

Appendix K

2002 Carbonyl Raw Monitoring Data

Arlington, Texas (ANTX) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	28207	28427 D1	28427 R1	28429 D2	28429 R2	28602
SAMPLE DATE	6/13/2002	6/25/2002	6/25/2002	6/25/2002	6/25/2002	7/7/2002
ANALYSIS DATE	7/11/2002	7/11/2002	7/11/2002	7/11/2002	7/11/2002	7/17/2002
FILE NAME	F2GK007	V2GK013	V2GK014	V2GK015	V2GK016	V2GQ013
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.43	3.99	3.99	4.04	4.03	4.42
Acetaldehyde	0.63	0.80	0.03	0.85	0.84	0.92
Acetone	0.55	0.61	0.61	0.57	0.56	0.29
Propionaldehyde	ND	0.02	0.02	0.03	0.03	0.10
Crotonaldehyde	0.01	ND	ND	ND	ND	0.03
Butyr/Isobutyraldehyde	0.02	0.04	0.04	0.04	0.04	0.05
Benzaldehyde	0.05	0.07	0.07	0.07	0.07	0.17
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.03	0.03	0.03	0.03	0.08
Tolualdehydes	0.09	0.12	0.11	0.10	0.09	0.11
Hexaldehyde	ND	0.01	0.02	ND	ND	0.06
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	28858	29160	29262	*29512	29711	29949
SAMPLE DATE	7/19/2002	7/31/2002	8/12/2002	8/24/2002	9/5/2002	9/17/2002
ANALYSIS DATE	VOID	9/10/2002	9/4/2002	9/16/2002	9/25/2002	10/4/2002
FILE NAME	VOID	F2II019	V2ID008	F2IP013	F2IX022	F2JB065
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde		2.87	3.25	4.89	4.79	2.38
Acetaldehyde		0.64	0.03	0.44	1.26	0.54
Acetone		0.39	0.41	0.14	0.86	0.41
Propionaldehyde		0.001 u	ND	0.02	0.03	ND
Crotonaldehyde		0.004 u	ND	ND	0.01	0.004 u
Butyr/Isobutyraldehyde		0.07	0.08	0.43	0.23	0.25
Benzaldehyde		0.10	0.04	0.06	0.10	0.03
Isovaleraldehyde		ND	ND	ND	ND	ND
Valeraldehyde		0.07	0.02	0.007	0.06	0.01
Tolualdehydes		0.05	0.10	0.20	0.10	0.03
Hexaldehyde		0.004 u	0.02	0.01	0.04	0.03
2,5-Dimethylbenzaldehyde		ND	ND	ND	ND	0.01

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SAMPLE #	30060	30188	30395 D1	30395 R1	30397 D2	30397 R2
SAMPLE DATE	9/29/2002	10/11/2002	10/23/2002	10/23/2002	10/23/2002	10/23/2002
ANALYSIS DATE	10/24/2002	11/14/2002	12/3/2002	12/3/2002	12/3/2002	12/3/2002
FILE NAME	V2JW020	V2KM029	V2LB039	V2LB040	V2LB041	V2LB042
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.80	2.00	1.46	1.49	1.58	1.58
Acetaldehyde	1.13	0.85	0.58	0.58	0.03	0.64
Acetone	0.81	0.84	0.69	0.68	0.66	0.67
Propionaldehyde	0.04	0.03	0.01	0.02	0.03	0.02
Crotonaldehyde	0.01 u	0.01 u	0.006 u	0.005 u	0.005 u	0.006 u
Butyr/Isobutyraldehyde	0.13	0.36	0.04 u	0.04 u	0.04 u	0.04 u
Benzaldehyde	0.04	0.03	0.04	0.04	0.04	0.04
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.02	0.01	0.01	0.01	0.01
Tolualdehydes	0.11	0.02	0.02	0.02	0.02	0.02
Hexaldehyde	ND	0.01	0.009	0.02	0.01	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	#30534	#30738	?30903	31077	31348
SAMPLE DATE	11/4/2002	11/16/2002	11/28/2002	12/10/2002	12/22/2002
ANALYSIS DATE	12/15/2002	12/24/2002	1/9/2003	1/16/2003	1/30/2003
FILE NAME	V2LN020	V2LW046	V3AH021	V3AP016	V3A\$011
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.19	1.38	2.56	0.94	1.15
Acetaldehyde	0.66	0.87	2.42	0.63	0.81
Acetone	1.26	1.51	2.71	1.51	1.21
Propionaldehyde	0.06	0.08	0.22	0.06	0.07
Crotonaldehyde	0.006 u	0.008 u	0.02	0.008 u	0.007 u
Butyr/Isobutyraldehyde	0.09	0.16	0.26	0.12	0.10
Benzaldehyde	0.03	0.04	0.07	0.21	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.02	0.06	0.02	0.01
Tolualdehydes	0.03	0.03	0.05	0.01	0.02
Hexaldehyde	0.03	0.03	0.07	0.03	0.04
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND

Arlington, Texas (ANTX) 2002 UATMP Carbonyl Annual Data Report

u - Concentration below detection limit

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

* - Sample was diluted 10X due to high moisture content in cartridge.

Arlington, Texas (ANTX) 2002 Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance Criteria per QAPP	F2GK006 28206 FB 6/13/2002 7/11/2002	Meets Criteria (Y/N)	V2GQ012 28601 FB 7/7/2002 7/17/2002	Meets Criteria (Y/N)	V2ID007 29261 FB 8/12/2002 9/4/2002	Meets Criteria (Y/N)
FB ID							
Sample date							
Date Analyzed							
Formaldehyde	<0.3	0.503	N	0.431	N	0.413	N
Acetaldehyde	<0.4	0.129	Y	0.130	Y	0.135	Y
Acetone	<0.75	0.227	Y	0.186	Y	0.228	Y
Propionaldehyde		0.021		0.015		0.022	
Crotonaldehyde		ND		0.008		ND	
Butyraldehyde		0.034		0.024		0.367	
Benzaldehyde		0.035		0.024		0.013	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.020		0.012		0.011	
Tolualdehydes		0.095		0.048		0.029	
Hexaldehyde		0.065		0.038		0.049	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.268	Y	0.169	Y	0.490	Y

N - Field Blanks failed criteria for formaldehyde due to high concentrations of formaldehyde in the new sampling trailer.

