003	6/26/2003	6/26/2003
ANALYSIS DATE	7/9/2003	8/6/2003	7/27/2003	7/29/2003	7/31/2003	7/31/2003
FILE NAME	V3GG059	F3HF011	F3GZ033	F3G!031	F3G\$039	F3G\$040
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	3.46	0.13	2.14	0.55	3.94	3.98
Acetaldehyde	2.37	0.11	1.64	0.91	1.71	1.73
Acetone	0.91	0.22	0.45	0.30	0.89	0.89
Propionaldehyde	NR	0.01	0.11	NR	0.28	0.27
Crotonaldehyde	0.59	0.02	0.75	0.05	0.64	0.64
Butyr/Isobutyraldehyde	0.23	0.07	0.38	0.22	0.31	0.30
Benzaldehyde	0.50	0.02	0.18	0.10	0.16	0.18
Isovaleraldehyde	0.04	ND	ND	ND	ND	ND
Valeraldehyde	0.09	0.01	0.04	0.02	0.09	0.08
Tolualdehydes	0.14	0.05	0.11	0.09	0.28	0.13
Hexaldehyde	0.05	0.03	0.07	0.04	0.08	0.08
2,5-Dimethylbenzaldehyde	ND	ND	ND	0.01	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Orlando, FL (ORFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	33970 D2	33970 R2	34165	34300	34365	34577
SAMPLE DATE	6/26/2003	6/26/2003	7/2/2003	7/9/2003	7/14/2003	7/20/2003
ANALYSIS DATE	7/31/2003	7/31/2003	8/7/2003	8/13/2003	8/18/2003	8/26/2003
FILE NAME	F3G\$041	F3G\$042	F3HF054	F3HM021	V3HR019	F3HY028
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	4.34	4.33	2.97	4.45	2.55	3.40
Acetaldehyde	2.21	2.20	1.45	2.67	1.40	1.46
Acetone	1.19	1.18	0.39	0.49	0.45	0.63
Propionaldehyde	NR	NR	0.25	0.39	0.18	NR
Crotonaldehyde	0.89	0.89	0.53	0.91	0.71	0.96
Butyr/Isobutyraldehyde	0.32	0.32	0.21	0.31	0.24	0.21
Benzaldehyde	0.22	0.21	0.20	0.26	0.19	0.15
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.09	0.09	0.05	0.08	0.05	0.06
Tolualdehydes	0.17	0.14	0.12	0.13	0.09	0.16
Hexaldehyde	0.09	0.10	0.07	0.08	0.07	0.07
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Orlando, FL (ORFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	34727	34878	34879	35058	35171	35281
SAMPLE DATE	7/26/2003	8/1/2003	8/7/2003	8/13/2003	8/19/2003	8/25/2003
ANALYSIS DATE	8/29/2003	9/4/2003	9/8/2003	9/9/2003	9/16/2003	9/26/2003
FILE NAME	F3H!020	V3!C028	V3!H014	F3!I011	F3!O018	F3!Y012
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	2.13	3.40	2.20	1.36	2.01	2.07
Acetaldehyde	1.37	2.73	1.49	0.95	1.84	1.42
Acetone	0.48	0.65	0.58	0.31	0.50	0.52
Propionaldehyde	0.19	0.27	0.26	0.11	0.30	0.22
Crotonaldehyde	0.95	0.86	0.41	0.46	0.57	0.65
Butyr/Isobutyraldehyde	0.16	0.19	0.18	0.25	0.26	0.28
Benzaldehyde	0.11	0.22	0.16	0.12	0.17	0.16
Isovaleraldehyde	ND	ND	0.04	ND	0.04	ND
Valeraldehyde	0.04	0.06	0.06	0.02	0.05	0.06
Tolualdehydes	0.11	0.11	0.12	0.08	0.07	0.11
Hexaldehyde	0.08	0.05	0.08	0.04	0.07	0.07
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Orlando, FL (ORFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	35414	35624	35764 D1	35764 R1	35765 D2	35765 R2
SAMPLE DATE	8/31/2003	9/6/2003	9/12/2003	9/12/2003	9/12/2003	9/12/2003
ANALYSIS DATE	10/7/2003	10/16/2003	10/21/2003	10/21/2003	10/21/2003	10/21/2003
FILE NAME	V3JF018	V3JO036	F3JT035	F3JT036	F3JT033	F3JT034
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	1.69	1.59	2.27	2.27	2.42	2.50
Acetaldehyde	1.19	1.37	2.24	2.24	2.74	2.75
Acetone	0.47	0.49	0.60	0.60	0.83	0.83
Propionaldehyde	0.11	0.12	0.17	0.17	0.19	0.18
Crotonaldehyde	0.44	0.56	0.71	0.71	0.95	0.99
Butyr/Isobutyraldehyde	0.15	0.25	0.14	0.15	0.18	0.19
Benzaldehyde	0.05	0.20	0.13	0.14	0.13	0.13
Isovaleraldehyde	ND	0.02	0.02	0.01	0.02	0.02
Valeraldehyde	0.02	0.03	0.04	0.04	0.04	0.03
Tolualdehydes	0.06	0.09	0.12	0.17	0.16	0.15
Hexaldehyde	0.05	0.06	0.07	0.07	0.05	0.06
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Orlando, FL (ORFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	35926	35925	36067	36204	36206	36322
SAMPLE DATE	9/18/2003	9/24/2003	9/30/2003	10/6/2003	10/12/2003	10/18/2003
ANALYSIS DATE	10/29/2003	10/28/2003	11/4/2003	11/11/2003	11/11/2003	11/25/2003
FILE NAME	F3J1024	V3J~016	V3KC021	V3KJ022	V3KJ021	V3KX036
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	4.15	2.15	1.38	2.12	2.32	2.15
Acetaldehyde	3.75	1.42	1.24	2.47	2.16	2.48
Acetone	1.04	0.39	0.31	0.39	0.95	0.65
Propionaldehyde	0.36	0.17	0.09	0.20	0.23	0.19
Crotonaldehyde	0.70	0.57	0.25	0.56	0.46	0.34
Butyr/Isobutyraldehyde	0.32	0.23	0.15	0.24	0.27	0.31
Benzaldehyde	0.20	0.19	0.08	0.17	0.15	0.13
Isovaleraldehyde	0.04	0.02	0.01	0.02	0.01	0.01
Valeraldehyde	0.08	0.04	0.03	0.04	0.05	0.04
Tolualdehydes	0.20	0.10	0.06	0.09	0.09	0.09
Hexaldehyde	0.08	0.06	0.04	0.05	0.06	0.05
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Orlando, FL (ORFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	36728 D1	36729 D2	36404	36529	36604	36730
SAMPLE DATE	10/24/2003	10/24/2003	10/30/2003	11/5/2003	11/11/2003	11/17/2003
ANALYSIS DATE	VOID	VOID	12/5/2003	12/12/2003	12/16/2003	12/28/2003
FILE NAME	VOID	VOID	V3LD020	F3LK021	V3LN024	F3L!020
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde			1.77	1.47	1.12	2.10
Acetaldehyde			2.46	1.14	1.76	2.17
Acetone			0.70	0.40	0.44	0.53
Propionaldehyde			0.21	0.13	0.15	0.26
Crotonaldehyde			0.21	0.28	0.24	0.27
Butyr/Isobutyraldehyde			0.53	0.28	0.42	0.41
Benzaldehyde			0.12	0.13	0.12	0.15
Isovaleraldehyde			0.01	0.01	0.02	0.02
Valeraldehyde			0.04	0.04	0.04	0.07
Tolualdehydes			0.07	0.05	0.06	0.07
Hexaldehyde			0.05	0.07	0.05	0.08
2,5-Dimethylbenzaldehyde			ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Orlando, FL (ORFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	36853 D1	36853 R1	36854 D2	36854 R2	36856	36952
SAMPLE DATE	11/20/2003	11/20/2003	11/20/2003	11/20/2003	11/23/2003	11/29/2003
ANALYSIS DATE	12/18/2003	12/18/2003	12/18/2003	12/18/2003	12/30/2003	1/8/2004
FILE NAME	V3LQ024	V3LQ025	V3LQ022	V3LQ023	V3L\$013	F4AH013
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	2.96	2.96	1.95	1.94	1.89	1.81
Acetaldehyde	2.33	2.34	2.68	2.65	2.59	2.47
Acetone	0.74	0.75	2.17	2.14	1.68	2.43
Propionaldehyde	0.30	0.32	0.17	0.16	0.18	0.12
Crotonaldehyde	0.23	0.23	0.24	0.24	0.21	0.14
Butyr/Isobutyraldehyde	0.50	0.54	0.53	0.52	0.44	0.36
Benzaldehyde	0.22	0.25	0.14	0.15	0.15	0.09
Isovaleraldehyde	0.03	0.05	0.03	0.02	0.02	0.01
Valeraldehyde	0.11	0.11	0.06	0.05	0.06	0.05
Tolualdehydes	0.11	0.11	0.10	0.10	0.11	0.11
Hexaldehyde	0.10	0.11	0.08	0.09	0.09	0.07
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	0.03

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Orlando, FL (ORFL) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	37056	37058	37162	37225	37322
SAMPLE DATE	12/5/2003	12/11/2003	12/17/2003	12/23/2003	12/29/2003
ANALYSIS DATE	1/12/2004	1/14/2004	1/30/2004	2/4/2004	2/7/2004
FILE NAME	V4AK024	V4AN008	V4A#028	V4BB056	V4BG015
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	3.73	3.37	1.66	2.31	2.65
Acetaldehyde	2.85	2.97	1.85	2.05	2.40
Acetone	1.13	2.77	1.41	1.38	0.80
Propionaldehyde	0.39	0.23	0.17	0.29	0.36
Crotonaldehyde	0.21	0.16	0.08	0.12	0.12
Butyr/Isobutyraldehyde	0.58	0.48	0.38	0.34	0.40
Benzaldehyde	0.21	0.17	0.11	0.20	0.18
Isovaleraldehyde	0.05	0.03	0.02	0.03	0.04
Valeraldehyde	0.13	0.08	0.07	0.13	0.15
Tolualdehydes	0.17	0.17	0.10	0.18	0.19
Hexaldehyde	0.12	0.10	0.08	0.19	0.16
2,5-Dimethylbenzaldehyde	0.06	0.04	ND	ND	0.03

* Analyzed out of hold time.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Orlando, FL (ORFL) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance Criteria per QAPP	V3EO024 32775 4/15/2003 5/16/2003	Meets Criteria (Y/N)	V3ES021 32814 FB 4/21/2003 5/20/2003	Meets Criteria (Y/N)	V3GB026 33416 FB 5/29/2003 7/3/2003	Meets Criteria (Y/N)	F3GZ034 33684 FB 6/14/2003 7/27/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.03	Y	0.02	Y	0.04	Y	0.05	Y
Acetaldehyde	<0.4	0.05	Y	0.04	Y	0.06	Y	0.06	Y
Acetone	<0.75	0.18	Y	0.14	Y	0.14	Y	0.14	Y
Propionaldehyde		0.01		0.005		0.01		0.00	
Crotonaldehyde		0.01		0.02		0.02		0.03	
Butyraldehyde		0.10		0.14		0.06		0.27	
Benzaldehyde		0.01		0.01		0.02		0.01	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.003		ND		0.01		0.01	
Tolualdehydes		0.02		0.03		0.04		0.03	
Hexaldehyde		0.03		0.02		0.02		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.188	Y	0.223	Y	0.156	Y	0.374	Y

Orlando, FL (ORFL) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	F3G1032	Meets	F3HM022	Meets	F3H1021	Meets	F3H1012	Meets
FB ID	Criteria	33873 FB	Criteria	34299 FB	Criteria	34726 FB	Criteria	35057 FB	Criteria
Sample date	per	6/20/2003		7/9/2003		7/26/2003		8/13/2003	
Date Analyzed	QAPP	7/29/2003	(Y/N)	8/13/2003	(Y/N)	8/29/2003	(Y/N)	9/9/2003	(Y/N)
Formaldehyde	<0.3	0.12	Y	0.02	Y	0.02	Y	0.02	Y
Acetaldehyde	<0.4	0.15	Y	0.05	Y	0.11	Y	0.06	Y
Acetone	<0.75	0.26	Y	0.14	Y	0.22	Y	0.15	Y
Propionaldehyde		0.01		0.004		0.01		0.01	
Crotonaldehyde		0.01		0.02		0.06		0.05	
Butyraldehyde		0.30		0.02		0.05		0.15	
Benzaldehyde		0.02		0.02		0.02		0.01	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.02		ND		0.004		0.005	
Tolualdehydes		0.04		0.02		0.07		0.06	
Hexaldehyde		0.03		0.02		0.04		0.04	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.425	Y	0.092	Y	0.240	Y	0.321	Y

Orlando, FL (ORFL) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance Criteria per QAPP	V3JF017 35413 FB 8/31/2003 10/7/2003	Meets Criteria (Y/N)	V3JO037 35625 FB 9/6/2003 10/16/2003	Meets Criteria (Y/N)	V3J~017 35924 FB 9/24/2003 10/28/2003	Meets Criteria (Y/N)	V3KJ023 36205 FB 10/12/2003 11/11/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.02	Y	0.039	Y	0.026	Y	0.021	Y
Acetaldehyde	<0.4	0.05	Y	0.074	Y	0.062	Y	0.093	Y
Acetone	<0.75	0.14	Y	0.172	Y	0.139	Y	0.154	Y
Propionaldehyde		ND		0.005		0.001		0.007	
Crotonaldehyde		0.05		0.079		0.016		0.016	
Butyraldehyde		0.05		0.126		0.087		0.107	
Benzaldehyde		0.01		0.016		0.013		0.018	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		ND		0.008		ND		0.006	
Tolualdehydes		0.04		0.036		0.023		0.034	
Hexaldehyde		0.03		0.042		0.011		0.014	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.175	Y	0.310	Y	0.150	Y	0.200	Y

Orlando, FL (ORFL) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3LD019	Meets	F3LK020	Meets	V3L\$018	Meets	V4AN007	Meets
FB ID	Criteria	36405 FB	Criteria	36528 FB	Criteria	36855 FB	Criteria	37057 FB	Criteria
Sample date	per	10/30/2003		11/5/2003		11/23/2003		12/11/2003	
Date Analyzed	QAPP	12/5/2003	(Y/N)	12/12/2003	(Y/N)	12/30/2003	(Y/N)	1/14/2004	(Y/N)
Formaldehyde	<0.3	0.028	Y	0.034	Y	0.035	Y	0.031	Y
Acetaldehyde	<0.4	0.123	Y	0.120	Y	0.053	Y	0.043	Y
Acetone	<0.75	0.171	Y	0.169	Y	0.097	Y	0.111	Y
Propionaldehyde		0.010		0.010		0.002		0.003	
Crotonaldehyde		0.015		0.039		0.025		0.017	
Butyraldehyde		0.173		0.162		0.203		0.134	
Benzaldehyde		0.030		0.013		0.014		0.017	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.010		0.007		ND		0.004	
Tolualdehydes		0.047		0.020		0.070		0.064	
Hexaldehyde		0.018		0.039		0.010		0.015	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.302	Y	0.289	Y	0.324	Y	0.253	Y

Orlando, FL (ORFL) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V4BG014	Meets
FB ID	Criteria	37321 FB	Criteria
Sample date	per	12/29/2003	
Date Analyzed	QAPP	2/7/2004	(Y/N)
Formaldehyde	<0.3	0.036	Y
Acetaldehyde	<0.4	0.056	Y
Acetone	<0.75	0.109	Y
Propionaldehyde		0.004	
Crotonaldehyde		0.016	
Butyraldehyde		0.097	
Benzaldehyde		0.021	
Isovaleraldehyde		ND	
Valeraldehyde		ND	
Tolualdehydes		0.055	
Hexaldehyde		0.027	
2,5-Dimethylbenzaldehyde		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.218	Y

Pascagoula, MS (PGMS) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31451	31569	31740 D1	31740 R1	31741 D2	31741 R2
SAMPLE DATE		1/3/2003	1/15/2003	1/27/2003	1/27/2003	1/27/2003	1/27/2003
ANALYSIS DATE		2/6/2003	2/25/2003	2/28/2003	2/28/2003	2/28/2003	2/28/2003
FILE NAME	MDL	V3BE028	V3BX020	F3BZ013	F3BZ014	F3BZ015	F3BZ016
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.020	2.34	4.46	2.76	2.76	2.81	2.81
Acetaldehyde	0.012	1.12	1.45	1.43	1.44	1.43	1.46
Acetone	0.011	1.80	1.97	2.01	2.01	2.00	2.01
Propionaldehyde	0.003	0.10	0.15	0.20	0.19	0.20	0.20
Crotonaldehyde	0.004	0.02	0.02	0.02	0.02	0.02	0.02
Butyr/Isobutyraldehyde	0.006	0.16	0.22	0.18	0.17	0.18	0.18
Benzaldehyde	0.001	0.06	0.05	0.07	0.05	0.06	0.05
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.03	0.06	0.04	0.04	0.04	0.04
Tolualdehydes	0.003	0.07	0.06	0.04	0.04	0.04	0.04
Hexaldehyde	0.001	0.04	0.08	0.04	0.04	0.04	0.04
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

D Diluted value.

ND Not detected.

NR Not reported due to co-eluting compound.

Pascagoula, MS (PGMS) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31895	32062	32238	32385	32508	32649
SAMPLE DATE		2/8/2003	2/20/2003	3/4/2003	3/16/2003	3/28/2003	4/9/2003
ANALYSIS DATE		3/11/2003	3/12/2003	4/5/2003	4/25/2003	4/30/2003	5/7/2003
FILE NAME	MDL	V3CJ013	V3CL012	F3DC021	F3DX021	F3D\$016	F3EF038
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.020	2.02	7.60	1.60	2.15	2.72	4.16
Acetaldehyde	0.012	0.99	1.51	0.60	0.72	1.14	0.99
Acetone	0.011	1.11	0.53	0.31	0.16	0.24	0.88
Propionaldehyde	0.003	0.07	0.16	0.04	0.05	0.06	0.09
Crotonaldehyde	0.004	0.01	0.01	0.04	0.03	0.04	0.05
Butyr/Isobutyraldehyde	0.006	0.11	0.16	0.09	0.14	0.12	0.15
Benzaldehyde	0.001	0.03	0.03	0.02	0.02	0.05	0.03
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.10	0.01	0.01	0.02	0.03
Tolualdehydes	0.003	0.04	0.05	0.02	0.01	0.02	0.02
Hexaldehyde	0.001	0.03	0.12	0.02	0.02	0.01	0.03
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

D Diluted value.

ND Not detected.

NR Not reported due to co-eluting compound.

Pascagoula, MS (PGMS) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32842	33094	33282 D1	33282 R1	33284 D2	33284 R2
SAMPLE DATE		4/21/2003	5/3/2003	5/15/2003	5/15/2003	5/15/2003	5/15/2003
ANALYSIS DATE		5/19/2003	6/2/2003	6/25/2003	6/25/2003	6/25/2003	6/25/2003
FILE NAME	MDL	V3ES009	F3FB010	V3FX036	V3FX037	V3FX038	V3FX039
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.020	1.97	5.47	1.80	1.81	1.95	1.93
Acetaldehyde	0.012	1.25	2.14	0.59	0.59	0.85	0.85
Acetone	0.011	0.47	0.40	0.12	0.12	0.14	0.14
Propionaldehyde	0.003	0.20	NR	NR	NR	NR	NR
Crotonaldehyde	0.004	0.08	0.08	0.04	0.03	0.03	0.03
Butyr/Isobutyraldehyde	0.006	0.13	0.20	0.08	0.07	0.08	0.08
Benzaldehyde	0.001	0.05	0.02	0.02	0.02	0.02	0.02
Isovaleraldehyde	0.001	0.01	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.06	0.03	0.03	0.03	0.03	0.03
Tolualdehydes	0.003	0.03	0.01	0.01	0.01	0.01	0.01
Hexaldehyde	0.001	0.10	0.02	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

D Diluted value.

ND Not detected.

NR Not reported due to co-eluting compound.

Pascagoula, MS (PGMS) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		33436	*33672	33923	34180	34480 D1	34480 R1
SAMPLE DATE		5/27/2003	6/8/2003	6/20/2003	7/2/2003	7/14/2003	7/14/2003
ANALYSIS DATE		7/8/2003	7/25/2003	7/28/2003	8/7/2003	8/18/2003	8/18/2003
FILE NAME	MDL	V3GG033	F3GX024	F3G!019	F3HF038	F3HR009	F3HR010
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.020	1.38	0.76	0.75	0.87	0.54	0.56
Acetaldehyde	0.012	1.49	0.99	0.52	0.66	0.19	0.20
Acetone	0.011	0.41	0.30	0.15	0.12	0.07	0.07
Propionaldehyde	0.003	0.09	0.02	0.01	0.01	0.02	0.02
Crotonaldehyde	0.004	0.12	0.09	0.05	0.05	0.03	0.03
Butyr/Isobutyraldehyde	0.006	0.06	0.15	0.07	0.04	0.03	0.04
Benzaldehyde	0.001	0.04	0.02	0.01	0.01	0.01	0.01
Isovaleraldehyde	0.001	0.01	ND	ND	ND	0.01	0.01
Valeraldehyde	0.001	0.03	0.01	0.01	0.01	0.02	0.02
Tolualdehydes	0.003	0.01	0.02	0.01	0.02	0.01	0.01
Hexaldehyde	0.001	0.02	0.01	0.02	0.01	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

D Diluted value.

ND Not detected.

NR Not reported due to co-eluting compound.

Pascagoula, MS (PGMS) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		34482 D2	34482 R2	34693	34904	35183	35433
SAMPLE DATE		7/14/2003	7/14/2003	7/26/2003	8/7/2003	8/19/2003	8/31/2003
ANALYSIS DATE		8/18/2003	8/18/2003	9/3/2003	8/20/2003	9/23/2003	10/7/2003
FILE NAME	MDL	F3HR007	F3HR008	V3IB017	V3HS024	F3IV019	V3JF025
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.020	0.43	0.45	0.56	0.46	0.31	0.40
Acetaldehyde	0.012	0.22	0.25	0.34	0.29	0.24	0.18
Acetone	0.011	0.07	0.08	0.14	0.09	0.10	0.07
Propionaldehyde	0.003	0.02	0.02	0.01	0.01	0.01	0.01
Crotonaldehyde	0.004	0.03	0.03	0.02	0.05	0.03	0.03
Butyr/Isobutyraldehyde	0.006	0.03	0.04	0.04	0.02	0.05	0.04
Benzaldehyde	0.001	0.01	0.01	0.01	0.01	0.01	0.01
Isovaleraldehyde	0.001	0.01	0.01	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.01	0.01	0.01	0.01
Tolualdehydes	0.003	0.01	0.01	0.01	0.01	0.01	0.01
Hexaldehyde	0.001	0.01	0.01	0.02	0.01	0.02	0.03
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

D Diluted value.

ND Not detected.

NR Not reported due to co-eluting compound.

Pascagoula, MS (PGMS) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		35740	35945	36129	36297	36500	36830
SAMPLE DATE		9/12/2003	9/24/2003	10/6/2003	10/18/2003	10/30/2003	11/23/2003
ANALYSIS DATE		10/16/2003	10/27/2003	11/11/2003	11/25/2003	12/10/2003	12/30/2003
FILE NAME	MDL	V3JO042	V3J~008	V3KK009	V3KX023	V3LJ016	F3L\$018
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.020	0.76	0.75	0.86	0.84	0.60	10.56 D
Acetaldehyde	0.012	0.36	0.55	0.43	0.33	0.36	5.92
Acetone	0.011	0.13	0.23	0.19	0.25	0.11	0.46
Propionaldehyde	0.003	0.01	0.01	0.01	0.01	0.01	0.33
Crotonaldehyde	0.004	0.03	0.04	0.03	0.02	0.01	0.07
Butyr/Isobutyraldehyde	0.006	0.10	0.07	0.06	0.08	0.13	0.30
Benzaldehyde	0.001	0.01	0.01	0.01	0.01	0.01	0.07
Isovaleraldehyde	0.001	0.01	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.01	0.01	0.01	0.11
Tolualdehydes	0.003	0.02	0.01	0.01	0.02	0.01	0.07
Hexaldehyde	0.001	0.03	0.02	0.02	0.02	0.02	0.12
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

u Under detection limit.

D Diluted value.

ND Not detected.

NR Not reported due to co-eluting compound.

Pascagoula, MS (PGMS) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36939 D1	36939 R1	36941 D2	36941 R2	37001	37175
SAMPLE DATE		11/26/2003	11/26/2003	11/26/2003	11/26/2003	12/5/03	12/17/03
ANALYSIS DATE		12/31/2003	12/31/2003	12/31/2003	12/31/2003	1/11/04	1/29/04
FILE NAME	MDL	F3L%016	F3L%017	F3L%018	F3L%019	V4AK019	V4A#014
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.020	8.14	8.20	9.36	9.22	0.62	1.89
Acetaldehyde	0.012	3.57	3.57	3.79	3.76	0.68	1.41
Acetone	0.011	0.37	0.37	0.50	0.49	1.10	1.28
Propionaldehyde	0.003	0.18	0.19	0.19	0.19	0.01	ND
Crotonaldehyde	0.004	0.04	0.06	0.07	0.08	0.02	0.03
Butyr/Isobutyraldehyde	0.006	0.19	0.19	0.21	0.21	0.15	0.10
Benzaldehyde	0.001	0.07	0.06	0.07	0.07	0.01	0.02
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.08	0.10	0.10	0.10	0.004	0.02
Tolualdehydes	0.003	0.02	0.03	0.04	0.05	0.01	0.02
Hexaldehyde	0.001	0.15	0.15	0.18	0.19	0.02	0.06
2,5-Dimethylbenzaldehyde	0.002	0.004	0.003	0.004	0.003	ND	ND

* Analyzed out of hold time.

u Under detection limit.

D Diluted value.

ND Not detected.

NR Not reported due to co-eluting compound.

Pascagoula, MS (PGMS) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		37307
SAMPLE DATE		12/29/03
ANALYSIS DATE		2/8/04
FILE NAME	MDL	V4BG029
UNITS	ppbv	ppbv
Formaldehyde	0.020	3.93
Acetaldehyde	0.012	3.20
Acetone	0.011	0.57
Propionaldehyde	0.003	0.03
Crotonaldehyde	0.004	0.03
Butyr/Isobutyraldehyde	0.006	0.08
Benzaldehyde	0.001	0.03
Isovaleraldehyde	0.001	ND
Valeraldehyde	0.001	0.03
Tolualdehydes	0.003	0.02
Hexaldehyde	0.001	0.07
2,5-Dimethylbenzaldehyde	0.002	ND

* Analyzed out of hold time.

u Under detection limit.

D Diluted value.

ND Not detected.

NR Not reported due to co-eluting compound.

Pascagoula, MS (PGMS) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3BX019	Meets	V3CL011	Meets	F3DX019	Meets	V3ES008	Meets
FB ID	Criteria	31568 FB	Criteria	32061 FB	Criteria	32384 FB	Criteria	32841 FB	Criteria
Sample date	per	1/15/2003		2/20/2003		3/16/2003		4/21/2003	
Date Analyzed	QAPP	2/25/2003	(Y/N)	3/12/2003	(Y/N)	4/25/2003	(Y/N)	5/19/2003	(Y/N)
Formaldehyde	<0.3	0.054	Y	0.019	Y	0.035	Y	0.022	Y
Acetaldehyde	<0.4	0.137	Y	0.064	Y	0.044	Y	0.045	Y
Acetone	<0.75	0.265	Y	0.190	Y	0.134	Y	0.141	Y
Propionaldehyde		0.015		0.010		0.004		0.005	
Crotonaldehyde		ND		ND		0.009		0.013	
Butyraldehyde		0.074		0.062		0.165		0.077	
Benzaldehyde		0.013		0.016		0.008		0.019	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.010		ND		0.013		0.011	
Tolualdehydes		0.022		0.022		0.017		0.045	
Hexaldehyde		0.043		0.024		0.017		0.020	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.176	Y	0.132	Y	0.231	Y	0.189	Y

Pascagoula, MS (PGMS) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3GG047	Meets	F3G!020	Meets	V3IB016	Meets	V3JF024	Meets
FB ID	Criteria	33435 FB	Criteria	33922 FB	Criteria	34692 FB	Criteria	35432 FB	Criteria
Sample date	per	5/27/2003		6/20/2003		7/26/2003		8/31/2003	
Date Analyzed	QAPP	7/8/2003	(Y/N)	7/28/2003	(Y/N)	9/3/2003	(Y/N)	10/7/2003	(Y/N)
Formaldehyde	<0.3	0.071	Y	0.078	Y	0.036	Y	0.043	Y
Acetaldehyde	<0.4	0.094	Y	0.126	Y	0.116	Y	0.060	Y
Acetone	<0.75	0.135	Y	0.150	Y	0.307	Y	0.216	Y
Propionaldehyde		0.007		0.009		0.007		ND	
Crotonaldehyde		0.017		0.025		ND		0.006	
Butyraldehyde		0.060		0.177		0.039		0.084	
Benzaldehyde		0.015		0.020		0.011		0.015	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.004		0.007		0.009		0.013	
Tolualdehydes		0.036		0.055		0.032		0.051	
Hexaldehyde		0.022		0.019		0.023		0.025	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.159	Y	0.312	Y	0.120	Y	0.193	Y

Pascagoula, MS (PGMS) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3J-007	Meets	V3LJ015	Meets	F3LS017	Meets	V4BG030	Meets
FB ID	Criteria	35944 FB	Criteria	36499 FB	Criteria	36829 FB	Criteria	37306 FB	Criteria
Sample date	per	9/24/2003		10/30/2003		11/23/2003		12/29/03	
Date Analyzed	QAPP	10/27/2003	(Y/N)	12/10/2003	(Y/N)	12/30/2003	(Y/N)	02/08/04	(Y/N)
Formaldehyde	<0.3	0.059	Y	0.040	Y	0.052	Y	0.042	Y
Acetaldehyde	<0.4	0.217	Y	0.124	Y	0.084	Y	0.122	Y
Acetone	<0.75	0.294	Y	0.153	Y	0.127	Y	0.114	Y
Propionaldehyde		0.015		0.013		0.006		0.005	
Crotonaldehyde		0.017		0.009		0.015		0.005	
Butyraldehyde		0.154		0.215		0.128		0.134	
Benzaldehyde		0.020		0.010		0.015		0.029	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.016		0.014		0.003		ND	
Tolualdehydes		0.028		0.048		0.045		0.057	
Hexaldehyde		0.032		0.025		0.015		0.045	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.282	Y	0.332	Y	0.225	Y	0.272	Y

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31498	31492	31646	31648	31843 D1	31843 R1
SAMPLE DATE		1/3/2003	1/9/2003	1/15/2003	1/21/2003	1/27/2003	1/27/2003
ANALYSIS DATE		2/11/2003	2/11/2003	2/25/2003	2/25/2003	4/8/2003	4/8/2003
FILE NAME	MDL	V3BJ033	V3BJ035	V3BX043	V3BX044	F3DH006	F3DH007
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	3.23	3.03	2.50	1.68	2.10	2.10
Acetaldehyde	0.013	2.78	1.80	2.22	1.76	1.16	1.17
Acetone	0.012	2.04	1.02	1.47	0.92	0.99	0.99
Propionaldehyde	0.003	0.12	0.07	0.10	0.05	0.06	0.07
Crotonaldehyde	0.004	0.01	0.01	0.01	0.01	0.00	0.00
Butyr/Isobutyraldehyde	0.006	0.23	0.12	0.17	0.08	0.08	0.08
Benzaldehyde	0.001	0.06	0.04	0.05	0.03	0.03	0.03
Isovaleraldehyde	0.001	0.01	0.004	0.01	ND	ND	ND
Valeraldehyde	0.001	0.04	0.03	0.03	0.02	0.02	0.02
Tolualdehydes	0.003	0.03	0.02	0.03	0.02	0.02	0.02
Hexaldehyde	0.001	0.17	0.09	0.10	0.08	0.09	0.09
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Power failure during sampling.

% Received out of hold time.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31844 D2	31844 R2	31848	%32004	32006	32010
SAMPLE DATE		1/27/2003	1/27/2003	2/2/2003	2/8/2003	2/14/2003	2/20/2003
ANALYSIS DATE		4/8/2003	4/8/2003	3/4/2003	3/10/2003	3/10/2003	3/13/2003
FILE NAME	MDL	F3DH004	F3DH005	V3CC028	F3CJ008	F3CJ010	F3CL028
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	2.03	2.02	4.97	2.53	2.08	3.52
Acetaldehyde	0.013	1.24	1.24	3.32	2.12	1.44	2.93
Acetone	0.012	1.03	1.03	1.35	1.28	0.99	1.41
Propionaldehyde	0.003	0.06	0.07	0.13	0.05	0.07	0.13
Crotonaldehyde	0.004	0.00	0.00	0.01	0.02	0.03	0.04
Butyr/Isobutyraldehyde	0.006	0.09	0.09	0.17	0.12	0.17	0.28
Benzaldehyde	0.001	0.03	0.03	0.05	0.04	0.05	0.07
Isovaleraldehyde	0.001	ND	ND	0.01	ND	0.01	0.01
Valeraldehyde	0.001	0.03	0.02	0.04	0.04	0.04	0.05
Tolualdehydes	0.003	0.01	0.01	0.03	0.02	0.02	0.04
Hexaldehyde	0.001	0.10	0.09	0.14	0.10	0.14	0.11
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	0.01

^ Power failure during sampling.

% Received out of hold time.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32169 D1	32169 R1	32170 D2	32170 R2	32172	32309
SAMPLE DATE		2/26/2003	2/26/2003	2/26/2003	2/26/2003	3/4/2003	3/10/2003
ANALYSIS DATE		4/1/2003	4/1/2003	4/1/2003	4/1/2003	4/4/2003	4/4/2003
FILE NAME	MDL	V3C%035	V3C%036	V3C%037	V3C%038	F3DC018	V3DC031
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	2.24	2.23	2.64	2.64	3.83	1.81
Acetaldehyde	0.013	1.29	1.29	1.35	1.36	1.90	1.43
Acetone	0.012	1.15	1.16	1.23	1.23	1.84	1.12
Propionaldehyde	0.003	0.07	0.07	0.07	0.07	0.09	0.04
Crotonaldehyde	0.004	0.01	0.01	0.01	0.01	0.03	0.03
Butyr/Isobutyraldehyde	0.006	0.14	0.14	0.15	0.15	0.18	0.10
Benzaldehyde	0.001	0.04	0.04	0.04	0.04	0.04	0.02
Isovaleraldehyde	0.001	ND	ND	ND	ND	0.01	ND
Valeraldehyde	0.001	0.03	0.03	0.03	0.03	0.04	0.02
Tolualdehydes	0.003	0.01	0.01	0.02	0.02	0.02	0.02
Hexaldehyde	0.001	0.11	0.11	0.13	0.14	0.10	0.11
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Power failure during sampling.

% Received out of hold time.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32455	32457	32569	32700	32702	*32823
SAMPLE DATE		3/16/2003	3/22/2003	3/28/2003	4/3/2003	4/9/2003	4/15/2003
ANALYSIS DATE		4/15/2003	4/18/2003	5/10/2003	5/16/2003	5/16/2003	6/11/2003
FILE NAME	MDL	F3DN015	F3DP053	F3EI023	V3EO019	V3EO018	V3FK004
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	4.24	4.11	2.87	3.94	2.12	4.55
Acetaldehyde	0.013	2.57	3.58	1.68	2.28	1.70	2.23
Acetone	0.012	0.58	1.15	0.73	0.45	1.04	1.07
Propionaldehyde	0.003	0.17	0.11	0.05	0.18	0.10	0.14
Crotonaldehyde	0.004	0.03	0.03	0.02	0.03	0.02	0.04
Butyr/Isobutyraldehyde	0.006	0.16	0.22	0.12	0.11	0.10	0.09
Benzaldehyde	0.001	0.06	0.08	0.04	0.05	0.04	0.05
Isovaleraldehyde	0.001	0.01	ND	ND	0.02	ND	0.003
Valeraldehyde	0.001	0.05	0.05	0.03	0.04	0.03	0.03
Tolualdehydes	0.003	0.03	0.04	0.02	0.04	0.02	0.03
Hexaldehyde	0.001	0.15	0.17	0.12	0.10	0.08	0.10
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Power failure during sampling.

% Received out of hold time.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32932	33126	33125	33168	33308 D1	33308 R1
SAMPLE DATE		4/21/2003	4/27/2003	5/3/2003	5/9/2003	5/15/2003	5/15/2003
ANALYSIS DATE		5/20/2003	5/21/2003	6/4/2003	6/5/2003	6/25/2003	6/25/2003
FILE NAME	MDL	V3ES022	V3EU008	F3FC017	F3FE010	V3FX017	V3FX018
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	2.17	5.64	4.44	4.35	2.70	2.69
Acetaldehyde	0.013	1.35	5.59	2.50	1.08	0.90	0.90
Acetone	0.012	0.48	0.71	0.83	0.38	1.08	1.08
Propionaldehyde	0.003	0.08	0.22	0.06	NR	NR	NR
Crotonaldehyde	0.004	0.02	0.03	0.03	0.51	0.08	0.09
Butyr/Isobutyraldehyde	0.006	0.07	0.13	0.17	0.15	0.14	0.14
Benzaldehyde	0.001	0.04	0.08	0.06	0.08	0.06	0.06
Isovaleraldehyde	0.001	ND	0.01	ND	0.01	0.01	0.04
Valeraldehyde	0.001	0.03	0.05	0.04	0.06	0.07	0.06
Tolualdehydes	0.003	0.02	0.05	0.02	0.03	0.02	0.05
Hexaldehyde	0.001	0.09	0.13	0.11	0.20	0.20	0.22
2,5-Dimethylbenzaldehyde	0.002	ND	0.01	ND	ND	ND	ND

^ Power failure during sampling.

% Received out of hold time.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		33310 D2	33310 R2	33405	33517	33519	*33648
SAMPLE DATE		5/15/2003	5/15/2003	5/21/2003	5/27/2003	6/2/2003	6/8/2003
ANALYSIS DATE		6/25/2003	6/25/2003	7/1/2003	7/8/2003	7/16/2003	8/6/2003
FILE NAME	MDL	V3FX019	V3FX020	V3F\$026	V3GG022	V3GO023	F3HF017
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	2.74	2.70	2.49	4.04	2.67	2.71
Acetaldehyde	0.013	0.88	0.87	0.83	2.41	0.93	0.69
Acetone	0.012	1.03	1.02	0.99	1.54	0.65	0.89
Propionaldehyde	0.003	NR	NR	0.15	0.29	0.21	0.08
Crotonaldehyde	0.004	0.09	0.09	0.05	0.16	0.11	0.21
Butyr/Isobutyraldehyde	0.006	0.15	0.15	0.16	0.22	0.14	0.10
Benzaldehyde	0.001	0.06	0.07	0.06	0.12	0.07	0.05
Isovaleraldehyde	0.001	0.03	0.04	0.01	0.02	0.01	ND
Valeraldehyde	0.001	0.07	0.07	0.07	0.10	0.06	0.06
Tolualdehydes	0.003	0.03	0.03	0.03	0.06	0.03	0.03
Hexaldehyde	0.001	0.22	0.22	0.20	0.25	0.15	0.15
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Power failure during sampling.

% Received out of hold time.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		*33688	33964	34147 D1	34147 R1	34149 D2	34149 R2
SAMPLE DATE		6/14/2003	6/20/2003	6/26/2003	6/26/2003	6/26/2003	6/26/2003
ANALYSIS DATE		7/25/2003	7/30/2003	7/31/2003	7/31/2003	7/31/2003	7/31/2003
FILE NAME	MDL	F3GX019	V3G#032	F3G\$031	F3G\$032	F3G\$033	F3G\$034
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	5.27	4.82	3.94	3.95	4.10	4.09
Acetaldehyde	0.013	2.34	1.75	2.16	2.15	2.24	2.23
Acetone	0.012	0.75	0.77	0.65	0.64	0.66	0.65
Propionaldehyde	0.003	0.21	0.25	0.13	0.14	0.14	0.14
Crotonaldehyde	0.004	0.11	0.09	0.16	0.17	0.17	0.17
Butyr/Isobutyraldehyde	0.006	0.21	0.18	0.13	0.13	0.13	0.13
Benzaldehyde	0.001	0.08	0.06	0.06	0.05	0.05	0.05
Isovaleraldehyde	0.001	0.01	0.02	ND	ND	ND	ND
Valeraldehyde	0.001	0.05	0.07	0.04	0.04	0.04	0.05
Tolualdehydes	0.003	0.05	0.04	0.02	0.03	0.02	0.02
Hexaldehyde	0.001	0.07	0.08	0.06	0.06	0.06	0.06
2,5-Dimethylbenzaldehyde	0.002	ND	0.01	ND	ND	ND	ND

^ Power failure during sampling.

% Received out of hold time.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		34196	34314	34489 D1	34489 R1	34491 D2	34491 R2
SAMPLE DATE		7/2/2003	7/8/2003	7/14/2003	7/14/2003	7/14/2003	7/14/2003
ANALYSIS DATE		8/7/2003	8/13/2003	8/19/2003	8/19/2003	8/19/2003	8/19/2003
FILE NAME	MDL	F3HF045	F3HM009	F3HR035	F3HR036	F3HR037	F3HR038
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	8.55	8.75	6.71	7.04	6.59	6.90
Acetaldehyde	0.013	3.64	2.32	1.96	2.07	1.88	1.97
Acetone	0.012	0.52	0.43	0.41	0.43	0.35	0.36
Propionaldehyde	0.003	0.42	0.22	0.16	0.17	0.17	0.17
Crotonaldehyde	0.004	0.25	1.44	0.21	0.09	0.21	0.21
Butyr/Isobutyraldehyde	0.006	0.24	0.12	0.10	0.11	0.11	0.10
Benzaldehyde	0.001	0.10	0.09	0.05	0.05	0.04	0.05
Isovaleraldehyde	0.001	0.03	0.04	0.01	0.02	ND	ND
Valeraldehyde	0.001	0.08	0.04	0.03	0.04	0.03	0.03
Tolualdehydes	0.003	0.06	0.37	0.03	0.03	0.02	0.02
Hexaldehyde	0.001	0.08	0.07	0.03	0.04	0.03	0.04
2,5-Dimethylbenzaldehyde	0.002	ND	0.02	ND	0.01	ND	ND

^ Power failure during sampling.

% Received out of hold time.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		34676	34743	34922	34926	35235	35240
SAMPLE DATE		7/20/2003	7/26/2003	8/1/2003	8/7/2003	8/13/2003	8/19/2003
ANALYSIS DATE		8/8/2003	8/28/2003	9/4/2003	8/20/2003	9/15/2003	9/16/2003
FILE NAME	MDL	F3HF064	F3H~021	V3IC012	V3HS020	F3IO008	F3IO013
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	8.43	9.49	10.14	6.70	4.61	5.49
Acetaldehyde	0.013	2.46	2.78	2.80	2.49	1.84	1.99
Acetone	0.012	0.41	0.48	0.51	0.49	0.51	0.42
Propionaldehyde	0.003	0.22	0.19	0.25	0.27	0.18	0.20
Crotonaldehyde	0.004	0.93	0.66	0.72	0.31	0.15	0.23
Butyr/Isobutyraldehyde	0.006	0.14	0.11	0.15	0.18	0.12	0.13
Benzaldehyde	0.001	0.07	0.05	0.08	0.05	0.06	0.04
Isovaleraldehyde	0.001	0.03	0.02	0.02	0.02	0.03	0.03
Valeraldehyde	0.001	0.05	0.04	0.04	0.07	0.04	0.04
Tolualdehydes	0.003	0.20	0.13	0.08	0.05	0.02	0.04
Hexaldehyde	0.001	0.05	0.07	0.05	0.06	0.05	0.03
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Power failure during sampling.

% Received out of hold time.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		35525 D1	35525 R1	35527 D2	35527 R2	35537	35659
SAMPLE DATE		8/25/2003	8/25/2003	8/25/2003	8/25/2003	8/31/2003	9/6/2003
ANALYSIS DATE		9/30/2003	9/30/2003	9/30/2003	9/30/2003	9/29/2003	10/15/2003
FILE NAME	MDL	F3I#031	F3I#032	F3I#033	F3I#034	F3I#008	V3JO016
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	10.12	10.22	10.82 D	10.85 D	3.13	5.41
Acetaldehyde	0.013	3.11	3.11	3.16	3.18	1.44	3.39
Acetone	0.012	0.57	0.57	0.58	0.59	0.33	1.23
Propionaldehyde	0.003	0.29	0.29	0.28	0.28	0.13	0.25
Crotonaldehyde	0.004	0.52	0.52	0.59	0.59	0.48	0.12
Butyr/Isobutyraldehyde	0.006	0.17	0.17	0.16	0.16	0.11	0.22
Benzaldehyde	0.001	0.06	0.06	0.07	0.08	0.05	0.08
Isovaleraldehyde	0.001	0.02	0.02	0.02	0.03	ND	0.02
Valeraldehyde	0.001	0.05	0.05	0.04	0.05	0.04	0.06
Tolualdehydes	0.003	0.07	0.09	0.08	0.08	0.07	0.07
Hexaldehyde	0.001	0.04	0.05	0.04	0.04	0.06	0.08
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	0.01

^ Power failure during sampling.