Arlington, Texas (ANTX) 2002 Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	F2IX021 29710 FB 9/5/2002 9/25/2002	Meets Criteria (Y/N)	F2JB064 29948 FB 9/17/2002 10/4/2002	Meets Criteria (Y/N)	V2JW019 30058 FB 9/29/2002 10/24/2002	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.353	N	0.361	N	0.292	Y
Acetaldehyde	<0.4	0.246	Y	0.102	Y	0.100	Y
Acetone	<0.75	0.314	Y	0.201	Y	0.200	Y
Propionaldehyde		0.016		0.014		0.009	
Crotonaldehyde		0.014		ND		ND	
Butyraldehyde		1.052		0.792		0.452	
Benzaldehyde		0.024		0.018		0.017	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.011		0.014		0.012	
Tolualdehydes		0.040		0.091		0.052	
Hexaldehyde		0.090		0.041		0.050	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	1.246	Y	0.968	Y	0.590	Y

N - Field Blanks failed criteria for formaldehyde due to high concentrations of formaldehyde in the new sampling trailer.

Arlington, Texas (ANTX) 2002 Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance Criteria per QAPP	V2KM030 30187 FB 10/11/2002 11/14/2002	Meets Criteria (Y/N)	V2LB006 30394 FB 10/23/2002 12/2/2002	Meets Criteria (Y/N)	V2LN019 #30533 FB 11/4/2002 12/14/2002	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.235	Y	*0.5775	N	0.230	Y
Acetaldehyde	<0.4	0.107	Y	0.075	Y	0.078	Y
Acetone	<0.75	0.274	Y	0.262	Y	0.247	Y
Propionaldehyde		0.017		0.008		0.004	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.057		0.122		0.090	
Benzaldehyde		0.023		0.022		0.023	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.010		0.010		0.012	
Tolualdehydes		0.022		0.061		0.017	
Hexaldehyde		0.049		0.031		0.038	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.177	Y	0.253	Y	0.183	Y

N - Field Blanks failed criteria for formaldehyde due to high concentrations of formaldehyde in the new sampling trailer.

Arlington, Texas (ANTX) 2002 Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V2LW045	Meets	V3AP017	Meets
FB ID	Criteria	#30736 FB	Criteria	31076 FB	Criteria
Sample date	per	11/16/2002		12/10/2002	
Date Analyzed	QAPP	12/24/2002	(Y/N)	1/16/2003	(Y/N)
Formaldehyde	<0.3	0.142	Y	0.193	Y
Acetaldehyde	<0.4	0.071	Y	0.097	Y
Acetone	<0.75	0.235	Y	0.263	Y
Propionaldehyde		ND		ND	
Crotonaldehyde		ND		ND	
Butyraldehyde		0.185		0.255	
Benzaldehyde		0.018		0.017	
Isovaleraldehyde		ND		ND	
Valeraldehyde		0.009		0.009	
Tolualdehydes		0.032		0.022	
Hexaldehyde		0.033		0.036	
2,5-Dimethylbenzaldehyde		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.276	Y	0.338	Y

N - Field Blanks failed criteria for formaldehyde due to high concentrations of formaldehyde in the new sampling trailer.

Detroit, Michigan (Allen Park - APMI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	24950	25183	25414	25660	25838	26116
SAMPLE DATE	1/2/2002	1/14/2002	1/26/2002	2/7/2002	2/19/2002	3/3/2002
ANALYSIS DATE	1/22/2002	1/24/2002	3/12/2002	3/19/2002	4/1/2002	4/9/2002
FILE NAME	F2AU041	F2AW034	F2CL019	F2CR005	F2DA014	F2DI012
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.00	1.16	0.92	1.19	1.67	0.78
Acetaldehyde	0.98	0.65	0.55	0.73	0.75	0.44
Acetone	1.01	0.95	0.82	1.12	0.98	0.70
Propionaldehyde	0.10	0.08	0.07	0.08	0.07	0.05
Crotonaldehyde	0.01	0.01	0.01	0.01	0.01	0.01
Butyr/Isobutyraldehyde	0.12	0.16	0.09	0.10	0.20	0.07
Benzaldehyde	0.04	0.03	0.02	0.03	0.03	0.04
Isovaleraldehyde	0.01	0.004	ND	ND	ND	ND
Valeraldehyde	0.03	0.02	0.01	0.02	0.03	0.02
Tolualdehydes	0.04	0.03	0.02	0.03	0.02	0.03
Hexaldehyde	0.02	0.02	0.02	0.02	0.03	0.02
2,5-Dimethylbenzaldehyde	0.01	0.002	ND	ND	ND	ND

Detroit, Michigan (Allen Park - APMI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	26377	26469	26700	27004
SAMPLE DATE	3/15/2002	3/27/2002	4/8/2002	4/20/2002
ANALYSIS DATE	4/23/2002	4/30/2002	5/14/2002	5/22/2002
FILE NAME	F2DV019	F2D#039	F2EM037	F2EU052
UNITS	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.15	2.11	1.45	1.19
Acetaldehyde	0.60	0.93	0.81	0.72
Acetone	0.88	1.62	0.69	1.37
Propionaldehyde	0.07	0.08	0.10	0.10
Crotonaldehyde	0.01 u	0.01	0.01	0.01 u
Butyr/Isobutyraldehyde	0.18	0.13	0.18	0.19
Benzaldehyde	0.04	0.04	0.04	0.03
Isovaleraldehyde	ND	ND	0.004	0.003
Valeraldehyde	0.02	0.02	0.02	0.03
Tolualdehydes	0.04	0.04	0.04	0.02
Hexaldehyde	0.02	0.02	0.04	0.04
2,5-Dimethylbenzaldehyde	0.00	ND	ND	0.0001 u

St. Petersburg, Florida (Azalea Park - AZFL) 2002 UATMP Carbonyl Annual Data Report

SAMPLE NUMBER	24980	25027	25175	25324	25456	25582
SAMPLE DATE	1/2/2002	1/8/2002	1/14/2002	1/21/2002	1/26/2002	2/1/2002
ANALYSIS DATE	1/23/2002	1/23/2002	1/29/2002	3/5/2002	3/13/2002	3/15/2002
FILE NAME	F2AW013	F2AW015	F2A#008	F2CE039	F2CL034	F2CO009
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.28	2.63	2.67	1.90	2.55	3.15
Acetaldehyde	1.20	1.17	1.31	0.83	1.24	1.23
Acetone	0.89	1.81	0.33	0.25	0.79	0.51
Propionaldehyde	0.10	0.11	0.11	0.08	0.11	0.14
Crotonaldehyde	0.02	0.02	0.01 u	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.11	0.31	0.10	0.21	0.16	0.15
Benzaldehyde	0.05	0.06	0.05	0.02	0.05	0.05
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.15	0.03	0.01	0.03	0.02
Tolualdehydes	0.12	0.16	0.04	0.03	0.04	0.03
Hexaldehyde	0.02	0.03	0.03	0.03	0.03	0.03
2,5-Dimethylbenzaldehyde	0.04	0.03	0.00 u	ND	ND	ND

u - Concentration below detection limit.

- After extraction sample came to room temperature due to power outage.

* - Sample diluted 10X due to high moisture content in cartridge.

St. Petersburg, Florida (Azalea Park - AZFL) 2002 UATMP Carbonyl Annual Data Report

SAMPLE NUMBER	25693	25832	25887	26121	26133	26360
SAMPLE DATE	2/7/2002	2/13/2002	2/19/2002	2/25/2002	3/3/2002	3/9/2002
ANALYSIS DATE	3/22/2002	4/1/2002	4/2/2002	4/9/2002	4/9/2002	4/20/2002
FILE NAME	F2CT030	F2DA009	F2DA021	F2DI006	F2DI018	F2DS038
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.74	3.79	2.98	3.26	2.07	2.99
Acetaldehyde	0.73	1.62	1.21	1.67	1.04	1.41
Acetone	0.57	2.67	0.80	1.47	0.44	0.49
Propionaldehyde	0.04	0.15	0.09	0.13	0.04	0.15
Crotonaldehyde	0.01 u	0.02	0.01 u	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.09	0.22	0.13	0.13	0.05	0.16
Benzaldehyde	0.02	0.07	0.04	0.05	0.02	0.04
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.05	0.02	0.03	0.01	0.08
Tolualdehydes	0.01	0.04	0.03	0.03	0.02	0.03
Hexaldehyde	0.02	0.02	0.03	0.03	0.02	0.04
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	0.01

u - Concentration below detection limit.

- After extraction sample came to room temperature due to power outage.

* - Sample diluted 10X due to high moisture content in cartridge.

St. Petersburg, Florida (Azalea Park - AZFL) 2002 UATMP Carbonyl Annual Data Report

SAMPLE NUMBER	26364	26433	26519	26637	26691	26959
SAMPLE DATE	3/15/2002	3/21/2002	3/27/2002	4/2/2002	4/8/2002	4/14/2002
ANALYSIS DATE	4/22/2002	4/29/2002	4/30/2002	5/11/2002	5/14/2002	5/19/2002
FILE NAME	F2DV011	F2D#012	F2D#043	F2EJ034	F2EM039	F2ES017
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.57	2.02	2.33	3.60	3.66	3.47
Acetaldehyde	1.79	0.72	0.96	1.73	1.34	1.30
Acetone	0.67	0.48	0.63	0.66	0.69	0.46
Propionaldehyde	0.14	0.03	0.08	0.22	0.07	0.12
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.26	0.22	0.18	0.28	0.25	0.26
Benzaldehyde	0.05	0.02	0.05	0.10	0.03	0.05
Isovaleraldehyde	ND	ND	ND	0.01	ND	ND
Valeraldehyde	0.09	0.04	0.02	0.06	0.01	0.03
Tolualdehydes	0.04	0.03	0.02	0.05	0.01	0.02
Hexaldehyde	0.05	0.01	0.03	0.10	0.04	0.04
2,5-Dimethylbenzaldehyde	0.00 u	ND	ND	ND	ND	ND

u - Concentration below detection limit.

- After extraction sample came to room temperature due to power outage.

* - Sample diluted 10X due to high moisture content in cartridge.

St. Petersburg, Florida (Azalea Park - AZFL) 2002 UATMP Carbonyl Annual Data Report

SAMPLE NUMBER	27044	27299	27378	27437	27661	27663
SAMPLE DATE	4/20/2002	4/26/2002	5/2/2002	5/8/2002	5/14/2002	5/20/2002
ANALYSIS DATE	5/22/2002	5/24/2002	5/29/2002	5/30/2002	6/8/2002	6/8/2002
FILE NAME	F2EU053	F2EW019	F2E#016	F2E#024	F2FG013	F2FG033
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.59	4.52	2.48	4.02	3.39	3.93
Acetaldehyde	1.31	1.67	0.79	1.27	0.93	1.06
Acetone	0.52	0.77	0.30	0.57	0.97	0.97
Propionaldehyde	0.14	0.19	0.05	0.07	0.07	0.09
Crotonaldehyde	0.01 u	0.01 u	ND	0.01	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.29	0.26	0.36	0.28	0.35	0.30
Benzaldehyde	0.05	0.06	0.02	0.07	0.04	0.05
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.04	0.01	0.03	0.02	0.03
Tolualdehydes	0.02	0.09	0.02	0.03	0.02	0.02
Hexaldehyde	0.05	0.06	0.01	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit.

- After extraction sample came to room temperature due to power outage.

* - Sample diluted 10X due to high moisture content in cartridge.

St. Petersburg, Florida (Azalea Park - AZFL) 2002 UATMP Carbonyl Annual Data Report

SAMPLE NUMBER	27795	27855	27972	28185	28233	28422
SAMPLE DATE	5/26/2002	6/1/2002	6/7/2002	6/13/2002	6/19/2002	6/25/2002
ANALYSIS DATE	6/17/2002	6/12/2002	7/10/2002	7/12/2002	7/24/2002	VOID
FILE NAME	F2FQ007	F2FL009	V2GI022	F2GK036	F2GX007	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.80	3.94	3.60	2.83	4.24	
Acetaldehyde	1.31	1.40	1.13	0.96	1.26	
Acetone	0.61	0.44	0.51	0.36	0.51	
Propionaldehyde	0.10	0.13	0.10	0.11	0.10	
Crotonaldehyde	0.01 u	0.01 u	0.11	0.17	0.01 u	
Butyr/Isobutyraldehyde	0.26	0.30	0.10	0.11	0.14	
Benzaldehyde	0.04	0.06	0.06	0.04	0.07	
Isovaleraldehyde	ND	0.01	0.01	0.01	ND	
Valeraldehyde	0.02	0.03	0.02	0.02	0.02	
Tolualdehydes	0.03	0.04	0.03	0.04	0.03	
Hexaldehyde	0.03	0.03	0.05	0.04	0.03	
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	

u - Concentration below detection limit.