% Received out of hold time.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		35792	35826	36062	36064	^36167 D1	^36167 R1
SAMPLE DATE		9/12/2003	9/18/2003	9/24/2003	9/30/2003	10/6/2003	10/6/2003
ANALYSIS DATE		9/24/2003	10/28/2003	11/4/2003	11/5/2003	11/12/2003	11/12/2003
FILE NAME	MDL	F3IW022	F3JI007	F3KC020	V3KE009	V3KK022	V3KK023
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	4.61	5.69	7.05	2.66	5.22	5.18
Acetaldehyde	0.013	1.68	2.31	2.27	1.38	3.10	3.11
Acetone	0.012	0.42	0.73	0.79	1.00	1.15	1.15
Propionaldehyde	0.003	0.15	0.22	0.19	0.14	0.27	0.29
Crotonaldehyde	0.004	0.18	0.14	0.23	0.06	0.13	0.14
Butyr/Isobutyraldehyde	0.006	0.13	0.13	0.13	0.34	0.29	0.30
Benzaldehyde	0.001	0.05	0.06	0.04	0.04	0.10	0.10
Isovaleraldehyde	0.001	0.02	0.02	0.01	0.01	0.01	0.02
Valeraldehyde	0.001	0.04	0.06	0.04	0.03	0.06	0.06
Tolualdehydes	0.003	0.02	0.05	0.06	0.03	0.09	0.09
Hexaldehyde	0.001	0.0002 u	0.05	0.05	0.06	0.08	0.08
2,5-Dimethylbenzaldehyde	0.002	ND	ND	0.03	ND	0.03	0.03

^ Power failure during sampling.

% Received out of hold time.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		^36169 D2	^36169 R2	36248	36354	36388 D1	36388 R1
SAMPLE DATE		10/6/2003	10/6/2003	10/12/2003	10/18/2003	10/24/2003	10/24/2003
ANALYSIS DATE		11/12/2003	11/12/2003	11/21/2003	11/25/2003	11/18/2003	11/18/2003
FILE NAME	MDL	V3KK024	V3KK025	V3KT013	V3KX019	V3KQ036	V3KQ037
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	5.05	5.10	3.67	5.14	5.30	5.31
Acetaldehyde	0.013	3.07	3.07	2.47	2.88	1.95	1.96
Acetone	0.012	1.06	1.07	1.56	1.31	1.01	1.01
Propionaldehyde	0.003	0.29	0.29	0.15	0.27	0.15	0.16
Crotonaldehyde	0.004	0.14	0.13	0.06	0.09	0.04	0.04
Butyr/Isobutyraldehyde	0.006	0.30	0.29	0.21	0.28	0.16	0.16
Benzaldehyde	0.001	0.10	0.09	0.08	0.13	0.05	0.05
Isovaleraldehyde	0.001	0.03	0.02	0.01	0.01	0.005	0.01
Valeraldehyde	0.001	0.07	0.06	0.05	0.07	0.04	0.04
Tolualdehydes	0.003	0.08	0.08	0.06	0.10	0.03	0.03
Hexaldehyde	0.001	0.07	0.07	0.08	0.09	0.05	0.05
2,5-Dimethylbenzaldehyde	0.002	0.02	0.02	0.01	0.03	ND	ND

^ Power failure during sampling.

% Received out of hold time.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36390 D2	36390 R2	36474	36595	36662	36759 D1
SAMPLE DATE		10/24/2003	10/24/2003	10/30/2003	11/5/2003	11/11/2003	11/17/2003
ANALYSIS DATE		11/18/2003	11/18/2003	12/11/2003	12/15/2003	12/16/2003	12/29/2003
FILE NAME	MDL	V3KQ038	V3KQ039	F3LJ025	V3LN017	F3LN023	F3L!028
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	5.27	5.27	4.35	1.31	3.03	1.32
Acetaldehyde	0.013	1.99	2.00	1.80	0.81	1.53	0.80
Acetone	0.012	1.11	1.11	0.61	1.12	0.71	0.32
Propionaldehyde	0.003	0.16	0.15	0.17	0.06	0.16	0.08
Crotonaldehyde	0.004	0.04	0.04	0.06	0.02	0.06	0.03
Butyr/Isobutyraldehyde	0.006	0.16	0.16	0.15	0.14	0.20	0.09
Benzaldehyde	0.001	0.04	0.04	0.04	0.03	0.05	0.03
Isovaleraldehyde	0.001	0.01	0.01	0.01	0.003	0.02	0.01
Valeraldehyde	0.001	0.04	0.04	0.02	0.02	0.05	0.02
Tolualdehydes	0.003	0.04	0.05	0.05	0.02	0.04	0.03
Hexaldehyde	0.001	0.04	0.04	0.03	0.04	0.06	0.03
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	0.01	0.003

^ Power failure during sampling.

% Received out of hold time.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36759 R1	36760 D2	36760 R2	36904	36964 D1	36964 R1
SAMPLE DATE		11/17/2003	11/17/2003	11/17/2003	11/23/2003	11/29/2003	11/29/2003
ANALYSIS DATE		12/29/2003	12/29/2003	12/29/2003	12/18/2003	1/8/2004	1/8/2004
FILE NAME	MDL	F3L!029	F3L!030	F3L!031	V3LQ013	F4AH018	F4AH019
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	1.32	1.25	1.31	2.04	1.38	1.38
Acetaldehyde	0.013	0.80	0.79	0.83	0.85	1.58	1.57
Acetone	0.012	0.32	0.27	0.29	0.49	0.86	0.86
Propionaldehyde	0.003	0.08	0.08	0.09	0.07	0.02	0.02
Crotonaldehyde	0.004	0.03	0.03	0.03	0.02	0.03	0.03
Butyr/Isobutyraldehyde	0.006	0.09	0.09	0.09	0.11	0.11	0.11
Benzaldehyde	0.001	0.03	0.03	0.03	0.02	0.02	0.02
Isovaleraldehyde	0.001	0.01	0.01	0.01	0.01	ND	ND
Valeraldehyde	0.001	0.02	0.02	0.02	0.02	0.01	0.004
Tolualdehydes	0.003	0.03	0.03	0.03	0.02	0.02	0.02
Hexaldehyde	0.001	0.03	0.03	0.02	0.03	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	0.002 u	0.002 u	0.001 u	ND	ND	ND

^ Power failure during sampling.

% Received out of hold time.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36965 D2	36965 R2	36985	37107	37232	37251
SAMPLE DATE		11/29/2003	11/29/2003	12/5/2003	12/11/2003	12/17/2003	12/23/2003
ANALYSIS DATE		1/8/2004	1/9/2004	1/11/2004	1/15/2004	1/30/2004	2/4/2004
FILE NAME	MDL	F4AH020	F4AH021	V4AK012	V4AN024	V4A#026	V4BB043
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.021	1.22	1.22	1.42	2.12	2.18	1.84
Acetaldehyde	0.013	1.68	1.68	0.81	1.09	1.00	0.82
Acetone	0.012	0.87	0.87	1.14	1.16	1.18	0.84
Propionaldehyde	0.003	0.02	0.02	0.08	0.08	0.08	0.05
Crotonaldehyde	0.004	0.02	0.03	0.03	0.03	0.04	0.02
Butyr/Isobutyraldehyde	0.006	0.10	0.10	0.14	0.14	0.19	0.08
Benzaldehyde	0.001	0.01	0.01	0.03	0.03	0.03	0.03
Isovaleraldehyde	0.001	ND	ND	0.01	0.01	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.02	0.02	0.02	0.02
Tolualdehydes	0.003	0.02	0.02	0.03	0.04	0.04	0.02
Hexaldehyde	0.001	0.01	0.01	0.04	0.03	0.04	0.04
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Power failure during sampling.

% Received out of hold time.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		37391
SAMPLE DATE		12/29/2003
ANALYSIS DATE		2/8/2004
FILE NAME	MDL	V4BG049
UNITS	ppbv	ppbv
Formaldehyde	0.021	1.96
Acetaldehyde	0.013	0.98
Acetone	0.012	1.22
Propionaldehyde	0.003	0.07
Crotonaldehyde	0.004	0.04
Butyr/Isobutyraldehyde	0.006	0.16
Benzaldehyde	0.001	0.04
Isovaleraldehyde	0.001	ND
Valeraldehyde	0.001	0.02
Tolualdehydes	0.003	0.03
Hexaldehyde	0.001	0.05
2,5-Dimethylbenzaldehyde	0.002	ND

^ Power failure during sampling.

% Received out of hold time.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	31498	31492	31646	31648	31843 D1	31843 R1
SAMPLE DATE	1/3/2003	1/9/2003	1/15/2003	1/21/2003	1/27/2003	1/27/2003
ANALYSIS DATE	2/11/2003	2/11/2003	2/25/2003	2/25/2003	3/5/2003	3/5/2003
FILE NAME	V3BJ033	V3BJ035	V3BX043	V3BX044	V3CC059	V3CC060
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	3.99	3.73	3.08	2.07	2.57	2.56
Acetaldehyde	5.01	3.25	4.00	3.18	2.16	2.17
Acetone	4.86	2.43	3.50	2.20	2.47	2.48
Propionaldehyde	0.29	0.17	0.23	0.12	0.14	0.14
Crotonaldehyde	0.02	0.02	0.03	0.02	0.02	0.02
Butyr/Isobutyraldehyde	0.68	0.35	0.51	0.25	0.29	0.29
Benzaldehyde	0.27	0.16	0.22	0.15	0.12	0.11
Isovaleraldehyde	0.02	0.01	0.03	ND	ND	ND
Valeraldehyde	0.15	0.11	0.12	0.08	0.09	0.09
Tolualdehydes	0.17	0.08	0.13	0.08	0.08	0.08
Hexaldehyde	0.71	0.36	0.41	0.35	0.39	0.38
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

^ Power failure during sampling.

% Received out of hold time.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	31844 D2	31844 R2	31848	%32004	32006	32010
SAMPLE DATE	1/27/2003	1/27/2003	2/2/2003	2/8/2003	2/14/2003	2/20/2003
ANALYSIS DATE	3/5/2003	3/5/2003	3/4/2003	3/10/2003	3/10/2003	3/13/2003
FILE NAME	V3CC057	V3CC058	V3CC028	F3CJ008	F3CJ010	F3CL028
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	2.45	2.45	6.13	3.12	2.57	4.34
Acetaldehyde	2.30	2.30	5.99	3.83	2.61	5.28
Acetone	2.55	2.55	3.22	3.06	2.37	3.37
Propionaldehyde	0.14	0.14	0.31	0.13	0.16	0.32
Crotonaldehyde	0.02	0.02	0.01	0.06	0.07	0.12
Butyr/Isobutyraldehyde	0.32	0.30	0.51	0.36	0.51	0.81
Benzaldehyde	0.12	0.12	0.21	0.18	0.21	0.32
Isovaleraldehyde	ND	ND	0.04	ND	0.03	0.04
Valeraldehyde	0.09	0.10	0.14	0.14	0.13	0.18
Tolualdehydes	0.07	0.07	0.14	0.10	0.09	0.18
Hexaldehyde	0.42	0.44	0.57	0.43	0.56	0.44
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	0.03

^ Power failure during sampling.

% Received out of hold time.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	32169 D1	32169 R1	32170 D2	32170 R2	32172	32309
SAMPLE DATE	2/26/2003	2/26/2003	2/26/2003	2/26/2003	3/4/2003	3/10/2003
ANALYSIS DATE	4/1/2003	4/1/2003	4/1/2003	4/1/2003	4/4/2003	4/4/2003
FILE NAME	V3C%035	V3C%036	V3C%037	V3C%038	F3DC018	V3DC031
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	2.76	2.75	3.25	3.26	4.72	2.23
Acetaldehyde	2.32	2.32	2.44	2.45	3.44	2.58
Acetone	2.74	2.75	2.93	2.92	4.37	2.68
Propionaldehyde	0.17	0.17	0.17	0.16	0.21	0.11
Crotonaldehyde	0.02	0.02	0.02	0.02	0.10	0.07
Butyr/Isobutyraldehyde	0.42	0.41	0.45	0.45	0.52	0.31
Benzaldehyde	0.17	0.15	0.18	0.18	0.18	0.10
Isovaleraldehyde	ND	ND	ND	ND	0.03	ND
Valeraldehyde	0.11	0.11	0.11	0.12	0.13	0.09
Tolualdehydes	0.06	0.07	0.10	0.10	0.10	0.09
Hexaldehyde	0.47	0.46	0.54	0.56	0.41	0.46
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

^ Power failure during sampling.

% Received out of hold time.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	32455	32457	32569	32700	32702	*32823
SAMPLE DATE	3/16/2003	3/22/2003	3/28/2003	4/3/2003	4/9/2003	4/15/2003
ANALYSIS DATE	4/15/2003	4/18/2003	5/10/2003	5/16/2003	5/16/2003	6/11/2003
FILE NAME	F3DN015	F3DP053	F3EI023	V3EO019	V3EO018	V3FK004
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	5.22	5.06	3.54	4.86	2.61	5.61
Acetaldehyde	4.63	6.47	3.03	4.12	3.06	4.03
Acetone	1.39	2.74	1.75	1.08	2.47	2.55
Propionaldehyde	0.40	0.26	0.11	0.44	0.23	0.34
Crotonaldehyde	0.09	0.09	0.07	0.10	0.06	0.10
Butyr/Isobutyraldehyde	0.46	0.66	0.36	0.33	0.31	0.26
Benzaldehyde	0.27	0.35	0.18	0.23	0.17	0.21
Isovaleraldehyde	0.04	ND	ND	0.06	ND	0.01
Valeraldehyde	0.19	0.17	0.11	0.13	0.09	0.12
Tolualdehydes	0.13	0.22	0.07	0.18	0.12	0.17
Hexaldehyde	0.60	0.69	0.49	0.41	0.34	0.41
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

^ Power failure during sampling.

% Received out of hold time.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	32932	33126	33125	33168	33308 D1	33308 R1
SAMPLE DATE	4/21/2003	4/27/2003	5/3/2003	5/9/2003	5/15/2003	5/15/2003
ANALYSIS DATE	5/20/2003	5/21/2003	6/4/2003	6/5/2003	6/25/2003	6/25/2003
FILE NAME	V3ES022	V3EU008	F3FC017	F3FE010	V3FX017	V3FX018
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	2.67	6.95	5.47	5.36	3.33	3.32
Acetaldehyde	2.44	10.09	4.52	1.94	1.62	1.62
Acetone	1.15	1.68	1.98	0.91	2.58	2.57
Propionaldehyde	0.19	0.52	0.15	NR	NR	NR
Crotonaldehyde	0.05	0.10	0.10	1.46	0.24	0.24
Butyr/Isobutyraldehyde	0.21	0.39	0.50	0.43	0.43	0.42
Benzaldehyde	0.16	0.36	0.28	0.36	0.27	0.26
Isovaleraldehyde	ND	0.03	ND	0.04	0.05	0.13
Valeraldehyde	0.09	0.19	0.15	0.22	0.23	0.23
Tolualdehydes	0.09	0.26	0.10	0.15	0.11	0.24
Hexaldehyde	0.39	0.52	0.47	0.81	0.81	0.89
2,5-Dimethylbenzaldehyde	ND	0.04	ND	ND	ND	ND

^ Power failure during sampling.

% Received out of hold time.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	33310 D2	33310 R2	33405	33517	33519	*33648
SAMPLE DATE	5/15/2003	5/15/2003	5/21/2003	5/27/2003	6/2/2003	6/8/2003
ANALYSIS DATE	6/25/2003	6/25/2003	7/1/2003	7/8/2003	7/16/2003	8/6/2003
FILE NAME	V3FX019	V3FX020	V3F\$026	V3GG022	V3GO023	F3HF017
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	3.38	3.33	3.06	4.98	3.29	3.34
Acetaldehyde	1.59	1.57	1.51	4.35	1.68	1.25
Acetone	2.45	2.42	2.35	3.67	1.55	2.13
Propionaldehyde	NR	NR	0.37	0.70	0.49	0.20
Crotonaldehyde	0.26	0.25	0.15	0.46	0.30	0.60
Butyr/Isobutyraldehyde	0.44	0.45	0.48	0.64	0.41	0.29
Benzaldehyde	0.27	0.31	0.27	0.52	0.32	0.23
Isovaleraldehyde	0.12	0.14	0.05	0.07	0.04	ND
Valeraldehyde	0.25	0.26	0.25	0.37	0.22	0.21
Tolualdehydes	0.13	0.13	0.14	0.30	0.17	0.16
Hexaldehyde	0.91	0.89	0.81	1.02	0.62	0.63
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

^ Power failure during sampling.

% Received out of hold time.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	*33688	33964	34147 D1	34147 R1	34149 D2	34149 R2
SAMPLE DATE	6/14/2003	6/20/2003	6/26/2003	6/26/2003	6/26/2003	6/26/2003
ANALYSIS DATE	7/25/2003	7/30/2003	7/31/2003	7/31/2003	7/31/2003	7/31/2003
FILE NAME	F3GX019	V3G#032	F3G\$031	F3G\$032	F3G\$033	F3G\$034
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	6.50	5.95	4.85	4.87	5.06	5.04
Acetaldehyde	4.23	3.17	3.89	3.89	4.04	4.02
Acetone	1.80	1.83	1.54	1.53	1.57	1.55
Propionaldehyde	0.49	0.60	0.32	0.33	0.33	0.32
Crotonaldehyde	0.32	0.26	0.45	0.48	0.50	0.49
Butyr/Isobutyraldehyde	0.61	0.52	0.38	0.39	0.38	0.39
Benzaldehyde	0.34	0.25	0.25	0.23	0.21	0.23
Isovaleraldehyde	0.03	0.08	ND	ND	ND	ND
Valeraldehyde	0.16	0.23	0.15	0.14	0.15	0.16
Tolualdehydes	0.22	0.18	0.11	0.15	0.11	0.12
Hexaldehyde	0.30	0.34	0.23	0.23	0.24	0.25
2,5-Dimethylbenzaldehyde	ND	0.07	ND	ND	ND	ND

^ Power failure during sampling.

% Received out of hold time.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	34196	34314	34489 D1	34489 R1	34491 D2	34491 R2
SAMPLE DATE	7/2/2003	7/8/2003	7/14/2003	7/14/2003	7/14/2003	7/14/2003
ANALYSIS DATE	8/7/2003	8/13/2003	8/19/2003	8/19/2003	8/19/2003	8/19/2003
FILE NAME	F3HF045	F3HM009	F3HR035	F3HR036	F3HR037	F3HR038
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	10.54	10.78	8.27	8.68	8.13	8.51
Acetaldehyde	6.58	4.19	3.55	3.73	3.40	3.56
Acetone	1.25	1.03	0.97	1.02	0.83	0.85
Propionaldehyde	1.00	0.52	0.39	0.41	0.39	0.41
Crotonaldehyde	0.73	4.13	0.59	0.25	0.61	0.61
Butyr/Isobutyraldehyde	0.70	0.35	0.30	0.33	0.32	0.29
Benzaldehyde	0.41	0.40	0.20	0.21	0.17	0.21
Isovaleraldehyde	0.11	0.15	0.03	0.07	ND	ND
Valeraldehyde	0.28	0.15	0.11	0.13	0.10	0.12
Tolualdehydes	0.30	1.82	0.13	0.14	0.11	0.11
Hexaldehyde	0.35	0.27	0.14	0.18	0.14	0.15
2,5-Dimethylbenzaldehyde	ND	0.09	ND	0.07	ND	ND

^ Power failure during sampling.

% Received out of hold time.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	34676	34743	34922	34926	35235	35240
SAMPLE DATE	7/20/2003	7/26/2003	8/1/2003	8/7/2003	8/13/2003	8/19/2003
ANALYSIS DATE	8/8/2003	8/28/2003	9/4/2003	8/20/2003	9/15/2003	9/16/2003
FILE NAME	F3HF064	F3H~021	V3IC012	V3HS020	F3IO008	F3IO013
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	10.39	11.70	12.50	8.26	5.68	6.77
Acetaldehyde	4.44	5.02	5.05	4.50	3.33	3.60
Acetone	0.97	1.13	1.21	1.17	1.20	1.00
Propionaldehyde	0.52	0.46	0.60	0.64	0.43	0.48
Crotonaldehyde	2.67	1.91	2.07	0.88	0.44	0.66
Butyr/Isobutyraldehyde	0.42	0.33	0.45	0.52	0.37	0.39
Benzaldehyde	0.30	0.22	0.37	0.24	0.25	0.18
Isovaleraldehyde	0.10	0.06	0.06	0.06	0.10	0.09
Valeraldehyde	0.16	0.15	0.15	0.24	0.14	0.12
Tolualdehydes	0.97	0.63	0.39	0.24	0.10	0.18
Hexaldehyde	0.20	0.28	0.21	0.23	0.19	0.14
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

^ Power failure during sampling.

% Received out of hold time.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	35525 D1	35525 R1	35527 D2	35527 R2	35537	35659
SAMPLE DATE	8/25/2003	8/25/2003	8/25/2003	8/25/2003	8/31/2003	9/6/2003
ANALYSIS DATE	9/30/2003	9/30/2003	9/30/2003	9/30/2003	9/29/2003	10/15/2003
FILE NAME	F3I#031	F3I#032	F3I#033	F3I#034	F3I#008	V3JO016
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	12.48	12.60	13.34 D	13.37 D	3.86	6.66
Acetaldehyde	5.61	5.62	5.70	5.75	2.59	6.13
Acetone	1.35	1.36	1.39	1.41	0.79	2.93
Propionaldehyde	0.68	0.69	0.66	0.67	0.32	0.59
Crotonaldehyde	1.49	1.50	1.70	1.69	1.39	0.34
Butyr/Isobutyraldehyde	0.50	0.50	0.48	0.47	0.34	0.66
Benzaldehyde	0.27	0.26	0.31	0.34	0.22	0.33
Isovaleraldehyde	0.07	0.07	0.07	0.11	ND	0.06
Valeraldehyde	0.16	0.17	0.14	0.16	0.15	0.21
Tolualdehydes	0.36	0.44	0.39	0.41	0.32	0.33
Hexaldehyde	0.18	0.19	0.16	0.16	0.26	0.32
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	0.05

^ Power failure during sampling.

% Received out of hold time.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	35792	35826	36062	36064	^36167 D1	^36167 R1
SAMPLE DATE	9/12/2003	9/18/2003	9/24/2003	9/30/2003	10/6/2003	10/6/2003
ANALYSIS DATE	9/24/2003	10/28/2003	11/4/2003	11/5/2003	11/12/2003	11/12/2003
FILE NAME	F3IW022	F3J!007	F3KC020	V3KE009	V3KK022	V3KK023
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	5.69	7.02	8.69	3.28	6.43	6.39
Acetaldehyde	3.03	4.17	4.10	2.49	5.61	5.61
Acetone	0.99	1.75	1.89	2.39	2.74	2.74
Propionaldehyde	0.35	0.52	0.44	0.33	0.64	0.70
Crotonaldehyde	0.52	0.39	0.65	0.18	0.39	0.39
Butyr/Isobutyraldehyde	0.37	0.38	0.39	1.01	0.87	0.88
Benzaldehyde	0.22	0.27	0.17	0.20	0.45	0.44
Isovaleraldehyde	0.07	0.08	0.04	0.04	0.05	0.07
Valeraldehyde	0.14	0.20	0.14	0.12	0.22	0.22
Tolualdehydes	0.11	0.24	0.27	0.15	0.45	0.45
Hexaldehyde	0.001 u	0.21	0.22	0.25	0.32	0.31
2,5-Dimethylbenzaldehyde	ND	ND	0.15	ND	0.15	0.14

^ Power failure during sampling.

% Received out of hold time.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	^36169 D2	^36169 R2	36248	36354	36388 D1	36388 R1
SAMPLE DATE	10/6/2003	10/6/2003	10/12/2003	10/18/2003	10/24/2003	10/24/2003
ANALYSIS DATE	11/12/2003	11/12/2003	11/21/2003	11/25/2003	11/18/2003	11/18/2003
FILE NAME	V3KK024	V3KK025	V3KT013	V3KX019	V3KQ036	V3KQ037
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	6.22	6.29	4.53	6.33	6.53	6.54
Acetaldehyde	5.53	5.55	4.46	5.20	3.52	3.54
Acetone	2.53	2.54	3.70	3.12	2.40	2.41
Propionaldehyde	0.69	0.69	0.36	0.64	0.37	0.37
Crotonaldehyde	0.40	0.39	0.17	0.25	0.11	0.11
Butyr/Isobutyraldehyde	0.88	0.84	0.61	0.82	0.47	0.47
Benzaldehyde	0.45	0.41	0.35	0.57	0.20	0.20
Isovaleraldehyde	0.09	0.06	0.04	0.05	0.02	0.03
Valeraldehyde	0.25	0.22	0.18	0.23	0.12	0.14
Tolualdehydes	0.37	0.38	0.28	0.51	0.14	0.16
Hexaldehyde	0.28	0.28	0.34	0.36	0.19	0.20
2,5-Dimethylbenzaldehyde	0.11	0.11	0.06	0.15	ND	ND

^ Power failure during sampling.

% Received out of hold time.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	36390 D2	36390 R2	36474	36595	36662	36759 D1
SAMPLE DATE	10/24/2003	10/24/2003	10/30/2003	11/5/2003	11/11/2003	11/17/2003
ANALYSIS DATE	11/18/2003	11/18/2003	12/11/2003	12/15/2003	12/16/2003	12/29/2003
FILE NAME	V3KQ038	V3KQ039	F3LJ025	V3LN017	F3LN023	F3L!028
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	6.50	6.50	5.36	1.62	3.73	1.62
Acetaldehyde	3.60	3.61	3.24	1.47	2.76	1.45
Acetone	2.64	2.64	1.46	2.66	1.70	0.76
Propionaldehyde	0.38	0.35	0.40	0.14	0.39	0.20
Crotonaldehyde	0.11	0.11	0.18	0.06	0.18	0.08
Butyr/Isobutyraldehyde	0.48	0.48	0.45	0.41	0.60	0.26
Benzaldehyde	0.17	0.17	0.15	0.11	0.22	0.13
Isovaleraldehyde	0.02	0.03	0.02	0.01	0.08	0.02
Valeraldehyde	0.13	0.14	0.08	0.07	0.18	0.07
Tolualdehydes	0.22	0.22	0.24	0.11	0.21	0.13
Hexaldehyde	0.18	0.18	0.12	0.15	0.24	0.13
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	0.06	0.01

^ Power failure during sampling.

% Received out of hold time.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	36759 R1	36760 D2	36760 R2	36904	36964 D1	36964 R1
SAMPLE DATE	11/17/2003	11/17/2003	11/17/2003	11/23/2003	11/29/2003	11/29/2003
ANALYSIS DATE	12/29/2003	12/29/2003	12/29/2003	12/18/2003	1/8/2004	1/8/2004
FILE NAME	F3L!029	F3L!030	F3L!031	V3LQ013	F4AH018	F4AH019
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	1.63	1.54	1.61	2.52	1.70	1.70
Acetaldehyde	1.45	1.43	1.50	1.54	2.85	2.84
Acetone	0.77	0.65	0.68	1.16	2.04	2.04
Propionaldehyde	0.20	0.20	0.21	0.16	0.05	0.05
Crotonaldehyde	0.08	0.08	0.08	0.07	0.08	0.09
Butyr/Isobutyraldehyde	0.27	0.25	0.27	0.32	0.33	0.34
Benzaldehyde	0.14	0.11	0.12	0.10	0.07	0.07
Isovaleraldehyde	0.02	0.04	0.03	0.02	ND	ND
Valeraldehyde	0.06	0.07	0.07	0.07	0.02	0.01
Tolualdehydes	0.13	0.15	0.14	0.10	0.11	0.10
Hexaldehyde	0.13	0.13	0.10	0.13	0.06	0.06
2,5-Dimethylbenzaldehyde	0.01 u	0.01 u	0.01 u	ND	ND	ND

^ Power failure during sampling.

% Received out of hold time.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	36965 D2	36965 R2	36985	37107	37232	37251
SAMPLE DATE	11/29/2003	11/29/2003	12/5/2003	12/11/2003	12/17/2003	12/23/2003
ANALYSIS DATE	1/8/2004	1/9/2004	1/11/2004	1/15/2004	1/30/2004	2/4/2004
FILE NAME	F4AH020	F4AH021	V4AK012	V4AN024	V4A#026	V4BB043
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	1.50	1.51	1.74	2.61	2.69	2.27
Acetaldehyde	3.04	3.03	1.47	1.97	1.80	1.49
Acetone	2.07	2.07	2.71	2.76	2.80	2.00
Propionaldehyde	0.04	0.04	0.19	0.18	0.19	0.13
Crotonaldehyde	0.07	0.07	0.07	0.10	0.13	0.07
Butyr/Isobutyraldehyde	0.31	0.31	0.41	0.42	0.57	0.24
Benzaldehyde	0.06	0.05	0.12	0.12	0.15	0.11
Isovaleraldehyde	ND	ND	0.03	0.02	ND	ND
Valeraldehyde	0.02	0.02	0.07	0.06	0.08	0.07
Tolualdehydes	0.08	0.09	0.14	0.18	0.20	0.12
Hexaldehyde	0.05	0.06	0.15	0.11	0.17	0.17
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

^ Power failure during sampling.

% Received out of hold time.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	37391
SAMPLE DATE	12/29/2003
ANALYSIS DATE	2/8/2004
FILE NAME	V4BG049
UNITS	ug/m3
Formaldehyde	2.42
Acetaldehyde	1.77
Acetone	2.90
Propionaldehyde	0.17
Crotonaldehyde	0.10
Butyr/Isobutyraldehyde	0.47
Benzaldehyde	0.16
Isovaleraldehyde	ND
Valeraldehyde	0.09
Tolualdehydes	0.17
Hexaldehyde	0.22
2,5-Dimethylbenzaldehyde	ND

^ Power failure during sampling.

% Received out of hold time.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3BX041	Meets	V3BX047	Meets	V3CC025	Meets	F3CL027	Meets
FB ID	Criteria	31645 FB	Criteria	31647 FB	Criteria	31847 FB	Criteria	32009 FB	Criteria
Sample date	per	1/15/2003		1/21/2003		2/2/2003		2/20/2003	
Date Analyzed	QAPP	2/25/2003	(Y/N)	2/25/2003	(Y/N)	3/4/2003	(Y/N)	3/13/2003	(Y/N)
Formaldehyde	<0.3	0.03	Y	0.02	Y	0.02	Y	0.06	Y
Acetaldehyde	<0.4	0.07	Y	0.06	Y	0.07	Y	0.07	Y
Acetone	<0.75	0.23	Y	0.21	Y	0.16	Y	0.19	Y
Propionaldehyde		0.01		0.01		0.01		0.01	
Crotonaldehyde		ND		ND		ND		ND	
Butyraldehyde		0.05		0.05		0.08		0.13	
Benzaldehyde		0.02		0.02		0.04		0.02	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.01		0.01	
Tolualdehydes		0.03		0.02		0.03		0.03	
Hexaldehyde		0.02		0.02		0.03		0.03	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.141	Y	0.126	Y	0.192	Y	0.215	Y

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	F3ES023 32822 FB 4/15/2003 5/20/2003	Meets Criteria (Y/N)	V3ES023 32931 FB 4/21/2003 5/20/2003	Meets Criteria (Y/N)	F3FE011 33167 FB 5/9/2003 6/5/2003	Meets Criteria (Y/N)	V3GG023 33516 FB 5/27/2003 7/8/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.04	Y	0.02	Y	0.02	Y	0.08	Y
Acetaldehyde	<0.4	0.06	Y	0.05	Y	0.04	Y	0.11	Y
Acetone	<0.75	0.15	Y	0.16	Y	0.14	Y	0.14	Y
Propionaldehyde		0.004		0.003		0.01		0.01	
Crotonaldehyde		0.01		0.02		0.03		0.01	
Butyraldehyde		0.21		0.10		0.21		0.06	
Benzaldehyde		0.01		0.01		0.01		0.02	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		ND		0.01		ND		ND	
Tolualdehydes		0.02		0.04		0.02		0.07	
Hexaldehyde		0.01		0.02		0.01		0.03	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.260	Y	0.207	Y	0.296	Y	0.194	Y

St. Louis, MO (S4MO) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	F3GX020 %33687 FB 6/14/2003 7/25/2003	Meets Criteria (Y/N)	V3G#031 33963 FB 6/20/2003 7/30/2003	Meets Criteria (Y/N)	F3HM010 34313 FB 7/8/2003 8/13/2003	Meets Criteria (Y/N)	F3H~022 34742 FB 7/26/2003 8/28/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.10	Y	0.14	Y	0.04	Y	0.03	Y
Acetaldehyde	<0.4	0.18	Y	0.10	Y	0.07	Y	0.08	Y
Acetone	<0.75	0.16	Y	0.14	Y	0.20	Y	0.23	Y
Propionaldehyde		0.01		ND		0.01		0.00	
Crotonaldehyde		0.02		0.01		0.02		0.09	
Butyraldehyde		0.21		0.05		0.06		0.04	
Benzaldehyde		0.01		0.03		0.01		0.01	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.01		0.01		ND		0.00	
Tolualdehydes		0.02		0.04		0.04		0.04	
Hexaldehyde		0.02		0.02		ND		0.03	
2,5-Dimethylbenzaldehyde		ND		ND		0.02		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.304	Y	0.152	Y	0.170	Y	0.219	Y

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(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	F3IO009 35234 FB 8/13/2003 9/15/2003	Meets Criteria (Y/N)	F3I#010 35536 FB 8/31/2003 9/29/2003	Meets Criteria (Y/N)	V3JO017 35660 FB 9/6/2003 10/15/2003	Meets Criteria (Y/N)	F3KC013 36061 FB 9/24/2003 11/3/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.04	Y	0.03	Y	0.05	Y	0.04	Y
Acetaldehyde	<0.4	0.06	Y	0.09	Y	0.12	Y	0.09	Y
Acetone	<0.75	0.18	Y	0.24	Y	0.27	Y	0.23	Y
Propionaldehyde		ND		0.01		0.01		0.01	
Crotonaldehyde		0.04		0.01		0.02		0.01	
Butyraldehyde		0.11		0.10		0.11		0.07	
Benzaldehyde		ND		0.01		0.02		0.01	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.01		0.02	
Tolualdehydes		0.02		0.04		0.02		0.03	
Hexaldehyde		0.02		0.02		0.02		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.198	Y	0.191	Y	0.214	Y	0.177	Y

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(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	V3KT014 36247 FB 10/12/2003 11/21/2003	Meets Criteria (Y/N)	F3LJ026 36473 FB 10/30/2003 12/11/2003	Meets Criteria (Y/N)	V3LN016 36594 FB 11/5/2003 12/15/2003	Meets Criteria (Y/N)	V3LQ008 36903 FB 11/23/2003 12/17/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.02	Y	0.03	Y	0.03	Y	0.06	Y
Acetaldehyde	<0.4	0.09	Y	0.12	Y	0.06	Y	0.09	Y
Acetone	<0.75	0.24	Y	0.17	Y	0.11	Y	0.10	Y
Propionaldehyde		0.01		0.01		0.003		0.003	
Crotonaldehyde		0.02		0.02		0.02		0.01	
Butyraldehyde		0.13		0.15		0.17		0.16	
Benzaldehyde		0.02		0.01		0.02		0.02	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.01		0.005	
Tolualdehydes		0.02		0.03		0.06		0.08	
Hexaldehyde		0.03		0.02		0.02		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.234	Y	0.255	Y	0.298	Y	0.293	Y

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(µg/cartridge)

Data File ID	Acceptance	V4AN023	Meets	V4BG050	Meets
FB ID	Criteria	37106 FB	Criteria	37390 FB	Criteria
Sample date	per	12/11/2003		12/29/2003	
Date Analyzed	QAPP	1/15/2004	(Y/N)	2/8/2004	(Y/N)
Formaldehyde	<0.3	0.07	Y	0.03	Y
Acetaldehyde	<0.4	0.05	Y	0.06	Y
Acetone	<0.75	0.08	Y	0.08	Y
Propionaldehyde		ND		0.001	
Crotonaldehyde		0.02		0.01	
Butyraldehyde		0.16		0.09	
Benzaldehyde		0.02		0.03	
Isovaleraldehyde		ND		ND	
Valeraldehyde		ND		0.01	
Tolualdehydes		0.07		0.05	
Hexaldehyde		0.02		0.03	
2,5-Dimethylbenzaldehyde		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.292	Y	0.225	Y

Souix Falls, SD (SFSD) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31427	31485	31582	31656	31763	31820
SAMPLE DATE		1/3/2003	1/9/2003	1/15/2003	1/21/2003	1/27/2003	2/2/2003
ANALYSIS DATE		VOID	2/11/2003	2/13/2003	2/26/2003	2/27/2003	3/4/2003
FILE NAME	MDL	VOID	V3BJ040	V3BL021	V3BZ015	F3BZ007	V3CC032
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.020		2.96	15.00 D	2.43	2.64	3.14
Acetaldehyde	0.012		0.80	5.81	1.10	1.15	1.06
Acetone	0.011		0.74	5.39	0.97	1.18	1.12
Propionaldehyde	0.003		0.08	0.54	0.09	0.15	0.10
Crotonaldehyde	0.004		0.01	0.05	0.01	0.01	0.01
Butyr/Isobutyraldehyde	0.006		0.13	0.61	0.12	0.15	0.15
Benzaldehyde	0.001		0.04	0.13	0.03	0.03	0.04
Isovaleraldehyde	0.001		0.01	0.04	ND	ND	0.01
Valeraldehyde	0.001		0.04	0.21	0.03	0.05	0.04
Tolualdehydes	0.003		0.03	0.11	0.02	0.03	0.03
Hexaldehyde	0.001		0.05	0.19	0.04	0.07	0.07
2,5-Dimethylbenzaldehyde	0.002		ND	ND	ND	ND	ND

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

Souix Falls, SD (SFSD) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31867	31968	32071	32108 D1	32110 D2	32240
SAMPLE DATE		2/8/2003	2/14/2003	2/20/2003	2/26/2003	2/26/2003	3/4/2003
ANALYSIS DATE		3/3/2003	3/11/2003	3/13/2003	VOID	VOID	4/4/2003
FILE NAME	MDL	F3CC009	F3CJ011	V3CL018	VOID	VOID	F3DC020
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.020	1.65	1.59	1.28			1.35
Acetaldehyde	0.012	0.74	0.90	0.94			0.81
Acetone	0.011	0.73	0.98	1.09			1.01
Propionaldehyde	0.003	0.06	0.11	0.06			0.06
Crotonaldehyde	0.004	0.004 u	0.004 u	0.005 u			0.01
Butyr/Isobutyraldehyde	0.006	0.10	0.12	0.09			0.08
Benzaldehyde	0.001	0.02	0.03	0.02			0.02
Isovaleraldehyde	0.001	ND	ND	ND			ND
Valeraldehyde	0.001	0.02	0.03	0.02			0.02
Tolualdehydes	0.003	0.02	0.02	0.03			0.02
Hexaldehyde	0.001	0.02	0.03	0.03			0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND			ND

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

Souix Falls, SD (SFSD) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32276	32366	32441	32492 D1	32494 D2	32609
SAMPLE DATE		3/10/2003	3/16/2003	3/22/2003	3/28/2003	3/28/2003	4/3/2003
ANALYSIS DATE		4/11/2003	4/15/2003	4/18/2003	VOID	VOID	5/10/2003
FILE NAME	MDL	F3DJ023	F3DN024	F3DP055	VOID	VOID	F3EI039
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.020	1.74	2.35	2.56			1.01
Acetaldehyde	0.012	1.04	1.37	1.05			0.62
Acetone	0.011	1.48	1.77	1.29			1.00
Propionaldehyde	0.003	0.11	0.15	0.10			0.08
Crotonaldehyde	0.004	0.02	0.02	0.02			0.02
Butyr/Isobutyraldehyde	0.006	0.18	0.20	0.22			0.15
Benzaldehyde	0.001	0.02	0.04	0.03			0.02
Isovaleraldehyde	0.001	ND	ND	ND			ND
Valeraldehyde	0.001	0.02	0.03	0.06			0.02
Tolualdehydes	0.003	0.03	0.03	0.04			0.03
Hexaldehyde	0.001	0.03	0.05	0.03			0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND			ND

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

Souix Falls, SD (SFSD) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32694	32799	32813	32941	33088	33174
SAMPLE DATE		4/9/2003	4/15/2003	4/21/2003	4/27/2003	5/3/2003	5/9/2003
ANALYSIS DATE		5/16/2003	5/23/2003	5/20/2003	5/21/2003	6/3/2003	6/5/2003
FILE NAME	MDL	V3EO021	V3EW010	F3ES028	V3EU015	F3FC007	F3FE018
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.020	1.68	3.73	1.99	2.10	2.18	1.35
Acetaldehyde	0.012	1.07	1.66	0.81	1.05	0.84	0.60
Acetone	0.011	1.52	0.77	1.36	1.43	1.25	1.01
Propionaldehyde	0.003	0.08	0.29	0.08	0.12	0.12	0.07
Crotonaldehyde	0.004	0.02	0.04	0.02	0.02	0.02	0.01
Butyr/Isobutyraldehyde	0.006	0.13	0.18	0.25	0.12	0.16	0.12
Benzaldehyde	0.001	0.02	0.04	0.02	0.03	0.06	0.04
Isovaleraldehyde	0.001	ND	0.02	ND	0.01	ND	0.002
Valeraldehyde	0.001	0.02	0.06	0.02	0.03	0.03	0.02
Tolualdehydes	0.003	0.03	0.05	0.02	0.03	0.04	0.03
Hexaldehyde	0.001	0.03	0.07	0.03	0.03	0.03	0.03
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

Souix Falls, SD (SFSD) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		33304 D1	33306 D2	33380	33413	33509	33581
SAMPLE DATE		5/15/2003	5/15/2003	5/21/2003	5/27/2003	6/3/2003	6/8/2003
ANALYSIS DATE		VOID	VOID	7/1/2003	7/3/2003	7/16/2003	7/16/2003
FILE NAME	MDL	VOID	VOID	V3F\$025	V3GB017	V3GO021	V3GO031
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.020			2.11	3.41	2.53	2.00
Acetaldehyde	0.012			0.84	1.28	0.95	0.83
Acetone	0.011			1.64	1.17	1.48	0.87
Propionaldehyde	0.003			0.12	0.20	0.12	0.10
Crotonaldehyde	0.004			0.02	0.06	0.06	0.05
Butyr/Isobutyraldehyde	0.006			0.11	0.14	0.10	0.08
Benzaldehyde	0.001			0.04	0.09	0.04	0.04
Isovaleraldehyde	0.001			0.01	0.02	ND	0.01
Valeraldehyde	0.001			0.03	0.05	0.03	0.03
Tolualdehydes	0.003			0.03	0.04	0.03	0.04
Hexaldehyde	0.001			0.04	0.05	0.04	0.03
2,5-Dimethylbenzaldehyde	0.002			ND	ND	ND	ND

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

Souix Falls, SD (SFSD) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		*33679	33844	34014 D1	34014 R1	34016 D2	34016 R2
SAMPLE DATE		6/14/2003	6/20/2003	6/26/2003	6/26/2003	6/26/2006	6/26/2006
ANALYSIS DATE		7/25/2003	7/29/2003	7/31/2003	7/31/2003	7/31/2003	7/31/2003
FILE NAME	MDL	F3GX021	V3G#020	F3G\$045	F3G\$046	F3G\$047	F3G\$048
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.020	4.56	3.92	3.16	3.16	3.09	3.13
Acetaldehyde	0.012	1.47	1.28	1.10	1.11	1.07	1.08
Acetone	0.011	1.33	1.13	1.08	1.08	1.01	1.03
Propionaldehyde	0.003	0.17	0.18	0.14	0.13	0.13	0.13
Crotonaldehyde	0.004	0.07	0.06	0.07	0.07	0.07	0.09
Butyr/Isobutyraldehyde	0.006	0.27	0.03	0.13	0.13	0.12	0.13
Benzaldehyde	0.001	0.08	0.06	0.05	0.05	0.05	0.05
Isovaleraldehyde	0.001	0.01	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.06	0.06	0.04	0.05	0.04	0.04
Tolualdehydes	0.003	0.04	0.04	0.04	0.04	0.03	0.03
Hexaldehyde	0.001	0.06	0.01	0.04	0.04	0.04	0.04
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

Souix Falls, SD (SFSD) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		34184	34240	34373 D1	34375 D2	34542	34662
SAMPLE DATE		7/2/2003	7/8/2003	7/14/2003	7/14/2003	7/20/2003	7/26/2003
ANALYSIS DATE		VOID	8/14/2003	VOID	VOID	VOID	VOID
FILE NAME	MDL	VOID	F3HN016	VOID	VOID	VOID	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.020		2.09				
Acetaldehyde	0.012		0.73				
Acetone	0.011		0.41				
Propionaldehyde	0.003		0.11				
Crotonaldehyde	0.004		0.04				
Butyr/Isobutyraldehyde	0.006		0.08				
Benzaldehyde	0.001		0.04				
Isovaleraldehyde	0.001		ND				
Valeraldehyde	0.001		0.02				
Tolualdehydes	0.003		0.04				
Hexaldehyde	0.001		0.03				
2,5-Dimethylbenzaldehyde	0.002		ND				