- After extraction sample came to room temperature due to power outage.

* - Sample diluted 10X due to high moisture content in cartridge.

St. Petersburg, Florida (Azalea Park - AZFL) 2002 UATMP Carbonyl Annual Data Report

SAMPLE NUMBER	28480	28651	28763	*28923	29001	29074
SAMPLE DATE	7/1/2002	7/7/2002	7/13/2002	7/19/2002	7/25/2002	7/31/2002
ANALYSIS DATE	7/16/2002	7/18/2002	7/31/2002	8/7/2002	9/5/2002	9/9/2002
FILE NAME	V2GP005	V2GQ026	F2G\$035	F2HF011	V2ID028	F2II009
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.67	3.97	2.46	4.53	4.15	4.46
Acetaldehyde	1.03	1.29	0.76	0.88	1.39	1.34
Acetone	0.40	0.42	0.45	0.30	0.71	0.32
Propionaldehyde	0.09	0.12	0.02	0.05	0.19	0.17
Crotonaldehyde	0.20	0.01 u	ND	0.10	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.07 u	0.15	0.17	0.84	0.62	0.17
Benzaldehyde	0.06	0.11	0.01	0.28	0.07	0.13
Isovaleraldehyde	0.01	0.01	ND	ND	ND	0.02
Valeraldehyde	0.02	0.03	0.003 u	ND	0.03	0.04
Tolualdehydes	0.05	0.06	0.02	ND	0.11	0.02
Hexaldehyde	0.04	0.04	0.05	ND	0.04	0.04
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit.

- After extraction sample came to room temperature due to power outage.

* - Sample diluted 10X due to high moisture content in cartridge.

St. Petersburg, Florida (Azalea Park - AZFL) 2002 UATMP Carbonyl Annual Data Report

SAMPLE NUMBER	29169	29256	29491	29524	29667	29781
SAMPLE DATE	8/6/2002	8/12/2002	8/18/2002	8/24/2002	8/30/2002	9/5/2002
ANALYSIS DATE	9/10/2002	VOID	9/6/2002	9/17/2002	9/19/2002	9/25/2002
FILE NAME	F2II035	F2IK012	V2ID065	F2IP018	V2IR037	F2IX031
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.82		3.52	4.96	3.28	4.54
Acetaldehyde	0.77		1.17	1.62	1.07	0.97
Acetone	0.30		0.46	0.69	0.39	0.20
Propionaldehyde	0.10		0.13	0.15	0.04	0.09
Crotonaldehyde	0.01 u		0.01 u	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.17		0.27	0.34	0.19	0.10 u
Benzaldehyde	0.08		0.05	0.08	0.05	0.02
Isovaleraldehyde	0.01		0.003 u	0.01	0.002 u	ND
Valeraldehyde	0.02		0.02	0.03	0.02	0.01
Tolualdehydes	0.05		0.03	0.06	0.05	0.06
Hexaldehyde	0.02		0.03	0.03	0.02	0.01
2,5-Dimethylbenzaldehyde	ND		ND	ND	ND	ND

u - Concentration below detection limit.

- After extraction sample came to room temperature due to power outage.

* - Sample diluted 10X due to high moisture content in cartridge.

St. Petersburg, Florida (Azalea Park - AZFL) 2002 UATMP Carbonyl Annual Data Report

SAMPLE NUMBER	29871	29932	30014	30111	30181	30307
SAMPLE DATE	9/11/2002	9/17/2002	9/23/2002	9/29/2002	10/5/2002	10/11/2002
ANALYSIS DATE	9/25/2002	10/15/2002	10/16/2002	10/24/2002	11/4/2002	11/23/2002
FILE NAME	F2IX038	V2JN018	V2JP013	V2JX011	V2KD009	V2KV019
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.54	6.37	2.72	4.65	4.92	3.65
Acetaldehyde	0.77	1.74	0.83	1.47	1.74	1.55
Acetone	0.28	0.45	0.44	0.49	0.64	1.84
Propionaldehyde	0.06	0.29	0.06	0.13	0.16	0.14
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.53	0.13	0.20	0.18	0.18	0.18
Benzaldehyde	0.05	0.06	0.04	0.05	0.04	0.08
Isovaleraldehyde	ND	ND	0.004 u	ND	ND	ND
Valeraldehyde	0.02	0.04	0.02	0.03	0.03	0.02
Tolualdehydes	0.04	0.06	0.03	0.04	0.05	0.06
Hexaldehyde	0.02	0.02	0.02	0.03	0.03	0.04
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit.

- After extraction sample came to room temperature due to power outage.

* - Sample diluted 10X due to high moisture content in cartridge.

St. Petersburg, Florida (Azalea Park - AZFL) 2002 UATMP Carbonyl Annual Data Report

SAMPLE NUMBER	30308	30403	#30475	#30570	#30653	#30757
SAMPLE DATE	10/17/2002	10/23/2002	10/29/2002	11/5/2002	11/10/2002	11/16/2002
ANALYSIS DATE	11/23/2002	11/26/2002	12/13/2002	12/18/2002	12/21/2002	12/21/2002
FILE NAME	V2KV020	V2KY023	V2LL017	V2LQ042	V2LT028	V2LT039
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.67	3.80	2.11	2.82	2.87	1.80
Acetaldehyde	1.55	1.39	0.74	1.11	1.28	0.91
Acetone	0.78	0.50	0.17	0.21	0.35	0.65
Propionaldehyde	0.16	0.12	0.08	0.11	0.11	0.06
Crotonaldehyde	0.01 u	0.01 u	ND	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.20	0.12	0.13	0.14	0.20	0.16
Benzaldehyde	0.06	0.06	0.04	0.04	0.04	0.04
Isovaleraldehyde	0.01	ND	ND	0.01	ND	ND
Valeraldehyde	0.03	0.03	0.02	0.02	0.02	0.02
Tolualdehydes	0.04	0.04	0.02	0.02	0.03	0.05
Hexaldehyde	0.05	0.03	0.02	0.05	0.02	0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit.

- After extraction sample came to room temperature due to power outage.