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

Souix Falls, SD (SFSD) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		34779	34891	35066	35189	35393	35474
SAMPLE DATE		8/1/2003	8/7/2003	8/13/2003	8/19/2003	8/27/2003	8/31/2003
ANALYSIS DATE		9/4/2003	8/20/2003	9/9/2003	VOID	9/26/2003	10/8/2003
FILE NAME	MDL	V3IC020	V3HS026	F3II022	VOID	F3IY023	V3JH010
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.020	4.13	5.13	2.35		2.13	1.35
Acetaldehyde	0.012	1.60	0.74	0.69		3.36	3.92
Acetone	0.011	1.55	0.65	0.80		0.36	0.76
Propionaldehyde	0.003	0.15	0.05	0.08		0.11	0.02
Crotonaldehyde	0.004	0.10	0.02	0.05		0.12	0.05
Butyr/Isobutyraldehyde	0.006	0.13	0.02	0.09		0.09	0.06
Benzaldehyde	0.001	0.06	0.07	0.05		0.03	0.02
Isovaleraldehyde	0.001	0.03	ND	ND		ND	ND
Valeraldehyde	0.001	0.05	0.02	0.03		0.03	0.02
Tolualdehydes	0.003	0.06	0.07	0.04		0.03	0.02
Hexaldehyde	0.001	0.05	0.03	0.03		0.03	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND		ND	ND

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

Souix Falls, SD (SFSD) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		35560	35690	35837	36050	36052	36146
SAMPLE DATE		9/6/2003	9/12/2003	9/18/2003	9/24/2003	9/30/2003	10/6/2003
ANALYSIS DATE		10/16/2003	10/15/2003	10/28/2003	11/4/2003	11/5/2003	11/12/2003
FILE NAME	MDL	V3JO027	F3JO013	F3JI013	F3KC018	V3KE011	V3KK017
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.020	2.83	2.29	1.33	1.81	2.04	4.55
Acetaldehyde	0.012	2.11	1.37	0.92	2.76	2.56	5.33
Acetone	0.011	0.83	0.52	0.49	0.94	1.26	1.40
Propionaldehyde	0.003	0.07	0.05	0.03	0.051	0.05	0.17
Crotonaldehyde	0.004	0.05	0.03	0.02	0.02	0.02	0.05
Butyr/Isobutyraldehyde	0.006	0.13	0.06	0.04	0.06	0.07	0.12
Benzaldehyde	0.001	0.04	0.03	0.02	0.02	0.02	0.04
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	0.005
Valeraldehyde	0.001	0.04	0.02	0.01	0.016	0.01	0.03
Tolualdehydes	0.003	0.02	0.05	0.02	0.01	0.02	0.04
Hexaldehyde	0.001	0.03	0.02	0.02	0.017	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

Souix Falls, SD (SFSD) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36197	36277	36346 D1	36348 D2	36485	36559 D1
SAMPLE DATE		10/12/2003	10/18/2003	10/24/2003	10/24/2003	10/30/2003	11/5/2003
ANALYSIS DATE		11/10/2003	11/25/2003	VOID	VOID	12/11/2003	12/2/2003
FILE NAME	MDL	V3KJ007	V3KX020	VOID	VOID	F3LJ027	V3LA029
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.020	2.33	4.45			1.16	1.48
Acetaldehyde	0.012	1.96	6.22			1.78	1.01
Acetone	0.011	0.63	0.98			0.55	0.92
Propionaldehyde	0.003	0.07	0.12			0.02	0.02
Crotonaldehyde	0.004	0.02	0.04			0.02	0.02
Butyr/Isobutyraldehyde	0.006	0.11	0.18			0.06	0.12
Benzaldehyde	0.001	0.02	0.03			0.01	0.01
Isovaleraldehyde	0.001	ND	ND			ND	ND
Valeraldehyde	0.001	0.05	0.08			0.01	0.01
Tolualdehydes	0.003	0.01	0.06			0.01	0.02
Hexaldehyde	0.001	0.03	0.04			0.02	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND			ND	ND

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

Souix Falls, SD (SFSD) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36559 R1	36561 D2	36561 R2	36684 D1	36684 R1	36686 D2
SAMPLE DATE		11/5/2003	11/5/2003	11/5/2003	11/11/2003	11/11/2003	11/11/2003
ANALYSIS DATE		12/2/2003	12/2/2003	12/2/2003	12/16/2003	12/16/2003	12/16/2003
FILE NAME	MDL	V3LA030	V3LA031	V3LA032	F3LN038	F3LN039	F3LN040
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.020	1.49	1.63	1.63	1.90	1.96	1.81
Acetaldehyde	0.012	1.02	1.07	1.07	1.83	1.87	1.78
Acetone	0.011	0.93	0.97	0.97	1.35	1.37	1.06
Propionaldehyde	0.003	0.02	0.03	0.03	0.04	0.04	0.04
Crotonaldehyde	0.004	0.02	0.03	0.02	0.03	0.03	0.03
Butyr/Isobutyraldehyde	0.006	0.12	0.13	0.12	0.08	0.09	0.07
Benzaldehyde	0.001	0.01	0.01	0.01	0.02	0.02	0.02
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.02	0.02	0.02	0.01	0.01	0.01
Tolualdehydes	0.003	0.02	0.02	0.02	0.02	0.02	0.02
Hexaldehyde	0.001	0.01	0.01	0.01	0.01	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

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SAMPLE #		36686 R2	36834	36837	36975	37068	37070
SAMPLE DATE		11/11/2003	11/17/2003	11/23/2003	11/30/2003	12/5/03	12/8/03
ANALYSIS DATE		12/16/2003	12/28/2003	12/30/2003	12/31/2003	1/13/04	1/13/04
FILE NAME	MDL	F3LN041	F3LI010	F3LS011	F3L%009	V4AL021	V4AL022
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.020	1.80	1.90	1.79	1.48	1.11	1.44
Acetaldehyde	0.012	1.77	1.89	1.25	1.51	1.39	1.87
Acetone	0.011	1.05	1.23	0.75	0.83	0.66	1.14
Propionaldehyde	0.003	0.04	0.07	0.03	0.03	0.02	0.04
Crotonaldehyde	0.004	0.02	0.03	0.01	0.02	0.01	0.02
Butyr/Isobutyraldehyde	0.006	0.07	0.10	0.09	0.08	0.08	0.10
Benzaldehyde	0.001	0.02	0.02	0.01	0.02	0.01	0.02
Isovaleraldehyde	0.001	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.02	0.01	0.01	0.01
Tolualdehydes	0.003	0.02	0.02	0.02	0.02	0.02	0.02
Hexaldehyde	0.001	0.02	0.02	0.02	0.02	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

Souix Falls, SD (SFSD) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		37101	37209	37299	37302
SAMPLE DATE		12/11/03	12/17/03	12/23/03	12/29/03
ANALYSIS DATE		1/15/04	1/30/04	VOID	VOID
FILE NAME	MDL	V4AN022	V4A#020	VOID	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.020	1.42	2.86		
Acetaldehyde	0.012	1.70	2.54		
Acetone	0.011	1.02	1.16		
Propionaldehyde	0.003	0.05	0.10		
Crotonaldehyde	0.004	0.02	0.03		
Butyr/Isobutyraldehyde	0.006	0.10	0.14		
Benzaldehyde	0.001	0.02	0.03		
Isovaleraldehyde	0.001	ND	0.01		
Valeraldehyde	0.001	0.01	0.02		
Tolualdehydes	0.003	0.02	0.04		
Hexaldehyde	0.001	0.01	0.03		
2,5-Dimethylbenzaldehyde	0.002	ND	ND		

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

Souix Falls, SD (SFSD) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3BL020	Meets	V3BZ016	Meets	V3CC033	Meets	V3CL017	Meets
FB ID	Criteria	31581 FB	Criteria	31655 FB	Criteria	31819 FB	Criteria	32070 FB	Criteria
Sample date	per	1/15/2003		1/21/2003		2/2/2003		2/20/2003	
Date Analyzed	QAPP	2/12/2003	(Y/N)	2/26/2003	(Y/N)	3/4/2003	(Y/N)	3/13/2003	(Y/N)
Formaldehyde	<0.3	0.066	Y	0.046	Y	0.274	Y	0.023	Y
Acetaldehyde	<0.4	0.079	Y	0.078	Y	0.130	Y	0.063	Y
Acetone	<0.75	0.335	Y	0.226	Y	0.373	Y	0.191	Y
Propionaldehyde		0.015		0.010		0.017		0.008	
Crotonaldehyde		ND		ND		ND		ND	
Butyraldehyde		0.049		0.061		0.071		0.055	
Benzaldehyde		0.017		0.018		0.025		0.015	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.006		0.011		0.010		0.005	
Tolualdehydes		0.030		0.023		0.037		0.025	
Hexaldehyde		0.023		0.027		0.046		0.023	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.139	Y	0.149	Y	0.206	Y	0.131	Y

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(µg/cartridge)

Data File ID	Acceptance	F3DJ020	Meets	F3DN023	Meets	V3EW009	Meets	F3ES029	Meets
FB ID	Criteria	32275 FB	Criteria	32365 FB	Criteria	32798 FB	Criteria	32812 FB	Criteria
Sample date	per	3/10/2003		3/16/2003		4/15/2003		4/21/2003	
Date Analyzed	QAPP	4/11/2003	(Y/N)	4/15/2003	(Y/N)	5/23/2003	(Y/N)	5/20/2003	(Y/N)
Formaldehyde	<0.3	0.066	Y	0.031	Y	0.080	Y	0.065	Y
Acetaldehyde	<0.4	0.140	Y	0.033	Y	0.046	Y	0.054	Y
Acetone	<0.75	0.183	Y	0.160	Y	0.140	Y	0.165	Y
Propionaldehyde		0.011		ND		ND		ND	
Crotonaldehyde		ND		ND		0.009		0.016	
Butyraldehyde		0.117		0.101		0.126		0.326	
Benzaldehyde		ND		0.010		0.017		0.014	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.007		0.004		ND		ND	
Tolualdehydes		0.013		0.010		0.050		0.012	
Hexaldehyde		0.024		0.010		0.019		0.016	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.171	Y	0.134	Y	0.219	Y	0.383	Y

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(µg/cartridge)

Data File ID	Acceptance	F3FE017	Meets	V3GB018	Meets	%F3GX022	Meets	V3G#021	Meets
FB ID	Criteria	33173 FB	Criteria	33412 FB	Criteria	33678 FB	Criteria	33843 FB	Criteria
Sample date	per	5/9/2003		5/27/2003		6/14/2003		6/20/2003	
Date Analyzed	QAPP	6/5/2003	(Y/N)	7/3/2003	(Y/N)	7/25/2003	(Y/N)	7/29/2003	(Y/N)
Formaldehyde	<0.3	0.048	Y	0.143	Y	0.138	Y	0.115	Y
Acetaldehyde	<0.4	0.050	Y	0.088	Y	0.103	Y	0.090	Y
Acetone	<0.75	0.163	Y	0.125	Y	0.161	Y	0.179	Y
Propionaldehyde		0.006		ND		0.009		0.010	
Crotonaldehyde		0.014		0.014		0.014		ND	
Butyraldehyde		0.180		0.075		0.330		0.038	
Benzaldehyde		0.009		0.012		0.015		0.022	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.004		0.007		0.020		0.013	
Tolualdehydes		0.005		0.035		0.016		0.034	
Hexaldehyde		0.013		0.027		0.003		0.012	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.230	Y	0.169	Y	0.406	Y	0.128	Y

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(µg/cartridge)

Data File ID	Acceptance	F3HN017	Meets	F3H~007	Meets	F3II023	Meets	V3JH009	Meets
FB ID	Criteria	34239 FB	Criteria	34661 FB	Criteria	35065 FB	Criteria	35473 FB	Criteria
Sample date	per	7/8/2003		7/26/2003		8/13/2003		8/31/2003	
Date Analyzed	QAPP	8/14/2003	(Y/N)	8/27/2003	(Y/N)	9/9/2003	(Y/N)	10/8/2003	(Y/N)
Formaldehyde	<0.3	0.052	Y	0.080	Y	0.038	Y	0.043	Y
Acetaldehyde	<0.4	0.195	Y	0.145	Y	0.089	Y	0.087	Y
Acetone	<0.75	0.207	Y	0.233	Y	0.220	Y	0.266	Y
Propionaldehyde		0.012		0.009		0.009		0.007	
Crotonaldehyde		0.042		0.035		0.010		0.025	
Butyraldehyde		0.071		0.038		0.133		0.077	
Benzaldehyde		0.012		0.013		0.016		0.019	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.009		ND		0.008		0.008	
Tolualdehydes		0.021		0.042		0.028		0.022	
Hexaldehyde		ND		0.035		0.022		0.026	
2,5-Dimethylbenzaldehyde		0.026		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.193	Y	0.170	Y	0.225	Y	0.182	Y

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(µg/cartridge)

Data File ID	Acceptance	V3JO026	Meets	F3KC019	Meets	V3KJ008	Meets	F3LJ028	Meets
FB ID	Criteria	35559 FB	Criteria	36049 FB	Criteria	36196 FB	Criteria	36484 FB	Criteria
Sample date	per	9/6/2003		9/24/2003		10/12/2003		10/30/2003	
Date Analyzed	QAPP	10/16/2003	(Y/N)	11/4/2003	(Y/N)	11/10/2003	(Y/N)	12/11/2003	(Y/N)
Formaldehyde	<0.3	0.059	Y	0.086	Y	0.040	Y	0.041	Y
Acetaldehyde	<0.4	0.094	Y	0.179	Y	0.123	Y	0.218	Y
Acetone	<0.75	0.271	Y	0.267	Y	0.252	Y	0.289	Y
Propionaldehyde		0.009		0.018		0.010		0.023	
Crotonaldehyde		ND		0.027		0.018		ND	
Butyraldehyde		0.175		0.091		0.084		0.140	
Benzaldehyde		0.019		0.019		0.019		0.021	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.023		0.031		ND		0.016	
Tolualdehydes		0.026		0.028		0.031		0.017	
Hexaldehyde		0.029		0.030		0.033		0.032	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.280	Y	0.242	Y	0.194	Y	0.247	Y

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(µg/cartridge)

Data File ID	Acceptance	F3L\$012	Meets	F3L%010	Meets	V4AN019	Meets	VOID	Meets
FB ID	Criteria	36836 FB	Criteria	36974 FB	Criteria	37100 FB	Criteria	37301 FB	Criteria
Sample date	per	11/23/2003		11/30/2003		12/11/03		12/29/03	
Date Analyzed	QAPP	12/30/2003	(Y/N)	12/31/2003	(Y/N)	1/15/04	(Y/N)	VOID	(Y/N)
Formaldehyde	<0.3	0.075	Y	0.060	Y	0.045	Y		Y
Acetaldehyde	<0.4	0.074	Y	0.079	Y	0.062	Y		Y
Acetone	<0.75	0.134	Y	0.118	Y	0.109	Y		Y
Propionaldehyde		0.005		0.008		0.002			
Crotonaldehyde		0.015		0.022		0.014			
Butyraldehyde		0.145		0.148		0.159			
Benzaldehyde		0.015		0.013		0.024			
Isovaleraldehyde		ND		0.011		ND			
Valeraldehyde		0.003		0.003		0.003			
Tolualdehydes		0.045		0.056		0.060			
Hexaldehyde		0.014		0.016		0.028			
2,5-Dimethylbenzaldehyde		ND		ND		ND			
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.241	Y	0.276	Y	0.288	Y	0.000	Y

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SAMPLE #		31459	31563	31756 D1	31756 R1	31757 D2	31757 R2
SAMPLE DATE		1/3/2003	1/15/2003	1/27/2003	1/27/2003	1/27/2003	1/27/2003
ANALYSIS DATE		2/6/2003	2/24/2003	2/28/2003	2/28/2003	2/28/2003	2/28/2003
FILE NAME	MDL	V3BE032	V3BX014	F3BZ027	F3BZ028	F3BZ029	F3BZ030
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	2.20	2.30	2.54	2.54	2.54	2.54
Acetaldehyde	0.014	0.82	1.48	1.23	1.25	1.26	1.27
Acetone	0.014	0.36	0.67	0.28	0.28	0.29	0.01 u
Propionaldehyde	0.003	0.09	0.09	0.19	0.20	0.21	0.21
Crotonaldehyde	0.005	ND	0.003 u	0.01	0.01	0.01	0.01
Butyr/Isobutyraldehyde	0.007	0.07	0.10	0.16	0.17	0.17	0.17
Benzaldehyde	0.001	0.02	0.04	0.07	0.06	0.06	0.06
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.02	0.02	0.02	0.02	0.03	0.02
Tolualdehydes	0.004	0.02	0.02	0.04	0.03	0.03	0.04
Hexaldehyde	0.002	0.02	0.02	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

D Diluted value.

u Under detection limit.

ND Not detected.

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SAMPLE #		31863	32423	32535 D1	32535 R1	32537 D2	32537 R2
SAMPLE DATE		2/8/2003	3/16/2003	3/28/2003	3/28/2003	3/28/2003	3/28/2003
ANALYSIS DATE		3/3/2003	4/24/2003	5/8/2003	5/8/2003	5/8/2003	5/8/2003
FILE NAME	MDL	F3CC011	F3DX007	F3EH004	F3EH005	F3EH006	F3EH007
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	1.92	2.13	2.14	2.11	2.16	2.18
Acetaldehyde	0.014	1.16	5.57	4.44	4.42	4.27	4.29
Acetone	0.014	0.18	0.26	0.32	0.32	0.31	0.30
Propionaldehyde	0.003	0.18	0.13	0.07	0.07	0.09	0.09
Crotonaldehyde	0.005	0.01	0.10	0.10	0.09	0.10	0.10
Butyr/Isobutyraldehyde	0.007	0.15	0.26	0.14	0.14	0.15	0.14
Benzaldehyde	0.001	0.04	0.02	0.02	0.02	0.02	0.02
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.02	0.03	0.02	0.03	0.04	0.05
Tolualdehydes	0.004	0.03	0.01	0.01	0.01	0.01	0.02
Hexaldehyde	0.002	0.02	0.03	0.03	0.02	0.03	0.03
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

D Diluted value.

u Under detection limit.

ND Not detected.

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SAMPLE #		32676	32896	33104	33248 D1	33248 R1	33250 D2
SAMPLE DATE		4/9/2003	4/21/2003	5/3/2003	5/15/2003	5/15/2003	5/15/2003
ANALYSIS DATE		5/9/2003	5/30/2003	6/2/2003	6/6/2003	6/6/2003	6/6/2003
FILE NAME	MDL	F3EH025	V3E#030	F3FB018	V3FE037	V3FE038	V3FE039
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	1.34	1.37	2.66	4.36	4.34	4.29
Acetaldehyde	0.014	4.80	0.99	4.40	3.31	3.32	3.49
Acetone	0.014	0.28	0.11	0.79	0.54	0.53	0.55
Propionaldehyde	0.003	0.16	0.11	0.07	0.35	0.34	0.33
Crotonaldehyde	0.005	0.08	0.06	0.13	0.11	0.11	0.10
Butyr/Isobutyraldehyde	0.007	0.09	0.06	0.18	0.31	0.30	0.30
Benzaldehyde	0.001	0.01	0.02	0.03	0.05	0.05	0.05
Isovaleraldehyde	0.002	ND	0.003	ND	0.03	0.02	0.02
Valeraldehyde	0.001	0.01	0.02	0.03	0.09	0.09	0.08
Tolualdehydes	0.004	0.01	0.02	0.04	0.04	0.04	0.03
Hexaldehyde	0.002	0.01	0.02	0.03	0.03	0.03	0.04
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

D Diluted value.

u Under detection limit.

ND Not detected.

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SAMPLE #		33250 R2	33378	33628	34012	34227	34340	
SAMPLE DATE		5/15/2003	5/27/2003	6/8/2003	6/20/2003	7/2/2003	7/14/2003	
ANALYSIS DATE		6/6/2003	7/7/2003	7/16/2003	7/30/2003	8/7/2003	8/14/2003	
FILE NAME	MDL	V3FE040	V3GG019	V3GO033	V3G#028	F3HF046	F3HM025	
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	
Formaldehyde	0.023	4.25	2.27	1.01	1.09	1.77	18.33	D
Acetaldehyde	0.014	3.49	2.67	4.10	2.90	6.99	4.40	
Acetone	0.014	0.54	0.43	0.20	0.26	0.36	0.34	
Propionaldehyde	0.003	0.36	0.34	0.11	0.16	0.07	1.72	
Crotonaldehyde	0.005	0.11	0.08	0.06	0.10	0.13	0.35	
Butyr/Isobutyraldehyde	0.007	0.31	0.13	0.06	0.13	0.12	7.48	D
Benzaldehyde	0.001	0.06	0.04	0.02	0.01	0.03	0.22	
Isovaleraldehyde	0.002	0.03	ND	ND	ND	0.02	0.16	
Valeraldehyde	0.001	0.09	0.02	0.01	0.03	0.02	0.94	
Tolualdehydes	0.004	0.04	0.03	0.01	0.02	0.02	0.57	
Hexaldehyde	0.002	0.03	0.02	0.01	0.02	0.02	0.20	
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	0.005	

D Diluted value.

u Under detection limit.

ND Not detected.

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SAMPLE #		34739	34908
SAMPLE DATE		7/26/2003	8/7/2003
ANALYSIS DATE		VOID	8/20/2003
FILE NAME	MDL	VOID	V3HS022
UNITS	ppbv	ppbv	ppbv
Formaldehyde	0.023		2.17
Acetaldehyde	0.014		2.64
Acetone	0.014		0.39
Propionaldehyde	0.003		0.17
Crotonaldehyde	0.005		0.13
Butyr/Isobutyraldehyde	0.007		0.21
Benzaldehyde	0.001		0.02
Isovaleraldehyde	0.002		ND
Valeraldehyde	0.001		0.03
Tolualdehydes	0.004		0.04
Hexaldehyde	0.002		0.02
2,5-Dimethylbenzaldehyde	0.002		ND

D Diluted value.

u Under detection limit.

ND Not detected.