* - Sample diluted 10X due to high moisture content in cartridge.

St. Petersburg, Florida (Azalea Park - AZFL) 2002 UATMP Carbonyl Annual Data Report

SAMPLE NUMBER	#30830	30922	31044	31117	31265	31329
SAMPLE DATE	11/22/2002	11/28/2002	12/4/2002	12/10/2002	12/16/2002	12/22/2002
ANALYSIS DATE	12/31/2002	1/9/2003	1/14/2003	1/21/2003	1/21/2003	2/2/2003
FILE NAME	V2L\$022	V3AH039	V3AM020	V3AT021	V3AT017	V3BB016
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.72	2.52	4.18	1.93	2.81	3.12
Acetaldehyde	1.16	1.28	1.59	0.92	1.44	2.01
Acetone	1.06	1.16	0.53	0.20	2.53	1.47
Propionaldehyde	0.07	0.10	0.14	0.04	0.14	0.18
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.005 u	0.02 u	0.01 u
Butyr/Isobutyraldehyde	0.16	0.16	0.09 u	0.12	0.21	0.21
Benzaldehyde	0.05	0.03	0.05	0.03	0.07	0.06
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.01	0.02	0.01	0.04	0.06
Tolualdehydes	0.03	0.04	0.04	0.02	0.07	0.07
Hexaldehyde	0.05	0.05	0.04	0.01	0.05	0.05
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit.

- After extraction sample came to room temperature due to power outage.

* - Sample diluted 10X due to high moisture content in cartridge.

St. Petersburg, Florida (Azalea Park - AZFL) 2002 UATMP Carbonyl Annual Data Report

SAMPLE NUMBER	31396
SAMPLE DATE	12/28/2002
ANALYSIS DATE	2/3/2003
FILE NAME	V3BC008
UNITS	ppbv
Formaldehyde	2.00
Acetaldehyde	1.34
Acetone	1.92
Propionaldehyde	0.14
Crotonaldehyde	0.01 u
Butyr/Isobutyraldehyde	0.18
Benzaldehyde	0.04
Isovaleraldehyde	ND
Valeraldehyde	0.04
Tolualdehydes	0.05
Hexaldehyde	0.04
2,5-Dimethylbenzaldehyde	ND

u - Concentration below detection limit.

- After extraction sample came to room temperature due to power outage.

* - Sample diluted 10X due to high moisture content in cartridge.

Azalea Park, Florida (AZFL) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2CE038	Meets	F2CO008	Meets	F2DA018	Meets
FB ID	Criteria	25323 FB	Criteria	25581 FB	Criteria	25886 FB	Criteria
Sample date	per	1/22/2002		2/5/2002		2/19/2002	
Date Analyzed	QAPP	3/5/2002	(Y/N)	3/15/2002	(Y/N)	4/2/2002	(Y/N)
Formaldehyde	<0.3	0.036	Y	0.033	Y	0.035	Y
Acetaldehyde	<0.4	0.117	Y	0.032	Y	0.043	Y
Acetone	<0.75	0.181	Y	0.183	Y	0.217	Y
Propionaldehyde		0.012		ND		ND	
Crotonaldehyde		ND		ND		0.011	
Butyraldehyde		0.114		0.083		0.111	
Benzaldehyde		0.018		0.014		0.015	
Isovaleraldehyde		0.015		ND		ND	
Valeraldehyde		0.015		ND		0.004	
Tolualdehydes		0.069		0.037		0.028	
Hexaldehyde		0.019		0.028		0.019	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.260	Y	0.161	Y	0.187	Y

- After extraction sample came to room temperature due to power outage.

~ - Field blank failed criteria, however, following field blanks passed criteria.

Azalea Park, Florida (AZFL) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	F2DS037 26359 FB 3/9/2002 4/20/2002	Meets Criteria (Y/N)	F2DV010 26363 FB 3/15/2002 4/22/2002	Meets Criteria (Y/N)	F2ES018 26960 FB 4/14/2002 5/19/2002	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.067	Y	0.072	Y	0.039	Y
Acetaldehyde	<0.4	0.039	Y	0.033	Y	0.060	Y
Acetone	<0.75	0.241	Y	0.209	Y	0.265	Y
Propionaldehyde		0.005		ND		0.008	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.096		0.191		0.277	
Benzaldehyde		0.017		0.014		0.016	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.007		0.010		0.008	
Tolualdehydes		0.039		0.061		0.022	
Hexaldehyde		0.021		0.017		0.021	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.183	Y	0.292	Y	0.350	Y

- After extraction sample came to room temperature due to power outage.

~ - Field blank failed criteria, however, following field blanks passed criteria.

Azalea Park, Florida (AZFL) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2EU054	Meets	F2E#023	Meets	V2GI021	Meets
FB ID	Criteria	27043 FB	Criteria	27436 FB	Criteria	27971 FB	Criteria
Sample date	per	4/20/2002		5/8/2002		6/11/2002	
Date Analyzed	QAPP	5/22/2002	(Y/N)	5/30/2002	(Y/N)	7/10/2002	(Y/N)
Formaldehyde	<0.3	0.037	Y	0.020	Y	0.066	Y
Acetaldehyde	<0.4	0.040	Y	0.046	Y	0.038	Y
Acetone	<0.75	0.223	Y	0.171	Y	0.176	Y
Propionaldehyde		0.006		ND		0.004	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.272		0.180		0.007	
Benzaldehyde		0.019		0.007		ND	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.008		ND		0.003	
Tolualdehydes		0.009		0.022		0.049	
Hexaldehyde		0.023		0.028		0.089	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.336	Y	0.236	Y	0.151	Y

- After extraction sample came to room temperature due to power outage.

~ - Field blank failed criteria, however, following field blanks passed criteria.

Azalea Park, Florida (AZFL) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2GK035	Meets	F2GX006	Meets	F2G\$036	Meets
FB ID	Criteria	28184 FB	Criteria	28232 FB	Criteria	28764 FB	Criteria
Sample date	per	6/14/2002		6/19/2002		7/16/2002	
Date Analyzed	QAPP	7/12/2002	(Y/N)	7/24/2002	(Y/N)	7/31/2002	(Y/N)
Formaldehyde	<0.3	0.031	Y	0.110	Y	0.054	Y
Acetaldehyde	<0.4	0.069	Y	0.046	Y	0.058	Y
Acetone	<0.75	0.228	Y	0.220	Y	0.193	Y
Propionaldehyde		0.007		ND		0.004	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.017		0.111		0.134	
Benzaldehyde		0.010		0.006		ND	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.008		ND		ND	
Tolualdehydes		0.024		ND		0.010	
Hexaldehyde		0.024		0.007		0.026	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.089	Y	0.124	Y	0.173	Y

- After extraction sample came to room temperature due to power outage.