San Juan, PR (SJPR) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3BX013	Meets	F3DX008	Meets	V3E#031	Meets	V3GG011	Meets
FB ID	Criteria	31562 FB	Criteria	32422 FB	Criteria	32895 FB	Criteria	33377 FB	Criteria
Sample date	per	1/15/2003		3/16/2003		4/21/2003		5/27/2003	
Date Analyzed	QAPP	2/24/2003	(Y/N)	4/24/2003	(Y/N)	5/30/2003	(Y/N)	7/7/2003	(Y/N)
Formaldehyde	<0.3	0.023	Y	0.037	Y	0.023	Y	0.071	Y
Acetaldehyde	<0.4	0.096	Y	0.050	Y	0.038	Y	0.074	Y
Acetone	<0.75	0.214	Y	0.123	Y	0.130	Y	0.118	Y
Propionaldehyde		0.008		0.008		0.005		0.006	
Crotonaldehyde		ND		0.010		0.021		0.026	
Butyraldehyde		0.053		0.186		0.104		0.043	
Benzaldehyde		0.006		0.008		0.015		0.016	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.006		0.023		ND		ND	
Tolualdehydes		0.026		0.035		0.027		0.031	
Hexaldehyde		0.029		0.014		0.015		0.020	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.127	Y	0.281	Y	0.186	Y	0.141	Y

San Juan, PR (SJPR) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3G#029	Meets	V3IB031	Meets
FB ID	Criteria	FB 34011	Criteria	34738 FB	Criteria
Sample date	per	6/20/2003		7/26/2003	
Date Analyzed	QAPP	7/30/2003	(Y/N)	9/3/2003	(Y/N)
Formaldehyde	<0.3	0.114	Y	0.023	Y
Acetaldehyde	<0.4	0.166	Y	0.124	Y
Acetone	<0.75	0.158	Y	0.260	Y
Propionaldehyde		ND		0.011	
Crotonaldehyde		0.033		0.117	
Butyraldehyde		0.074		ND	
Benzaldehyde		0.025		0.017	
Isovaleraldehyde		ND		ND	
Valeraldehyde		0.016		ND	
Tolualdehydes		0.072		ND	
Hexaldehyde		0.010		ND	
2,5-Dimethylbenzaldehyde		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.229	Y	0.144	Y

Salt Lake City, UT (SLCU) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31473	31500
SAMPLE DATE		1/3/2003	1/9/2003
ANALYSIS DATE		2/11/2003	2/6/2003
FILE NAME	MDL	V3BJ041	V3BE045
UNITS	ppbv	ppbv	ppbv
Formaldehyde	0.023	2.86	3.25
Acetaldehyde	0.014	2.21	3.27
Acetone	0.014	2.51	4.18
Propionaldehyde	0.003	0.25	0.34
Crotonaldehyde	0.005	0.02	0.04
Butyr/Isobutyraldehyde	0.007	0.22	0.36
Benzaldehyde	0.001	0.08	0.11
Isovaleraldehyde	0.002	ND	ND
Valeraldehyde	0.001	0.05	0.06
Tolualdehydes	0.004	0.05	0.05
Hexaldehyde	0.002	0.03	0.04
2,5-Dimethylbenzaldehyde	0.002	ND	ND

St. Louis, MO (SLMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31497	31491	31642	31644	31841 D1	31841 R1
SAMPLE DATE		1/3/2003	1/9/2003	1/15/2003	1/21/2003	1/27/2003	1/27/2003
ANALYSIS DATE		2/11/2003	2/11/2003	2/25/2003	2/25/2003	4/8/2003	4/8/2003
FILE NAME	MDL	V3BJ034	V3BJ036	V3BX048	V3BX040	F3DH010	F3DH011
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	2.73	3.34	2.42	1.88	2.28	2.29
Acetaldehyde	0.014	1.24	1.07	1.28	1.10	0.97	0.97
Acetone	0.014	1.76	1.00	1.38	0.98	0.94	0.94
Propionaldehyde	0.003	0.10	0.10	0.11	0.07	0.09	0.09
Crotonaldehyde	0.005	0.01	0.01	0.01	0.01	0.00 u	0.00 u
Butyr/Isobutyraldehyde	0.007	0.13	0.09	0.16	0.10	0.08	0.09
Benzaldehyde	0.001	0.05	0.04	0.05	0.02	0.02	0.02
Isovaleraldehyde	0.002	0.01	ND	0.01	ND	ND	ND
Valeraldehyde	0.001	0.02	0.02	0.02	0.01	0.01	0.01
Tolualdehydes	0.004	0.03	0.02	0.04	0.02	0.03	0.02
Hexaldehyde	0.002	0.03	0.02	0.03	0.01	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Pre flow 730 per field personnel.

* Analyzed out of hold time.

u Under detection limit.

D Diluted value.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (SLMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31842 D2	31842 R2	31846	#32003	32005	32008
SAMPLE DATE		1/27/2003	1/27/2003	2/2/2003	2/8/2003	2/14/2003	2/20/2003
ANALYSIS DATE		4/8/2003	4/8/2003	3/4/2003	3/10/2003	3/10/2003	3/13/2003
FILE NAME	MDL	F3DH008	F3DH009	V3CC026	F3CJ007	F3CJ009	F3CL025
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	2.31	2.30	7.63	3.21	2.89	3.58
Acetaldehyde	0.014	0.96	0.96	1.73	1.19	3.16	3.37
Acetone	0.014	0.91	0.90	2.25	1.14	1.55	2.32
Propionaldehyde	0.003	0.09	0.09	0.16	0.11	0.11	0.06
Crotonaldehyde	0.005	0.00 u	0.00 u	0.01	0.04	0.03	0.04
Butyr/Isobutyraldehyde	0.007	0.08	0.08	0.19	0.14	0.18	0.21
Benzaldehyde	0.001	0.02	0.02	0.04	0.03	0.04	0.05
Isovaleraldehyde	0.002	ND	ND	0.01	0.01	0.01	0.01
Valeraldehyde	0.001	0.01	0.01	0.03	0.03	0.03	0.03
Tolualdehydes	0.004	0.03	0.03	0.06	0.05	0.02	0.03
Hexaldehyde	0.002	0.02	0.02	0.04	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	0.01

^ Pre flow 730 per field personnel.

* Analyzed out of hold time.

u Under detection limit.

D Diluted value.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (SLMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32167 D1	32167 R1	32168 D2	32168 R2	32171	32312
SAMPLE DATE		2/26/2003	2/26/2003	2/26/2003	2/26/2003	3/4/2003	3/10/2003
ANALYSIS DATE		4/1/2003	4/1/2003	4/1/2003	4/1/2003	4/4/2003	4/4/2003
FILE NAME	MDL	V3C%031	V3C%032	V3C%033	V3C%034	F3DC019	V3DC036
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	2.67	2.66	2.72	2.72	4.65	2.28
Acetaldehyde	0.014	1.79	1.80	1.79	1.80	1.75	1.81
Acetone	0.014	1.27	1.26	1.24	1.23	1.93	1.22
Propionaldehyde	0.003	0.04	0.03	0.03	0.03	0.05	0.01
Crotonaldehyde	0.005	0.004 u	0.01	0.004 u	0.004 u	0.03	0.02
Butyr/Isobutyraldehyde	0.007	0.09	0.09	0.08	0.08	0.09	0.08
Benzaldehyde	0.001	0.02	0.02	0.03	0.03	0.04	0.02
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.02	0.02	0.01	0.01	0.02	0.01
Tolualdehydes	0.004	0.01	0.01	0.01	0.01	0.02	0.01
Hexaldehyde	0.002	0.02	0.02	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	0.004	ND

^ Pre flow 730 per field personnel.

* Analyzed out of hold time.

u Under detection limit.

D Diluted value.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (SLMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32452	32459	32567	32698	32704	32826
SAMPLE DATE		3/16/2003	3/22/2003	3/28/2003	4/3/2003	4/9/2003	4/15/2003
ANALYSIS DATE		4/15/2003	4/18/2003	5/10/2003	5/16/2003	5/16/2003	5/20/2003
FILE NAME	MDL	F3DN012	F3DP052	F3EI022	V3EO020	V3EO015	F3ES020
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	4.26	3.79	1.98	4.07	25.17 D	4.29
Acetaldehyde	0.014	2.74	3.34	1.75	2.57	9.44 D	3.30
Acetone	0.014	0.89	1.41	0.89	0.76	2.12	1.92
Propionaldehyde	0.003	0.04	0.10	0.02	ND	0.72	0.03
Crotonaldehyde	0.005	0.03	0.03	0.02	0.04	0.14	0.05
Butyr/Isobutyraldehyde	0.007	0.11	0.18	0.12	0.08	0.46	0.16
Benzaldehyde	0.001	0.04	0.05	0.02	0.03	0.17	0.02
Isovaleraldehyde	0.002	ND	ND	ND	ND	0.03	ND
Valeraldehyde	0.001	0.02	0.04	0.01	0.01	0.32	0.02
Tolualdehydes	0.004	0.04	0.04	0.02	0.03	0.09	0.02
Hexaldehyde	0.002	0.01	0.02	0.01	0.01	0.67	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Pre flow 730 per field personnel.

* Analyzed out of hold time.

u Under detection limit.

D Diluted value.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (SLMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32929	33127	33124	33521	*33650	33691
SAMPLE DATE		4/21/2003	4/27/2003	5/3/2003	6/2/2003	6/8/2003	6/14/2003
ANALYSIS DATE		5/20/2003	5/21/2003	6/4/2003	VOID	8/6/2003	7/27/2003
FILE NAME	MDL	V3ES024	V3EU007	F3FC018	VOID	F3HF018	F3GZ028
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	2.31	4.70	4.09		3.56	4.99
Acetaldehyde	0.014	2.07	4.80	2.66		1.91	3.76
Acetone	0.014	0.86	0.97	1.50		0.66	0.71
Propionaldehyde	0.003	0.08	0.14	NR		0.08	0.10
Crotonaldehyde	0.005	0.02	0.03	0.03		0.15	0.12
Butyr/Isobutyraldehyde	0.007	0.07	0.08	0.18		0.08	0.17
Benzaldehyde	0.001	0.02	0.04	0.04		0.03	0.07
Isovaleraldehyde	0.002	ND	ND	ND		ND	ND
Valeraldehyde	0.001	0.01	0.02	0.04		0.02	0.03
Tolualdehydes	0.004	0.02	0.03	0.02		0.03	0.04
Hexaldehyde	0.002	0.01	0.02	0.01		0.02	0.06
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND		0.01	ND

^ Pre flow 730 per field personnel.

* Analyzed out of hold time.

u Under detection limit.

D Diluted value.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (SLMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		33961	34151 D1	34151 R1	34153 D2	34153 R2	34194
SAMPLE DATE		6/20/2003	6/26/2003	6/26/2003	6/26/2003	6/26/2003	7/2/2003
ANALYSIS DATE		7/29/2003	7/31/2003	7/31/2003	7/31/2003	7/31/2003	8/7/2003
FILE NAME	MDL	F3G!026	F3G\$025	F3G\$026	F3G\$027	F3G\$028	F3HF044
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	4.66	9.40	9.48	3.17	3.21	8.05
Acetaldehyde	0.014	3.17	4.27	4.31	3.39	3.41	4.69
Acetone	0.014	0.89	0.88	0.88	0.72	0.72	0.57
Propionaldehyde	0.003	0.07	0.12	0.12	0.06	0.06	0.21
Crotonaldehyde	0.005	0.07	0.15	0.15	0.17	0.16	0.28
Butyr/Isobutyraldehyde	0.007	0.15	0.18	0.17	0.09	0.09	0.14
Benzaldehyde	0.001	0.05	0.12	0.12	0.04	0.03	0.09
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.03	0.06	0.06	0.01	0.01	0.04
Tolualdehydes	0.004	0.04	0.07	0.06	0.03	0.03	0.05
Hexaldehyde	0.002	0.07	0.16	0.15	0.01	0.01	0.08
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Pre flow 730 per field personnel.

* Analyzed out of hold time.

u Under detection limit.

D Diluted value.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (SLMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		34317	34485 D1	34485 R1	34487 D2	34487 R2	34674
SAMPLE DATE		7/8/2003	7/14/2003	7/14/2003	7/14/2003	7/14/2003	7/20/2003
ANALYSIS DATE		8/13/2003	8/19/2003	8/19/2003	8/19/2003	8/19/2003	8/8/2003
FILE NAME	MDL	F3HM007	F3HR039	F3HR040	F3HR041	F3HR042	F3HF065
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	8.24	14.52	14.51	5.14	5.43	8.40
Acetaldehyde	0.014	3.33	4.83	5.07	2.87	3.02	3.44
Acetone	0.014	0.48	0.50	0.53	0.34	0.36	0.42
Propionaldehyde	0.003	0.15	0.18	0.19	0.10	0.10	0.13
Crotonaldehyde	0.005	1.32	0.23	0.23	0.24	0.25	0.86
Butyr/Isobutyraldehyde	0.007	0.08	0.15	0.16	0.06	0.07	0.09
Benzaldehyde	0.001	0.09	0.17	0.18	0.03	0.03	0.12
Isovaleraldehyde	0.002	0.03	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.12	0.09	0.10	0.01	0.01	0.04
Tolualdehydes	0.004	0.35	0.10	0.09	0.03	0.03	0.19
Hexaldehyde	0.002	0.06	0.24	0.22	0.01	0.01	0.08
2,5-Dimethylbenzaldehyde	0.002	0.02	ND	ND	ND	ND	ND

^ Pre flow 730 per field personnel.

* Analyzed out of hold time.

u Under detection limit.

D Diluted value.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (SLMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		34741	34942	34928	35236	35238	35529 D1
SAMPLE DATE		7/26/2003	8/1/2003	8/7/2003	8/13/2003	8/19/2003	8/25/2003
ANALYSIS DATE		8/28/2003	9/4/2003	9/8/2003	9/15/2003	9/16/2003	9/30/2003
FILE NAME	MDL	F3H~023	V3IC013	V3IH019	F3IO007	F3IO014	F3I#025
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	6.60	7.17	6.72	4.13	3.88	7.05
Acetaldehyde	0.014	3.30	3.65	3.03	1.97	2.57	1.76
Acetone	0.014	0.56	0.70	0.53	0.46	0.53	0.96
Propionaldehyde	0.003	0.10	0.13	0.14	0.11	0.08	0.19
Crotonaldehyde	0.005	0.59	0.80	0.25	0.12	0.21	0.83
Butyr/Isobutyraldehyde	0.007	0.06	0.06	0.14	0.09	0.09	0.12
Benzaldehyde	0.001	0.08	0.07	0.05	0.04	0.03	0.20
Isovaleraldehyde	0.002	ND	ND	ND	ND	0.01	0.08
Valeraldehyde	0.001	0.03	0.03	0.05	0.02	0.02	0.07
Tolualdehydes	0.004	0.12	0.16	0.06	0.03	0.02	0.06
Hexaldehyde	0.002	0.06	0.04	0.06	0.04	0.05	0.11
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Pre flow 730 per field personnel.

* Analyzed out of hold time.

u Under detection limit.

D Diluted value.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (SLMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		35529 R1	35531 D2	35531 R2	35534	35661	35791
SAMPLE DATE		8/25/2003	8/25/2003	8/25/2003	8/31/2003	9/6/2003	9/12/2003
ANALYSIS DATE		9/30/2003	9/30/2003	9/30/2003	9/29/2003	10/15/2003	9/24/2003
FILE NAME	MDL	F3I#026	F3I#027	F3I#028	F3I#011	V3JO018	F3IW021
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	7.02	5.59	5.62	1.29	5.07	2.49
Acetaldehyde	0.014	1.76	1.55	1.55	1.39	5.04	2.65
Acetone	0.014	0.96	0.92	0.94	0.22	1.43	0.53
Propionaldehyde	0.003	0.20	0.20	0.20	0.05	0.09	0.03
Crotonaldehyde	0.005	0.87	1.12	1.06	0.22	0.10	0.12
Butyr/Isobutyraldehyde	0.007	0.11	0.15	0.14	0.05	0.16	0.08
Benzaldehyde	0.001	0.19	0.16	0.16	0.08	0.06	0.02
Isovaleraldehyde	0.002	0.08	0.03	0.03	ND	0.01	ND
Valeraldehyde	0.001	0.06	0.04	0.04	0.03	0.03	0.02
Tolualdehydes	0.004	0.05	0.05	0.04	0.02	0.02	0.03
Hexaldehyde	0.002	0.10	0.05	0.05	0.04	0.07	0.05
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Pre flow 730 per field personnel.

* Analyzed out of hold time.

u Under detection limit.

D Diluted value.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (SLMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		35828	36057	36059	36245	36350	36352
SAMPLE DATE		9/18/2003	9/24/2003	9/30/2003	10/12/2003	10/15/2003	10/18/2003
ANALYSIS DATE		10/28/2003	11/3/2003	VOID	11/21/2003	11/25/2003	11/25/2003
FILE NAME	MDL	F3J!008	F3KC016	VOID	V3KT018	V3KX018	V3KX017
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	3.32	2.54		1.29	1.94	2.58
Acetaldehyde	0.014	2.87	2.44		4.51	5.29	5.72
Acetone	0.014	1.17	0.87		1.75	2.14	1.63
Propionaldehyde	0.003	0.05	0.03		0.04	0.07	0.07
Crotonaldehyde	0.005	0.10	0.19		0.04	0.06	0.09
Butyr/Isobutyraldehyde	0.007	0.07	0.06		0.10	0.22	0.30
Benzaldehyde	0.001	0.03	0.02		0.03	0.04	0.06
Isovaleraldehyde	0.002	ND	ND		0.004	0.003	0.01
Valeraldehyde	0.001	0.02	0.02		0.01	0.01	0.01
Tolualdehydes	0.004	0.02	0.03		0.01	0.03	0.04
Hexaldehyde	0.002	0.04	0.03		0.02	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND		ND	0.004	0.01

^ Pre flow 730 per field personnel.

* Analyzed out of hold time.

u Under detection limit.

D Diluted value.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (SLMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36392 D1	36392 R1	^36394 D2	^36394 R2	36471	36597
SAMPLE DATE		10/24/2003	10/24/2003	10/24/2003	10/24/2003	10/30/2003	11/5/2003
ANALYSIS DATE		11/17/2003	11/17/2003	11/17/2003	11/17/2003	12/10/2003	12/15/2003
FILE NAME	MDL	V3KQ015	V3KQ016	V3KQ017	V3KQ018	F3LJ007	V3LN019
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	2.21	2.21	1.93	1.94	0.72	0.71
Acetaldehyde	0.014	3.29	3.29	3.39	3.39	2.71	1.47
Acetone	0.014	1.42	1.43	1.22	1.22	0.87	1.03
Propionaldehyde	0.003	0.04	0.04	0.03	0.03	0.003 u	0.01
Crotonaldehyde	0.005	0.04	0.05	0.04	0.04	0.07	0.02
Butyr/Isobutyraldehyde	0.007	0.10	0.11	0.09	0.09	0.09	0.14
Benzaldehyde	0.001	0.02	0.02	0.02	0.02	0.01	0.01
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.01	0.01	0.003	0.01
Tolualdehydes	0.004	0.01	0.01	0.01	0.01	0.01	0.01
Hexaldehyde	0.002	0.02	0.02	0.01	0.01	0.01	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Pre flow 730 per field personnel.

* Analyzed out of hold time.

u Under detection limit.

D Diluted value.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (SLMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36664 D1	36664 R1	36666 R2	36666 D2	36761	36901
SAMPLE DATE		11/11/2003	11/11/2003	11/11/2003	11/11/2003	11/17/2003	11/23/2003
ANALYSIS DATE		12/16/2003	12/16/2003	12/16/2003	12/16/2003	12/28/2003	12/18/2003
FILE NAME	MDL	V3LN031	V3LN032	V3LN034	V3LN033	F3L!007	V3LQ019
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	1.68	1.64	1.41	1.40	1.06	1.01
Acetaldehyde	0.014	3.10	3.05	3.15	3.14	1.79	1.21
Acetone	0.014	0.91	0.90	0.77	0.76	0.48	0.56
Propionaldehyde	0.003	0.03	0.03	0.02	0.02	0.02	0.01
Crotonaldehyde	0.005	0.05	0.05	0.05	0.05	0.03	0.02
Butyr/Isobutyraldehyde	0.007	0.18	0.18	0.18	0.17	0.05	0.09
Benzaldehyde	0.001	0.03	0.03	0.03	0.03	0.02	0.01
Isovaleraldehyde	0.002	0.003	0.004	0.002 u	0.003	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.01	0.01	0.01	0.01
Tolualdehydes	0.004	0.03	0.03	0.02	0.01	0.02	0.01
Hexaldehyde	0.002	0.02	0.02	0.02	0.02	0.01	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Pre flow 730 per field personnel.

* Analyzed out of hold time.

u Under detection limit.

D Diluted value.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (SLMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36967	36987	37104	37231	37250	37388
SAMPLE DATE		11/29/2003	12/5/2003	12/11/2003	12/17/2003	12/23/2003	12/29/2003
ANALYSIS DATE		1/8/2004	1/11/2004	1/15/2004	1/30/2004	2/4/2004	2/8/2004
FILE NAME	MDL	F4AH010	V4AK011	V4AN020	V4A#025	V4BB049	V4BG048
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	1.82	0.82	0.80	1.18	1.08	1.15
Acetaldehyde	0.014	1.14	1.52	2.05	2.21	1.25	1.82
Acetone	0.014	0.98	1.16	1.72	0.95	0.87	1.08
Propionaldehyde	0.003	0.07	0.01	ND	ND	0.01	ND
Crotonaldehyde	0.005	0.05	0.02	0.02	0.03	0.01	0.02
Butyr/Isobutyraldehyde	0.007	0.13	0.10	0.09	0.12	0.05	0.09
Benzaldehyde	0.001	0.03	0.02	0.01	0.02	0.02	0.02
Isovaleraldehyde	0.002	ND	0.01	ND	ND	ND	ND
Valeraldehyde	0.001	0.02	0.01	0.01	0.01	0.01	0.01
Tolualdehydes	0.004	0.06	0.02	0.02	0.02	0.01	0.01
Hexaldehyde	0.002	0.03	0.01	0.01	0.02	0.01	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Pre flow 730 per field personnel.

* Analyzed out of hold time.

u Under detection limit.

D Diluted value.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (SLMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	31497	31491	31642	31644	31841 D1	31841 R1
SAMPLE DATE	1/3/2003	1/9/2003	1/15/2003	1/21/2003	1/27/2003	1/27/2003
ANALYSIS DATE	2/11/2003	2/11/2003	2/25/2003	2/25/2003	3/5/2003	3/5/2003
FILE NAME	V3BJ034	V3BJ036	V3BX048	V3BX040	V3CC063	V3CC064
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	3.37	4.12	2.99	2.31	2.77	2.77
Acetaldehyde	2.23	1.93	2.31	1.99	1.78	1.80
Acetone	4.19	2.37	3.28	2.34	2.31	2.32
Propionaldehyde	0.23	0.23	0.27	0.18	0.18	0.18
Crotonaldehyde	0.02	0.02	0.03	0.02	0.02	0.02
Butyr/Isobutyraldehyde	0.39	0.26	0.47	0.31	0.27	0.27
Benzaldehyde	0.23	0.16	0.20	0.08	0.12	0.10
Isovaleraldehyde	0.03	ND	0.03	ND	ND	ND
Valeraldehyde	0.07	0.06	0.09	0.05	0.06	0.06
Tolualdehydes	0.14	0.09	0.18	0.09	0.09	0.09
Hexaldehyde	0.11	0.07	0.11	0.06	0.08	0.07
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

^ Pre flow 730 per field personnel.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (SLMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	31842 D2	31842 R2	31846	#32003	32005	32008
SAMPLE DATE	1/27/2003	1/27/2003	2/2/2003	2/8/2003	2/14/2003	2/20/2003
ANALYSIS DATE	3/5/2003	3/5/2003	3/4/2003	3/10/2003	3/10/2003	3/13/2003
FILE NAME	V3CC061	V3CC062	V3CC026	F3CJ007	F3CJ009	F3CL025
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	2.80	2.81	9.41	3.95	3.56	4.42
Acetaldehyde	1.77	1.78	3.12	2.15	5.70	6.09
Acetone	2.24	2.25	5.36	2.71	3.69	5.52
Propionaldehyde	0.17	0.18	0.39	0.26	0.26	0.15
Crotonaldehyde	0.02	0.02	0.03	0.10	0.08	0.10
Butyr/Isobutyraldehyde	0.26	0.28	0.56	0.42	0.53	0.62
Benzaldehyde	0.10	0.10	0.15	0.15	0.16	0.22
Isovaleraldehyde	ND	ND	0.02	0.02	0.04	0.02
Valeraldehyde	0.06	0.05	0.12	0.10	0.10	0.11
Tolualdehydes	0.10	0.09	0.30	0.23	0.09	0.13
Hexaldehyde	0.07	0.08	0.15	0.10	0.10	0.09
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	0.04

^ Pre flow 730 per field personnel.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (SLMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	32167 D1	32167 R1	32168 D2	32168 R2	32171	32312
SAMPLE DATE	2/26/2003	2/26/2003	2/26/2003	2/26/2003	3/4/2003	3/10/2003
ANALYSIS DATE	4/1/2003	4/1/2003	4/1/2003	4/1/2003	4/4/2003	4/4/2003
FILE NAME	V3C%031	V3C%032	V3C%033	V3C%034	F3DC019	V3DC036
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	3.29	3.28	3.36	3.36	5.73	2.81
Acetaldehyde	3.24	3.25	3.24	3.25	3.17	3.27
Acetone	3.03	3.00	2.94	2.94	4.60	2.90
Propionaldehyde	0.09	0.08	0.07	0.07	0.13	0.03
Crotonaldehyde	0.01 u	0.01	0.01 u	0.01 u	0.09	0.06
Butyr/Isobutyraldehyde	0.26	0.25	0.24	0.23	0.27	0.23
Benzaldehyde	0.11	0.10	0.12	0.12	0.15	0.08
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.06	0.06	0.05	0.05	0.06	0.04
Tolualdehydes	0.06	0.05	0.07	0.07	0.12	0.06
Hexaldehyde	0.09	0.08	0.08	0.08	0.09	0.06
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	0.02	ND

^ Pre flow 730 per field personnel.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (SLMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	32452	32459	32567	32698	32704	32826
SAMPLE DATE	3/16/2003	3/22/2003	3/28/2003	4/3/2003	4/9/2003	4/15/2003
ANALYSIS DATE	4/15/2003	4/18/2003	5/10/2003	5/16/2003	5/16/2003	5/20/2003
FILE NAME	F3DN012	F3DP052	F3EI022	V3EO020	V3EO015	F3ES020
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	5.25	4.67	2.44	5.01	31.03 D	5.29
Acetaldehyde	4.94	6.03	3.15	4.64	17.05 D	5.96
Acetone	2.13	3.35	2.12	1.81	5.04	4.57
Propionaldehyde	0.10	0.23	0.06	ND	1.72	0.07
Crotonaldehyde	0.09	0.09	0.07	0.12	0.39	0.13
Butyr/Isobutyraldehyde	0.32	0.54	0.36	0.24	1.36	0.47
Benzaldehyde	0.16	0.20	0.07	0.12	0.75	0.11
Isovaleraldehyde	ND	ND	ND	ND	0.09	ND
Valeraldehyde	0.05	0.14	0.04	0.05	1.14	0.07
Tolualdehydes	0.17	0.17	0.07	0.17	0.46	0.11
Hexaldehyde	0.06	0.08	0.05	0.05	2.73	0.04
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

^ Pre flow 730 per field personnel.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (SLMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	32929	33127	33124	33521	*33650	33691
SAMPLE DATE	4/21/2003	4/27/2003	5/3/2003	6/2/2003	6/8/2003	6/14/2003
ANALYSIS DATE	5/20/2003	5/21/2003	6/4/2003	VOID	8/6/2003	7/27/2003
FILE NAME	V3ES024	V3EU007	F3FC018	VOID	F3HF018	F3GZ028
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	2.85	5.79	5.04		4.39	6.16
Acetaldehyde	3.73	8.67	4.80		3.44	6.79
Acetone	2.04	2.30	3.58		1.57	1.68
Propionaldehyde	ND	ND	NR		0.20	0.23
Crotonaldehyde	0.05	0.09	0.10		0.43	0.33
Butyr/Isobutyraldehyde	0.21	0.23	0.52		0.24	0.51
Benzaldehyde	0.07	0.17	0.16		0.13	0.28
Isovaleraldehyde	ND	ND	ND		ND	ND
Valeraldehyde	0.05	0.06	0.14		0.06	0.09
Tolualdehydes	0.07	0.16	0.11		0.16	0.19
Hexaldehyde	0.05	0.06	0.05		0.10	0.27
2,5-Dimethylbenzaldehyde	ND	ND	ND		0.03	ND

^ Pre flow 730 per field personnel.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (SLMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	33961	34151 D1	34151 R1	34153 D2	34153 R2	34194
SAMPLE DATE	6/20/2003	6/26/2003	6/26/2003	6/26/2003	6/26/2003	7/2/2003
ANALYSIS DATE	7/29/2003	7/31/2003	7/31/2003	7/31/2003	7/31/2003	8/7/2003
FILE NAME	F3G!026	F3G\$025	F3G\$026	F3G\$027	F3G\$028	F3HF044
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	5.74	11.59	11.68	3.91	3.95	9.93
Acetaldehyde	5.72	7.71	7.79	6.12	6.15	8.47
Acetone	2.11	2.09	2.09	1.71	1.72	1.35
Propionaldehyde	0.17	0.28	0.28	0.15	0.15	0.50
Crotonaldehyde	0.21	0.43	0.43	0.49	0.47	0.80
Butyr/Isobutyraldehyde	0.45	0.52	0.50	0.26	0.27	0.43
Benzaldehyde	0.22	0.52	0.53	0.16	0.13	0.39
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.09	0.21	0.21	0.05	0.05	0.14
Tolualdehydes	0.18	0.37	0.27	0.15	0.14	0.23
Hexaldehyde	0.27	0.67	0.63	0.06	0.06	0.32
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

^ Pre flow 730 per field personnel.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (SLMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	34317	34485 D1	34485 R1	34487 D2	34487 R2	34674
SAMPLE DATE	7/8/2003	7/14/2003	7/14/2003	7/14/2003	7/14/2003	7/20/2003
ANALYSIS DATE	8/13/2003	8/19/2003	8/19/2003	8/19/2003	8/19/2003	8/8/2003
FILE NAME	F3HM007	F3HR039	F3HR040	F3HR041	F3HR042	F3HF065
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	10.16	#17.89	#17.88	6.34	6.70	10.36
Acetaldehyde	6.02	8.72	9.15	5.18	5.45	6.21
Acetone	1.14	1.20	1.27	0.82	0.86	1.00
Propionaldehyde	0.36	0.44	0.44	0.23	0.24	0.31
Crotonaldehyde	3.80	0.67	0.66	0.69	0.71	2.47
Butyr/Isobutyraldehyde	0.25	0.46	0.47	0.18	0.21	0.28
Benzaldehyde	0.41	0.72	0.78	0.14	0.15	0.50
Isovaleraldehyde	0.09	ND	ND	ND	ND	ND
Valeraldehyde	0.42	0.31	0.35	0.04	0.03	0.13
Tolualdehydes	1.74	0.47	0.46	0.13	0.13	0.92
Hexaldehyde	0.26	1.00	0.91	0.04	0.04	0.34
2,5-Dimethylbenzaldehyde	0.13	ND	ND	ND	ND	ND

^ Pre flow 730 per field personnel.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (SLMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	34741	34942	34928	35236	35238	35529 D1
SAMPLE DATE	7/26/2003	8/1/2003	8/7/2003	8/13/2003	8/19/2003	8/25/2003
ANALYSIS DATE	8/28/2003	9/4/2003	9/8/2003	9/15/2003	9/16/2003	9/30/2003
FILE NAME	F3H~023	V3IC013	V3IH019	F3IO007	F3IO014	F3I#025
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	8.14	8.84	8.28	7.79	5.15	8.70
Acetaldehyde	5.96	6.58	5.47	3.57	4.64	3.17
Acetone	1.32	1.66	1.26	1.09	1.25	2.28
Propionaldehyde	0.24	0.30	0.33	0.26	0.20	0.46
Crotonaldehyde	1.68	2.29	0.71	0.34	0.60	2.40
Butyr/Isobutyraldehyde	0.19	0.19	0.41	0.28	0.27	0.36
Benzaldehyde	0.34	0.30	0.21	0.17	0.15	0.87
Isovaleraldehyde	ND	ND	ND	ND	0.03	0.27
Valeraldehyde	0.10	0.11	0.17	0.08	0.08	0.23
Tolualdehydes	0.58	0.77	0.29	0.12	0.09	0.31
Hexaldehyde	0.23	0.18	0.27	0.16	0.19	0.47
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

^ Pre flow 730 per field personnel.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (SLMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	35529 R1	35531 D2	35531 R2	35534	35661	35791
SAMPLE DATE	8/25/2003	8/25/2003	8/25/2003	8/31/2003	9/6/2003	9/12/2003
ANALYSIS DATE	9/30/2003	9/30/2003	9/30/2003	9/29/2003	10/15/2003	9/24/2003
FILE NAME	F3I#026	F3I#027	F3I#028	F3I#011	V3JO018	F3IW021
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	8.65	6.90	6.93	1.59	6.25	3.07
Acetaldehyde	3.17	2.79	2.80	2.52	9.10	4.79
Acetone	2.29	2.20	2.24	0.52	3.40	1.25
Propionaldehyde	0.47	0.48	0.47	0.11	0.22	0.08
Crotonaldehyde	2.49	3.21	3.04	0.63	0.30	0.35
Butyr/Isobutyraldehyde	0.33	0.43	0.42	0.16	0.48	0.23
Benzaldehyde	0.85	0.69	0.70	0.35	0.26	0.10
Isovaleraldehyde	0.29	0.12	0.11	ND	0.03	ND
Valeraldehyde	0.22	0.15	0.15	0.09	0.12	0.06
Tolualdehydes	0.25	0.23	0.22	0.10	0.09	0.15
Hexaldehyde	0.40	0.22	0.22	0.15	0.27	0.19
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

^ Pre flow 730 per field personnel.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (SLMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	35828	36057	36059	36245	36350	36352
SAMPLE DATE	9/18/2003	9/24/2003	9/30/2003	10/12/2003	10/15/2003	10/18/2003
ANALYSIS DATE	10/28/2003	11/3/2003	VOID	11/21/2003	11/25/2003	11/25/2003
FILE NAME	F3J!008	F3KC016	VOID	V3KT018	V3KX018	V3KX017
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	4.09	3.13		1.59	2.40	3.18
Acetaldehyde	5.18	4.41		8.15	9.55	10.32
Acetone	2.79	2.06		4.16	5.09	3.87
Propionaldehyde	0.11	0.07		0.08	0.17	0.18
Crotonaldehyde	0.30	0.55		0.12	0.18	0.25
Butyr/Isobutyraldehyde	0.21	0.19		0.31	0.66	0.88
Benzaldehyde	0.12	0.09		0.13	0.18	0.26
Isovaleraldehyde	ND	ND		0.01	0.01	0.02
Valeraldehyde	0.08	0.06		0.04	0.05	0.05
Tolualdehydes	0.11	0.15		0.07	0.16	0.21
Hexaldehyde	0.18	0.14		0.07	0.05	0.05
2,5-Dimethylbenzaldehyde	ND	ND		ND	0.02	0.05

^ Pre flow 730 per field personnel.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (SLMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	36392 D1	36392 R1	^36394 D2	^36394 R2	36471	36597
SAMPLE DATE	10/24/2003	10/24/2003	10/24/2003	10/24/2003	10/30/2003	11/5/2003
ANALYSIS DATE	11/17/2003	11/17/2003	11/17/2003	11/17/2003	12/10/2003	12/15/2003
FILE NAME	V3KQ015	V3KQ016	V3KQ017	V3KQ018	F3LJ007	V3LN019
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	2.72	2.73	2.38	2.39	0.89	0.88
Acetaldehyde	5.93	5.94	6.13	6.11	4.90	2.66
Acetone	3.38	3.40	2.91	2.90	2.08	2.44
Propionaldehyde	0.08	0.09	0.08	0.08	0.01 u	0.03
Crotonaldehyde	0.12	0.14	0.11	0.11	0.20	0.05
Butyr/Isobutyraldehyde	0.30	0.31	0.27	0.26	0.27	0.42
Benzaldehyde	0.10	0.10	0.07	0.07	0.04	0.05
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.05	0.04	0.03	0.03	0.01	0.02
Tolualdehydes	0.07	0.07	0.07	0.04	0.07	0.06
Hexaldehyde	0.07	0.07	0.05	0.05	0.04	0.08
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

^ Pre flow 730 per field personnel.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (SLMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	36664 D1	36664 R1	36666 R2	36666 D2	36761	36901
SAMPLE DATE	11/11/2003	11/11/2003	11/11/2003	11/11/2003	11/17/2003	11/23/2003
ANALYSIS DATE	12/16/2003	12/16/2003	12/16/2003	12/16/2003	12/28/2003	12/18/2003
FILE NAME	V3LN031	V3LN032	V3LN034	V3LN033	F3L!007	V3LQ019
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	2.07	2.02	1.74	1.73	1.30	1.24
Acetaldehyde	5.60	5.50	5.69	5.66	3.24	2.19
Acetone	2.18	2.13	1.82	1.82	1.15	1.33
Propionaldehyde	0.08	0.07	0.06	0.06	0.05	0.03
Crotonaldehyde	0.16	0.15	0.14	0.14	0.08	0.06
Butyr/Isobutyraldehyde	0.53	0.53	0.52	0.51	0.16	0.27
Benzaldehyde	0.15	0.15	0.12	0.12	0.09	0.05
Isovaleraldehyde	0.01	0.01	0.01	0.01	ND	ND
Valeraldehyde	0.04	0.03	0.03	0.03	0.02	0.03
Tolualdehydes	0.13	0.13	0.09	0.07	0.08	0.05
Hexaldehyde	0.09	0.10	0.07	0.08	0.04	0.06
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

^ Pre flow 730 per field personnel.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (SLMO) 2003 UATMP Carbonyl Final Data Report

SAMPLE #	36967	36987	37104	37231	37250	37388
SAMPLE DATE	11/29/2003	12/5/2003	12/11/2003	12/17/2003	12/23/2003	12/29/2003
ANALYSIS DATE	1/8/2004	1/11/2004	1/15/2004	1/30/2004	2/4/2004	2/8/2004
FILE NAME	F4AH010	V4AK011	V4AN020	V4A#025	V4BB049	V4BG048
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	2.25	1.02	0.99	1.45	1.33	1.41
Acetaldehyde	2.06	2.74	3.69	3.99	2.25	3.28
Acetone	2.33	2.76	4.10	2.27	2.06	2.58
Propionaldehyde	0.17	0.02	ND	ND	0.03	ND
Crotonaldehyde	0.15	0.06	0.07	0.08	0.04	0.07
Butyr/Isobutyraldehyde	0.38	0.31	0.26	0.36	0.14	0.25
Benzaldehyde	0.11	0.07	0.06	0.07	0.08	0.07
Isovaleraldehyde	ND	0.02	ND	ND	ND	ND
Valeraldehyde	0.09	0.02	0.02	0.02	0.02	0.03
Tolualdehydes	0.28	0.08	0.09	0.10	0.03	0.06
Hexaldehyde	0.14	0.05	0.04	0.06	0.06	0.07
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

^ Pre flow 730 per field personnel.

* Analyzed out of hold time.

D Diluted value.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

St. Louis, MO (SLMO) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3BX039	Meets	V3BX042	Meets	V3CC027	Meets	F3CL026	Meets
FB ID	Criteria	31641 FB	Criteria	31643 FB	Criteria	31845 FB	Criteria	32007 FB	Criteria
Sample date	per	1/15/2003		1/21/2003		2/2/2003		2/20/2003	
Date Analyzed	QAPP	2/25/2003	(Y/N)	2/25/2003	(Y/N)	3/4/2003	(Y/N)	3/13/2003	(Y/N)
Formaldehyde	<0.3	0.24	Y	0.05	Y	0.04	Y	0.04	Y
Acetaldehyde	<0.4	0.07	Y	0.08	Y	0.10	Y	0.06	Y
Acetone	<0.75	0.23	Y	0.23	Y	0.22	Y	0.19	Y
Propionaldehyde		ND		0.01		0.01		0.01	
Crotonaldehyde		ND		ND		ND		ND	
Butyraldehyde		0.06		0.06		0.07		0.14	
Benzaldehyde		0.02		0.02		0.02		0.02	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.01		0.005	
Tolualdehydes		0.03		0.03		0.02		0.03	
Hexaldehyde		0.03		0.02		0.03		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.145	Y	0.153	Y	0.169	Y	0.219	Y

St. Louis, MO (SLMO) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance	V3DC035	Meets	F3DN011	Meets	F3ES021	Meets	V3ES025	Meets
FB ID	Criteria	32311 FB	Criteria	32451 FB	Criteria	32825 FB	Criteria	32928 FB	Criteria
Sample date	per	3/10/2003		3/16/2003		4/15/2003		4/21/2003	
Date Analyzed	QAPP	4/4/2003	(Y/N)	4/15/2003	(Y/N)	5/20/2003	(Y/N)	5/20/2003	(Y/N)
Formaldehyde	<0.3	0.02	Y	0.02	Y	0.04	Y	0.03	Y
Acetaldehyde	<0.4	0.08	Y	0.04	Y	0.05	Y	0.05	Y
Acetone	<0.75	0.14	Y	0.14	Y	0.16	Y	0.15	Y
Propionaldehyde		0.01		0.004		0.004		0.004	
Crotonaldehyde		ND		0.02		0.02		0.02	
Butyraldehyde		0.09		0.09		0.25		0.09	
Benzaldehyde		0.01		0.01		0.01		0.02	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.01		0.004		0.01		ND	
Tolualdehydes		0.04		0.02		0.02		0.03	
Hexaldehyde		0.03		0.01		0.02		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.184	Y	0.153	Y	0.324	Y	0.183	Y

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(µg/cartridge)

Data File ID	Acceptance	F3GZ029	Meets	F3GI027	Meets	F3HM008	Meets	F3H~024	Meets
FB ID	Criteria	33690 FB	Criteria	33960 FB	Criteria	34316 FB	Criteria	34740 FB	Criteria
Sample date	per	6/14/2003		6/20/2003		7/8/2003		7/26/2003	
Date Analyzed	QAPP	7/27/2003	(Y/N)	7/29/2003	(Y/N)	8/13/2003	(Y/N)	8/28/2003	(Y/N)
Formaldehyde	<0.3	0.06	Y	0.07	Y	0.06	Y	0.02	Y
Acetaldehyde	<0.4	0.07	Y	0.07	Y	0.08	Y	0.08	Y
Acetone	<0.75	0.15	Y	0.14	Y	0.21	Y	0.26	Y
Propionaldehyde		0.01		0.01		0.01		0.01	
Crotonaldehyde		0.02		0.03		0.02		0.04	
Butyraldehyde		0.25		0.18		0.06		0.04	
Benzaldehyde		0.01		0.01		0.01		0.01	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.005		0.01		0.006		0.00	
Tolualdehydes		0.03		0.09		0.04		0.06	
Hexaldehyde		0.02		0.01		0.02		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.330	Y	0.326	Y	0.167	Y	0.182	Y

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(µg/cartridge)

Data File ID	Acceptance	F3IO010	Meets	F3I#012	Meets	V3JO019	Meets	F3KC017	Meets
FB ID	Criteria	35232 FB	Criteria	35533 FB	Criteria	35662 FB	Criteria	36056 FB	Criteria
Sample date	per	8/13/2003		8/31/2003		9/6/2003		9/24/2003	
Date Analyzed	QAPP	9/15/2003	(Y/N)	9/29/2003	(Y/N)	10/15/2003	(Y/N)	11/3/2003	(Y/N)
Formaldehyde	<0.3	0.02	Y	0.03	Y	0.04	Y	0.04	Y
Acetaldehyde	<0.4	0.16	Y	0.07	Y	0.18	Y	0.10	Y
Acetone	<0.75	0.20	Y	0.24	Y	0.28	Y	0.25	Y
Propionaldehyde		0.01		0.00		0.01		0.010	
Crotonaldehyde		0.01		0.02		0.02		0.01	
Butyraldehyde		0.11		0.11		0.15		0.07	
Benzaldehyde		ND		0.02		0.02		0.02	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.011		0.00		0.02		0.025	
Tolualdehydes		0.03		0.03		0.03		0.02	
Hexaldehyde		0.02		0.02		0.03		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.189	Y	0.194	Y	0.273	Y	0.167	Y

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(µg/cartridge)

Data File ID	Acceptance	V3KT017	Meets	F3LJ008	Meets	V3LN018	Meets	V3LQ018	Meets
FB ID	Criteria	36244 FB	Criteria	36470 FB	Criteria	36596 FB	Criteria	36900 FB	Criteria
Sample date	per	10/12/2003		10/30/2003		11/5/2003		11/23/2003	
Date Analyzed	QAPP	11/21/2003	(Y/N)	12/10/2003	(Y/N)	12/15/2003	(Y/N)	12/18/2003	(Y/N)
Formaldehyde	<0.3	0.02	Y	0.12	Y	0.06	Y	0.03	Y
Acetaldehyde	<0.4	0.16	Y	0.06	Y	0.09	Y	0.05	Y
Acetone	<0.75	0.36	Y	0.09	Y	0.11	Y	0.11	Y
Propionaldehyde		0.02		0.005		0.01		0.002	
Crotonaldehyde		0.02		0.02		0.03		0.02	
Butyraldehyde		0.12		0.13		0.18		0.17	
Benzaldehyde		0.02		0.01		0.02		0.01	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.01		0.004		0.01		0.005	
Tolualdehydes		0.03		0.05		0.05		0.06	
Hexaldehyde		0.03		0.01		0.01		0.01	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.253	Y	0.233	Y	0.306	Y	0.283	Y

St. Louis, MO (SLMO) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	V4AN021 37103 FB 12/11/2003 1/15/2004	Meets Criteria (Y/N)	V4BG047 37387 FB 12/29/2003 2/8/2004	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.03	Y	0.03	Y
Acetaldehyde	<0.4	0.06	Y	0.08	Y
Acetone	<0.75	0.10	Y	0.09	Y
Propionaldehyde		0.005		0.005	
Crotonaldehyde		0.02		0.01	
Butyraldehyde		0.16		0.12	
Benzaldehyde		0.02		0.01	
Isovaleraldehyde		ND		ND	
Valeraldehyde		ND		ND	
Tolualdehydes		0.06		0.05	
Hexaldehyde		0.02		0.03	
2,5-Dimethylbenzaldehyde		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.294	Y	0.229	Y