~ - Field blank failed criteria, however, following field blanks passed criteria.

Azalea Park, Florida (AZFL) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V2ID027	Meets	~F2IK013	Meets	V2IR036	Meets
FB ID	Criteria	29000 FB	Criteria	29257 FB	Criteria	29666 FB	Criteria
Sample date	per	7/26/2002		8/13/2002		8/30/2002	
Date Analyzed	QAPP	9/5/2002	(Y/N)	9/11/2002	(Y/N)	9/19/2002	(Y/N)
Formaldehyde	<0.3	0.052	Y	3.151	N	0.037	Y
Acetaldehyde	<0.4	0.076	Y	1.570	N	0.096	Y
Acetone	<0.75	0.192	Y	0.703	Y	0.572	Y
Propionaldehyde		0.008		0.143		ND	
Crotonaldehyde		0.010		ND		ND	
Butyraldehyde		0.121		0.784		0.212	
Benzaldehyde		0.013		0.225		0.009	
Isovaleraldehyde		ND		0.023		ND	
Valeraldehyde		0.010		0.054		0.009	
Tolualdehydes		0.042		0.164		0.031	
Hexaldehyde		0.015		0.083		0.019	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.218	Y	1.475	Y	0.280	Y

- After extraction sample came to room temperature due to power outage.

~ - Field blank failed criteria, however, following field blanks passed criteria.

Azalea Park, Florida (AZFL) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2IX032	Meets	V2JP012	Meets	V2KV014	Meets
FB ID	Criteria	29780 FB	Criteria	30013 FB	Criteria	30304 FB	Criteria
Sample date	per	9/5/2002		9/23/2002		10/11/2002	
Date Analyzed	QAPP	9/25/2002	(Y/N)	10/16/2002	(Y/N)	11/23/2002	(Y/N)
Formaldehyde	<0.3	0.080	Y	0.031	Y	0.05	Y
Acetaldehyde	<0.4	0.067	Y	0.054	Y	0.11	Y
Acetone	<0.75	0.289	Y	0.207	Y	0.20	Y
Propionaldehyde		ND		0.005		0.01	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.369		0.195		0.09	
Benzaldehyde		0.009		0.008		0.07	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.006		0.004		0.01	
Tolualdehydes		0.057		0.041		0.07	
Hexaldehyde		0.015		0.026		0.04	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.456	Y	0.278	Y	0.270	Y

- After extraction sample came to room temperature due to power outage.

~ - Field blank failed criteria, however, following field blanks passed criteria.

Azalea Park, Florida (AZFL) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	#V2LL017	Meets	#V2LQ041	Meets	V3AH038	Meets
FB ID	Criteria	30476 FB	Criteria	30569 FB	Criteria	30921 FB	Criteria
Sample date	per	10/29/2002		11/5/2002		11/28/2002	
Date Analyzed	QAPP	12/13/2002	(Y/N)	12/18/2002	(Y/N)	1/9/2003	(Y/N)
Formaldehyde	<0.3	0.02	Y	0.03	Y	0.05	Y
Acetaldehyde	<0.4	0.08	Y	0.08	Y	0.15	Y
Acetone	<0.75	0.17	Y	0.18	Y	0.19	Y
Propionaldehyde		ND		0.01		0.01	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.06		0.09		0.14	
Benzaldehyde		0.01		0.02		0.01	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.01	
Tolualdehydes		0.03		0.05		0.03	
Hexaldehyde		0.03		0.03		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.140	Y	0.194	Y	0.208	Y

- After extraction sample came to room temperature due to power outage.

~ - Field blank failed criteria, however, following field blanks passed criteria.

Azalea Park, Florida (AZFL) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V3AT022	Meets	V3BC009	Meets
FB ID	Criteria	31116 FB	Criteria	31395 FB	Criteria
Sample date	per	12/10/2002		12/28/2002	
Date Analyzed	QAPP	1/21/2003	(Y/N)	2/3/2003	(Y/N)
Formaldehyde	<0.3	0.44	N	0.06	Y
Acetaldehyde	<0.4	0.07	Y	0.06	Y
Acetone	<0.75	0.23	Y	0.22	Y
Propionaldehyde		0.01		0.01	
Crotonaldehyde		ND		ND	
Butyraldehyde		0.14		0.10	
Benzaldehyde		0.02		0.01	
Isovaleraldehyde		ND		ND	
Valeraldehyde		0.003		0.004	
Tolualdehydes		0.05		0.03	
Hexaldehyde		0.04		0.03	
2,5-Dimethylbenzaldehyde		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.250	Y	0.188	Y

- After extraction sample came to room temperature due to power outage.

~ - Field blank failed criteria, however, following field blanks passed criteria.

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Barceloneta, Puerto Rico (BAPR) 2002 UATMP Carbonyl Annual Data Report

u - Concentration below detection limit

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

% - Sample extracted out of hold time due to power outage.

* - Sample diluted 10X due to high moisture content.

Barcelonetta, Puerto Rico (BAPR) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2A#020	Meets	F2CE014	Meets	F2CL024	Meets
FB ID	Criteria	25134 FB	Criteria	25259 FB	Criteria	25519 FB	Criteria
Sample date	per	1/14/2002		1/20/2002		2/1/2002	
Date Analyzed	QAPP	1/29/2002	(Y/N)	3/5/2002	(Y/N)	3/13/2002	(Y/N)
Formaldehyde	<0.3	0.052	Y	0.040	Y	0.028	Y
Acetaldehyde	<0.4	0.033	Y	0.032	Y	0.050	Y
Acetone	<0.75	0.233	Y	0.210	Y	0.174	Y
Propionaldehyde		0.004		ND		ND	
Crotonaldehyde		ND		0.012		0.013	
Butyraldehyde		0.074		0.174		0.112	
Benzaldehyde		0.015		0.015		0.020	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.007		0.007		0.009	
Tolualdehydes		0.005		0.027		0.024	
Hexaldehyde		0.026		0.021		0.024	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.129	Y	0.256	Y	0.200	Y

Barcelonetta, Puerto Rico (BAPR) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2DD034	Meets	F2DL022	Meets	F2DV035	Meets
FB ID	Criteria	25852 FB	Criteria	26233 FB	Criteria	26323 FB	Criteria
Sample date	per	2/19/2002		3/9/2002		3/15/2002	
Date Analyzed	QAPP	4/4/2002	(Y/N)	4/13/2002	(Y/N)	4/23/2002	(Y/N)
Formaldehyde	<0.3	0.063	Y	0.039	Y	0.057	Y
Acetaldehyde	<0.4	0.089	Y	0.071	Y	0.047	Y
Acetone	<0.75	0.260	Y	0.241	Y	0.203	Y
Propionaldehyde		0.015		ND		ND	
Crotonaldehyde		ND		0.035		0.206	
Butyraldehyde		0.074		0.014		0.015	
Benzaldehyde		0.013		ND		ND	
Isovaleraldehyde		ND		0.006		0.009	
Valeraldehyde		0.007		0.029		0.028	
Tolualdehydes		0.031		0.017		0.016	
Hexaldehyde		0.017		ND		ND	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.155	Y	0.100	Y	0.273	Y

Barcelonetta, Puerto Rico (BAPR) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance Criteria per QAPP	F2ES015 26902 FB 4/14/2002 5/19/2002	Meets Criteria (Y/N)	F2ES035 26996 FB 4/20/2002 5/20/2002	Meets Criteria (Y/N)	F2FC012 27445 FB 5/8/2002 6/3/2002	Meets Criteria (Y/N)
FB ID							
Sample date							
Date Analyzed							
Formaldehyde	<0.3	0.046	Y	0.081	Y	0.029	Y
Acetaldehyde	<0.4	0.124	Y	0.174	Y	0.113	Y
Acetone	<0.75	0.200	Y	0.244	Y	0.166	Y
Propionaldehyde		0.010		0.012		0.009	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.187		0.297		0.230	
Benzaldehyde		0.020		0.023		0.014	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.012		0.019		0.008	
Tolualdehydes		0.060		0.045		0.054	
Hexaldehyde		0.024		0.037		0.030	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.312	Y	0.433	Y	0.344	Y

Barcelonetta, Puerto Rico (BAPR) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2FJ021	Meets	V2GJ005	Meets	V2GJ012	Meets
FB ID	Criteria	27748 FB	Criteria	28003 FB	Criteria	28213 FB	Criteria
Sample date	per	5/26/2002		6/13/2002		6/19/2002	
Date Analyzed	QAPP	6/11/2002	(Y/N)	7/10/2002	(Y/N)	7/10/2002	(Y/N)
Formaldehyde	<0.3	0.028	Y	0.049	Y	0.046	Y
Acetaldehyde	<0.4	0.062	Y	0.069	Y	0.070	Y
Acetone	<0.75	0.174	Y	0.151	Y	0.146	Y
Propionaldehyde		0.008		ND		ND	
Crotonaldehyde		ND		0.012		0.206	
Butyraldehyde		0.283		0.011		0.015	
Benzaldehyde		0.014		ND		ND	
Isovaleraldehyde		ND		0.011		0.009	
Valeraldehyde		0.011		0.031		0.028	
Tolualdehydes		0.043		0.026		0.016	
Hexaldehyde		0.018		ND		ND	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.375	Y	0.090	Y	0.273	Y

Barcelonetta, Puerto Rico (BAPR) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V2GP014	Meets	V2ID013	Meets	VOID	Meets
FB ID	Criteria	28563 FB	Criteria	28956 FB	Criteria	29220 FB	Criteria
Sample date	per	7/7/2002		7/25/2002		8/12/2002	
Date Analyzed	QAPP	7/16/2002	(Y/N)	9/4/2002	(Y/N)	VOID	(Y/N)
Formaldehyde	<0.3	0.035	Y	0.077	Y		Y
Acetaldehyde	<0.4	0.102	Y	0.166	Y		Y
Acetone	<0.75	0.157	Y	0.199	Y		Y
Propionaldehyde		0.012		0.009			
Crotonaldehyde		ND		ND			
Butyraldehyde		0.016		0.122			
Benzaldehyde		0.047		0.013			
Isovaleraldehyde		ND		ND			
Valeraldehyde		0.008		0.011			
Tolualdehydes		0.037		0.025			
Hexaldehyde		0.018		0.025			
2,5-Dimethylbenzaldehyde		ND		ND			
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.137	Y	0.204	Y	0.000	Y

Barcelonetta, Puerto Rico (BAPR) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance Criteria per QAPP	V2IR019 29593 FB 8/30/2002 9/19/2002	Meets Criteria (Y/N)	F2IR021 29738 FB 9/5/2002 9/19/2002	Meets Criteria (Y/N)	V2JN030 29971 FB 9/23/2002 10/15/2002	Meets Criteria (Y/N)
FB ID							
Sample date							
Date Analyzed							
Formaldehyde	<0.3	0.029	Y	0.058	Y	0.037	Y
Acetaldehyde	<0.4	0.076	Y	0.058	Y	0.081	Y
Acetone	<0.75	0.228	Y	0.224	Y	0.156	Y
Propionaldehyde		0.006		0.006		ND	
Crotonaldehyde		ND		ND		0.270	
Butyraldehyde		0.203		0.527		0.008	
Benzaldehyde		0.008		0.014		ND	
Isovaleraldehyde		ND		ND		0.005	
Valeraldehyde		0.006		0.009		0.041	
Tolualdehydes		0.038		0.039		0.017	
Hexaldehyde		0.023		0.018		ND	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.283	Y	0.613	Y	0.340	Y

Barcelonetta, Puerto Rico (BAPR) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V2LL012	Meets	V2LQ025	Meets	V2L\$008	Meets
FB ID	Criteria	#30470 FB	Criteria	#30491 FB	Criteria	#30821 FB	Criteria
Sample date	per	10/29/2002		11/4/2002		11/22/2002	
Date Analyzed	QAPP	12/13/2002	(Y/N)	12/18/2002	(Y/N)	12/30/2002	(Y/N)
Formaldehyde	<0.3	0.082	Y	0.045	Y	0.056	Y
Acetaldehyde	<0.4	0.078	Y	0.063	Y	0.105	Y
Acetone	<0.75	0.253	Y	0.245	Y	0.237	Y
Propionaldehyde		ND		0.006		0.009	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.065		0.069		0.125	
Benzaldehyde		0.014		0.014		0.016	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.004		0.004		ND	
Tolualdehydes		0.030		0.025		0.032	
Hexaldehyde		0.021		0.020		0.024	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.133	Y	0.135	Y	0.205	Y