Tupelo, MS (TUMS) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31453	31578	31744 D1	31744 R1	31745 D2	31745 R2
SAMPLE DATE		1/3/2003	1/15/2003	1/27/2003	1/27/2003	1/27/2003	1/27/2003
ANALYSIS DATE		3/13/2003	2/25/2003	2/28/2003	2/28/2003	2/28/2003	2/28/2003
FILE NAME	MDL	F3CL029	V3BX026	F3BZ017	F3BZ018	F3BZ019	F3BZ020
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	1.43	2.28	1.72	1.72	1.78	1.77
Acetaldehyde	0.014	0.87	1.75	0.94	0.94	0.96	0.96
Acetone	0.014	0.54	2.28	1.28	1.28	1.16	1.16
Propionaldehyde	0.003	0.03	0.09	0.07	0.07	0.08	0.08
Crotonaldehyde	0.005	0.002	u	0.01	0.01	0.01	0.005
Butyr/Isobutyraldehyde	0.007	0.09	0.05	0.08	0.08	0.08	0.07
Benzaldehyde	0.001	0.02	0.02	0.02	0.02	0.02	0.02
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.01	0.01	0.01	0.01
Tolualdehydes	0.004	0.01	0.02	0.02	0.01	0.01	0.01
Hexaldehyde	0.002	0.01	0.02	0.02	0.02	0.02	0.01
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Post flow assumed same as pre flow.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Tupelo, MS (TUMS) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		31897	32016	32196	32379	32488	32672
SAMPLE DATE		2/8/2003	2/20/2003	3/4/2003	3/16/2003	3/28/2003	4/9/2003
ANALYSIS DATE		3/11/2003	3/13/2003	4/7/2003	4/24/2003	5/1/2003	5/9/2003
FILE NAME	MDL	V3CJ012	F3CL022	F3DG010	F3DX011	F3D\$019	F3EH026
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	2.03	1.51	2.03	1.31	2.76	1.34
Acetaldehyde	0.014	1.04	0.72	0.97	0.65	1.08	0.86
Acetone	0.014	0.74	1.17	2.09	0.77	0.74	1.19
Propionaldehyde	0.003	0.03	0.06	0.10	0.07	0.05	0.10
Crotonaldehyde	0.005	ND	0.002 u	0.05	0.04	0.04	0.02
Butyr/Isobutyraldehyde	0.007	0.03	0.13	0.32	0.18	0.11	0.18
Benzaldehyde	0.001	0.02	0.03	0.02	0.02	0.02	0.02
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.03	0.01	0.01	0.06
Tolualdehydes	0.004	0.02	0.02	0.02	0.02	0.01	0.01
Hexaldehyde	0.002	0.02	0.02	0.02	0.02	0.01	0.10
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Post flow assumed same as pre flow.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Tupelo, MS (TUMS) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		32839	33096	33238 D1	33238 R1	33240 D2	33240 R2
SAMPLE DATE		4/21/2003	5/3/2003	5/15/2003	5/15/2003	5/15/2003	5/15/2003
ANALYSIS DATE		5/19/2003	6/2/2003	6/6/2003	6/6/2003	6/6/2003	6/6/2003
FILE NAME	MDL	V3ES007	F3FB011	V3FE048	V3FE049	V3FE050	V3FE051
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	1.86	2.58	2.94	2.96	3.13	3.09
Acetaldehyde	0.014	0.77	1.04	0.79	0.79	0.91	0.93
Acetone	0.014	0.90	0.63	0.35	0.35	0.48	0.47
Propionaldehyde	0.003	0.10	NR	0.14	0.13	0.16	0.15
Crotonaldehyde	0.005	0.05	0.16	0.32	0.32	0.41	0.40
Butyr/Isobutyraldehyde	0.007	0.11	0.19	0.06	0.11	0.10	0.11
Benzaldehyde	0.001	0.03	0.06	0.07	0.07	0.08	0.08
Isovaleraldehyde	0.002	ND	0.01	0.01	0.02	0.03	0.03
Valeraldehyde	0.001	0.04	0.04	0.04	0.04	0.04	0.05
Tolualdehydes	0.004	0.01	0.02	0.03	0.03	0.03	0.04
Hexaldehyde	0.002	0.05	0.04	0.05	0.05	0.05	0.05
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Post flow assumed same as pre flow.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Tupelo, MS (TUMS) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		33384	33583	33938	34169	34468 D1	34468 R1
SAMPLE DATE		5/27/2003	6/8/2003	6/20/2003	7/2/2003	7/14/2003	7/14/2003
ANALYSIS DATE		7/7/2003	7/16/2003	7/28/2003	8/7/2003	8/18/2003	8/18/2003
FILE NAME	MDL	V3GG010	V3GO027	F3G!010	F3HF035	F3HR019	F3HR020
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	2.50	2.75	2.70	2.34	3.31	3.40
Acetaldehyde	0.014	0.78	1.01	0.99	0.82	0.94	0.97
Acetone	0.014	0.86	0.54	0.58	0.35	0.33	0.35
Propionaldehyde	0.003	0.12	0.13	0.08	0.08	0.08	0.08
Crotonaldehyde	0.005	0.16	0.29	0.39	0.36	0.46	0.49
Butyr/Isobutyraldehyde	0.007	0.09	0.13	0.10	0.09	0.08	0.08
Benzaldehyde	0.001	0.05	0.08	0.05	0.04	0.03	0.03
Isovaleraldehyde	0.002	0.02	0.02	ND	ND	ND	ND
Valeraldehyde	0.001	0.03	0.05	0.02	0.02	0.01	0.01
Tolualdehydes	0.004	0.04	0.07	0.04	0.04	0.06	0.06
Hexaldehyde	0.002	0.04	0.04	0.03	0.03	0.03	0.03
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Post flow assumed same as pre flow.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Tupelo, MS (TUMS) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		34470 D2	34470 R2	34702	34898	35155	35436
SAMPLE DATE		7/14/2003	7/14/2003	7/26/2003	8/7/2003	8/19/2003	8/31/2003
ANALYSIS DATE		8/18/2003	8/18/2003	9/3/2003	8/20/2003	9/22/2003	10/7/2003
FILE NAME	MDL	F3HR017	F3HR018	V3IB023	V3HS028	F3IV011	V3JF027
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	3.19	3.42	4.71	2.79	2.50	1.70
Acetaldehyde	0.014	0.97	1.05	2.22	1.27	1.25	0.70
Acetone	0.014	0.45	0.49	0.74	0.46	0.59	0.29
Propionaldehyde	0.003	0.08	0.08	0.19	0.06	0.08	0.04
Crotonaldehyde	0.005	0.51	0.54	0.52	0.35	0.42	0.30
Butyr/Isobutyraldehyde	0.007	0.08	0.09	0.13	0.05	0.08	0.07
Benzaldehyde	0.001	0.03	0.03	0.06	0.03	0.05	0.05
Isovaleraldehyde	0.002	ND	ND	0.02	0.01	0.02	ND
Valeraldehyde	0.001	0.02	0.02	0.03	0.02	0.02	0.01
Tolualdehydes	0.004	0.03	0.03	0.07	0.03	0.03	0.02
Hexaldehyde	0.002	0.03	0.03	0.04	0.02	0.03	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

^ Post flow assumed same as pre flow.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Tupelo, MS (TUMS) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		^35729	35942	36125	36326	36457	36616
SAMPLE DATE		9/12/2003	9/24/2003	10/6/2003	10/18/2003	10/30/2003	11/11/2003
ANALYSIS DATE		10/16/2003	10/29/2003	11/11/2003	11/25/2003	12/10/2003	12/15/2003
FILE NAME	MDL	V3JO043	F3J#013	V3KK007	V3KX027	F3LJ010	F3LN014
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	3.57	1.92	1.29	1.08	1.05	0.96
Acetaldehyde	0.014	1.84	1.20	1.51	0.83	1.29	1.00
Acetone	0.014	0.95	0.74	0.75	0.87	0.72	0.56
Propionaldehyde	0.003	0.09	0.06	0.04	0.03	0.03	0.03
Crotonaldehyde	0.005	0.28	0.16	0.11	0.04	0.06	0.04
Butyr/Isobutyraldehyde	0.007	0.17	0.08	0.09	0.12	0.09	0.08
Benzaldehyde	0.001	0.06	0.03	0.02	0.02	0.01	0.01
Isovaleraldehyde	0.002	0.01	0.01	0.004	ND	ND	ND
Valeraldehyde	0.001	0.02	0.03	0.01	0.01	0.01	0.01
Tolualdehydes	0.004	0.03	0.01	0.01	0.02	0.02	0.02
Hexaldehyde	0.002	0.03	0.03	0.02	0.02	0.02	0.01
2,5-Dimethylbenzaldehyde	0.002	0.003	ND	ND	ND	ND	ND

^ Post flow assumed same as pre flow.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Tupelo, MS (TUMS) 2003 UATMP Carbonyl Final Data Report

SAMPLE #		36879	36997	37179	37270
SAMPLE DATE		11/23/2003	12/5/03	12/17/03	12/29/03
ANALYSIS DATE		12/18/2003	1/11/04	1/29/04	2/5/04
FILE NAME	MDL	V3LQ011	V4AK021	V4A#012	V4BD022
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.023	0.56	0.24	0.25	0.23
Acetaldehyde	0.014	0.63	0.46	0.35	0.39
Acetone	0.014	0.38	0.59	0.42	0.46
Propionaldehyde	0.003	0.01	0.01	ND	0.01
Crotonaldehyde	0.005	0.02	0.01	0.02	0.01
Butyr/Isobutyraldehyde	0.007	0.14	0.07	0.08	0.05
Benzaldehyde	0.001	0.01	0.01	0.01	0.01
Isovaleraldehyde	0.002	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.003	0.01	0.01
Tolualdehydes	0.004	0.02	0.02	0.02	0.01
Hexaldehyde	0.002	0.01	0.01	0.01	0.02
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND

^ Post flow assumed same as pre flow.

u Under detection limit.

ND Not detected.

NR Not reported due to co-eluting compound.

Tupelo, MS (TUMS) 2003 UATMP Carbonyl Field Blank Final Data Report

(µg/cartridge)

Data File ID	Acceptance Criteria	V3BX025	Meets Criteria	F3CL024	Meets Criteria	F3DX012	Meets Criteria	F3ES033	Meets Criteria
FB ID		31577 FB		32015 FB		32378 FB		32838 FB	
Sample date	per	1/15/2003		2/20/2003		3/16/2003		4/21/2003	
Date Analyzed	QAPP	2/25/2003	(Y/N)	3/13/2003	(Y/N)	4/24/2003	(Y/N)	5/20/2003	(Y/N)
Formaldehyde	<0.3	0.030	Y	0.043	Y	0.033	Y	0.042	Y
Acetaldehyde	<0.4	0.076	Y	0.077	Y	0.048	Y	0.065	Y
Acetone	<0.75	0.232	Y	0.196	Y	0.134	Y	0.180	Y
Propionaldehyde		ND		0.009		0.006		ND	
Crotonaldehyde		0.011		ND		0.012		0.016	
Butyraldehyde		0.058		0.161		0.161		0.229	
Benzaldehyde		0.019		0.017		0.003		0.011	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		ND		0.014		ND		0.005	
Tolualdehydes		0.027		0.022		0.014		0.023	
Hexaldehyde		0.037		0.023		0.014		0.013	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.150	Y	0.244	Y	0.209	Y	0.295	Y

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(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	V3F\$027 33383 FB 5/27/2003 7/1/2003	Meets Criteria (Y/N)	F3G!011 33937 FB 6/20/2003 7/28/2003	Meets Criteria (Y/N)	V3IB022 34701 FB 7/26/2003 9/3/2003	Meets Criteria (Y/N)	V3JF026 35435 FB 8/31/2003 10/7/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.091	Y	0.074	Y	0.089	Y	0.028	Y
Acetaldehyde	<0.4	0.123	Y	0.168	Y	0.100	Y	0.077	Y
Acetone	<0.75	0.108	Y	0.159	Y	0.245	Y	0.216	Y
Propionaldehyde		ND		0.011		ND		ND	
Crotonaldehyde		0.030		0.035		0.063		0.038	
Butyraldehyde		0.065		0.181		0.042		0.074	
Benzaldehyde		0.012		0.017		0.015		0.016	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.004		0.008		ND		0.010	
Tolualdehydes		0.052		0.035		0.047		0.036	
Hexaldehyde		0.015		0.026		0.040		0.029	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.176	Y	0.312	Y	0.206	Y	0.202	Y

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(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	F3J#014 35941FB 9/24/2003 10/29/2003	Meets Criteria (Y/N)	F3LJ009 36456 FB 10/30/2003 12/10/2003	Meets Criteria (Y/N)	V3LQ012 36878 FB 11/23/2003 12/18/2003	Meets Criteria (Y/N)	V4BD021 37271 FB 12/29/03 2/5/04	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.025	Y	0.028	Y	0.046	Y	0.029	Y
Acetaldehyde	<0.4	0.097	Y	0.095	Y	0.073	Y	0.067	Y
Acetone	<0.75	0.242	Y	0.112	Y	0.100	Y	0.099	Y
Propionaldehyde		0.012		0.005		0.004		0.001	
Crotonaldehyde		0.018		0.015		0.022		0.015	
Butyraldehyde		0.047		0.131		0.179		0.073	
Benzaldehyde		0.012		0.017		0.013		0.013	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.029		0.004		ND		ND	
Tolualdehydes		0.022		0.045		0.051		0.036	
Hexaldehyde		0.021		0.015		0.019		0.032	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.160	Y	0.231	Y	0.287	Y	0.169	Y

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SAMPLE #		31439	31505	31610	31630	31719 D1	31720 D2
SAMPLE DATE		1/3/2003	1/9/2003	1/15/2003	1/21/2003	1/27/2003	1/27/2003
ANALYSIS DATE		2/6/2003	2/6/2003	2/13/2003	2/27/2003	VOID	VOID
FILE NAME	MDL	V3BE025	V3BE044	V3BL033	V3BZ023	VOID	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	2.31	2.01	2.11	2.50		
Acetaldehyde	0.016	1.32	1.14	1.53	1.62		
Acetone	0.015	1.56	1.57	2.28	1.98		
Propionaldehyde	0.004	0.10	0.09	0.15	0.16		
Crotonaldehyde	0.005	0.01	0.01	0.03	0.02		
Butyr/Isobutyraldehyde	0.007	0.12	0.12	0.17	0.16		
Benzaldehyde	0.001	0.04	0.04	0.05	0.05		
Isovaleraldehyde	0.002	ND	ND	ND	ND		
Valeraldehyde	0.001	0.03	0.03	0.04	0.05		
Tolualdehydes	0.004	0.04	0.04	0.04	0.04		
Hexaldehyde	0.002	0.04	0.04	0.05	0.06		
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND		

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SAMPLE #		31874	31899	31962	32041	32124 D1	32124 R1
SAMPLE DATE		2/2/2003	2/8/2003	2/14/2003	2/20/2003	2/26/2003	2/26/2003
ANALYSIS DATE		3/3/2003	3/11/2003	3/11/2003	3/12/2003	3/19/2003	3/19/2003
FILE NAME	MDL	F3CC007	V3CJ011	F3CJ013	F3CL010	V3CQ042	V3CQ043
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.61	2.15	2.76	2.48	2.21	2.21
Acetaldehyde	0.016	0.86	1.10	1.86	1.48	1.63	1.63
Acetone	0.015	0.89	1.12	2.47	1.79	1.72	1.72
Propionaldehyde	0.004	0.08	0.07	0.19	0.14	0.14	0.14
Crotonaldehyde	0.005	0.03	0.01	0.07	0.07	0.02	0.02
Butyr/Isobutyraldehyde	0.007	0.09	0.10	0.21	0.16	0.16	0.17
Benzaldehyde	0.001	0.02	0.03	0.06	0.04	0.05	0.04
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.02	0.02	0.05	0.04	0.04	0.04
Tolualdehydes	0.004	0.02	0.03	0.03	0.03	0.03	0.02
Hexaldehyde	0.002	0.03	0.03	0.04	0.04	0.04	0.04
2,5-Dimethylbenzaldehyde	0.002	ND	ND	0.05	ND	ND	ND

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SAMPLE #		32126 D2	32126 R2	32182	32258	32431	32481
SAMPLE DATE		2/26/2003	2/26/2003	3/4/2003	3/10/2003	3/16/2003	3/22/2003
ANALYSIS DATE		3/19/2003	3/19/2003	4/4/2003	4/10/2003	4/15/2003	4/30/2003
FILE NAME	MDL	V3CQ044	V3CQ045	F3DC017	F3DJ009	F3DN017	F3D\$008
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	2.27	2.28	1.70	2.53	3.19	2.81
Acetaldehyde	0.016	1.70	1.71	1.10	1.21	1.69	1.88
Acetone	0.015	1.80	1.80	1.18	1.43	2.14	2.45
Propionaldehyde	0.004	0.14	0.15	0.08	0.10	0.18	0.18
Crotonaldehyde	0.005	0.02	0.02	0.02	0.08	0.06	0.08
Butyr/Isobutyraldehyde	0.007	0.18	0.18	0.07	0.12	0.18	0.22
Benzaldehyde	0.001	0.04	0.04	0.02	0.02	0.04	0.05
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.04	0.04	0.02	0.03	0.04	0.06
Tolualdehydes	0.004	0.02	0.02	0.02	0.02	0.04	0.04
Hexaldehyde	0.002	0.04	0.04	0.02	0.03	0.04	0.05
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

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SAMPLE #		32555 D1	32555 R1	32557 D2	32557 R2	32611	32655
SAMPLE DATE		3/28/2003	3/28/2003	3/28/2003	3/28/2003	4/3/2003	4/9/2003
ANALYSIS DATE		5/10/2003	5/10/2003	5/10/2003	5/10/2003	5/10/2003	5/7/2003
FILE NAME	MDL	F3EI020	F3EI021	F3EI018	F3EI019	F3EI038	F3EF035
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	1.53	1.55	1.46	1.45	2.45	2.82
Acetaldehyde	0.016	1.14	1.14	1.11	1.12	1.45	1.64
Acetone	0.015	0.83	0.82	0.82	0.81	1.42	2.28
Propionaldehyde	0.004	0.03	0.03	0.03	0.03	0.07	0.15
Crotonaldehyde	0.005	0.02	0.02	0.01	0.01	0.04	0.10
Butyr/Isobutyraldehyde	0.007	0.11	0.11	0.10	0.10	0.14	0.22
Benzaldehyde	0.001	0.01	0.01	0.01	0.01	0.02	0.04
Isovaleraldehyde	0.002	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.001	0.01	0.01	0.02	0.01	0.02	0.05
Tolualdehydes	0.004	0.02	0.01	0.01	0.005	0.02	0.03
Hexaldehyde	0.002	0.01	0.01	0.01	0.01	0.02	0.05
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND	ND	ND

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SAMPLE #		32760	32863	32992	33134
SAMPLE DATE		4/15/2003	4/21/2003	4/27/2003	5/3/2003
ANALYSIS DATE		5/15/2003	5/20/2003	5/22/2003	6/4/2003
FILE NAME	MDL	V3EO013	V3ES017	V3EU017	F3FC015
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.026	2.26	2.20	2.05	2.52
Acetaldehyde	0.016	0.91	1.22	1.23	1.36
Acetone	0.015	1.36	1.67	1.15	1.92
Propionaldehyde	0.004	0.09	0.13	0.05	0.09
Crotonaldehyde	0.005	0.05	0.06	0.03	0.05
Butyr/Isobutyraldehyde	0.007	0.09	0.12	0.08	0.16
Benzaldehyde	0.001	0.02	0.03	0.01	0.04
Isovaleraldehyde	0.002	ND	ND	ND	ND
Valeraldehyde	0.001	0.02	0.03	0.01	0.03
Tolualdehydes	0.004	0.02	0.03	0.02	0.03
Hexaldehyde	0.002	0.02	0.03	0.01	0.04
2,5-Dimethylbenzaldehyde	0.002	ND	ND	ND	ND

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(µg/cartridge)

Data File ID	Acceptance	V3BL023	Meets	V3BZ024	Meets	F3CC017	Meets	F3CL009	Meets
FB ID	Criteria	31609 FB	Criteria	31629	Criteria	31873 FB	Criteria	32040 FB	Criteria
Sample date	per	1/15/2003		1/21/2003		2/2/2003		2/20/2003	
Date Analyzed	QAPP	2/13/2003	(Y/N)	2/27/2003	(Y/N)	3/3/2003	(Y/N)	3/12/2003	(Y/N)
Formaldehyde	<0.3	0.29	Y	0.06	Y	0.05	Y	0.03	Y
Acetaldehyde	<0.4	0.12	Y	0.08	Y	0.06	Y	0.07	Y
Acetone	<0.75	0.21	Y	0.22	Y	0.20	Y	0.19	Y
Propionaldehyde		0.01		0.01		0.01		0.01	
Crotonaldehyde		ND		ND		0.02		ND	
Butyraldehyde		0.05		0.06		0.09		0.10	
Benzaldehyde		0.02		0.02		0.02		0.02	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.005		0.004	
Tolualdehydes		0.03		0.03		0.02		0.01	
Hexaldehyde		0.06		0.02		0.02		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.181	Y	0.149	Y	0.177	Y	0.171	Y

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(µg/cartridge)

Data File ID	Acceptance	F3DJ010	Meets	F3DN018	Meets	V3EO014	Meets	V3ES016	Meets
FB ID	Criteria	32257 FB	Criteria	32430 FB	Criteria	32759 FB	Criteria	32862 FB	Criteria
Sample date	per	3/10/2003		3/16/2003		4/15/2003		4/21/2003	
Date Analyzed	QAPP	4/10/2003	(Y/N)	4/15/2003	(Y/N)	5/15/2003	(Y/N)	5/20/2003	(Y/N)
Formaldehyde	<0.3	0.03	Y	0.03	Y	0.03	Y	0.03	Y
Acetaldehyde	<0.4	0.07	Y	0.10	Y	0.05	Y	0.04	Y
Acetone	<0.75	0.15	Y	0.16	Y	0.19	Y	0.15	Y
Propionaldehyde		0.01		0.01		0.01		0.01	
Crotonaldehyde		0.02		0.02		0.02		0.01	
Butyraldehyde		0.08		0.12		0.06		0.07	
Benzaldehyde		0.01		0.01		0.01		0.01	
Isovaleraldehyde		ND		ND		ND		ND	
Valeraldehyde		0.004		0.005		0.01		0.01	
Tolualdehydes		0.01		0.03		0.03		0.03	
Hexaldehyde		0.02		0.02		0.02		0.01	
2,5-Dimethylbenzaldehyde		ND		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.159	Y	0.207	Y	0.151	Y	0.149	Y