Barcelonetta, Puerto Rico (BAPR) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V3AB049	Meets	V3A\$021	Meets
FB ID	Criteria	31039 FB	Criteria	31362 FB	Criteria
Sample date	per	12/10/2002		12/28/2002	
Date Analyzed	QAPP	1/4/2003	(Y/N)	1/31/2003	(Y/N)
Formaldehyde	<0.3	0.068	Y	0.047	Y
Acetaldehyde	<0.4	0.066	Y	0.082	Y
Acetone	<0.75	0.214	Y	0.273	Y
Propionaldehyde		0.012		0.009	
Crotonaldehyde		ND		0.010	
Butyraldehyde		0.147		0.127	
Benzaldehyde		0.018		0.010	
Isovaleraldehyde		ND		ND	
Valeraldehyde		0.004		0.009	
Tolualdehydes		0.031		0.023	
Hexaldehyde		0.027		0.029	
2,5-Dimethylbenzaldehyde		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.238	Y	0.215	Y

Belle Glade, Florida (BGFL) 2002 UATMP Carbonyl Annual Data Report

SAMPLE NUMBER	#30522	#30794	30916	31271	31385
SAMPLE DATE	11/4/2002	11/16/2002	11/28/2002	12/10/2002	12/22/2002
ANALYSIS DATE	12/18/2002	12/24/2002	1/9/2003	1/20/2003	2/3/2003
FILE NAME	V2LQ040	V2LW027	V3AH025	V3AT011	V3BB025
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	4.14	1.74	0.45	0.52	0.31
Acetaldehyde	2.14	2.89	0.50	1.49	0.38
Acetone	0.37	0.07	0.11	0.08	0.08
Propionaldehyde	0.27	0.22	0.04	0.04	0.03
Crotonaldehyde	0.004 u	0.005 u	0.003 u	0.003 u	0.003 u
Butyr/Isobutyraldehyde	0.11	0.23	0.09	0.10	0.07
Benzaldehyde	0.04	0.04	0.01	0.02	0.01
Isovaleraldehyde	0.01	ND	ND	ND	ND
Valeraldehyde	0.02	0.09	0.02	0.01	0.01
Tolualdehydes	0.04	0.02	0.01	0.01	0.004 u
Hexaldehyde	0.02	0.06	0.03	0.01	0.02
2,5-Dimethylbenzaldehyde	ND	0.01	ND	ND	ND

u - Concentration is below detection limit.

- After extraction sample came to room temperature due to power outage.

Belle Glade, Florida (BGFL) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	#V2LW026 30793 FB 11/16/2002 37614	Meets Criteria (Y/N)	V3AT012 31270 FB 12/10/2002 1/20/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.05	Y	0.08	Y
Acetaldehyde	<0.4	0.08	Y	0.07	Y
Acetone	<0.75	0.22	Y	0.24	Y
Propionaldehyde		ND		0.01	
Crotonaldehyde		0.13		ND	
Butyraldehyde		0.02		0.12	
Benzaldehyde		ND		0.01	
Isovaleraldehyde		0.01		ND	
Valeraldehyde		0.02		0.01	
Tolualdehydes		0.03		0.03	
Hexaldehyde		ND		0.02	
2,5-Dimethylbenzaldehyde		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.199	Y	0.193	Y

Belle Glade, Florida (BGFL) 2002 UATMP Carbonyl Fourth Quarter Data Report

u - Concentration below detection limit

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

% - Sample extracted out of hold time due to power outage.

Bonne Terre, Missouri (BTMO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	31512	31513	31514	31518
SAMPLE DATE	12/10/2002	12/16/2002	12/22/2002	12/28/2002
ANALYSIS DATE	2/6/2003	VOID	2/6/2003	2/6/2003
FILE NAME	V3BE021	VOID	V3BE020	V3BE018
UNITS	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.70		1.44	1.99
Acetaldehyde	1.62		1.23	1.29
Acetone	1.06		0.63	0.97
Propionaldehyde	0.15		0.07	0.06
Crotonaldehyde	0.01 u		0.01 u	0.00 u
Butyr/Isobutyraldehyde	0.17		0.09	0.07 u
Benzaldehyde	0.04		0.01	0.01
Isovaleraldehyde	0.02		0.00	0.00
Valeraldehyde	0.07		0.04	0.03
Tolualdehydes	0.02		0.02	0.01
Hexaldehyde	0.05		0.04	0.02
2,5-Dimethylbenzaldehyde	ND		ND	ND

Bonne Terre, Missouri (BTMO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	31512	31513	31514	31518
SAMPLE DATE	12/10/2002	12/16/2002	12/22/2002	12/28/2002
ANALYSIS DATE	2/6/2003	VOID	2/6/2003	2/6/2003
FILE NAME	V3BE021	VOID	V3BE020	V3BE018
UNITS	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	2.10		1.77	2.45
Acetaldehyde	2.92		2.23	2.33
Acetone	2.52		1.50	2.31
Propionaldehyde	0.36		0.17	0.13
Crotonaldehyde	0.02 u		0.02 u	0.01 u
Butyr/Isobutyraldehyde	0.49		0.27	0.20 u
Benzaldehyde	0.16		0.06	0.05
Isovaleraldehyde	0.05		0.02	0.01
Valeraldehyde	0.24		0.15	0.11
Tolualdehydes	0.11		0.07	0.04
Hexaldehyde	0.23		0.16	0.10
2,5-Dimethylbenzaldehyde	ND		ND	ND

Bonne Terre, Missouri (BTMO) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V3BE019	Meets
FB ID	Criteria	31517 FB	Criteria
Sample date	per	12/30/2002	
Date Analyzed	QAPP	2/6/2003	(Y/N)
Formaldehyde	<0.3	0.05	Y
Acetaldehyde	<0.4	0.06	Y
Acetone	<0.75	0.19	Y
Propionaldehyde		0.01	
Crotonaldehyde		ND	
Butyraldehyde		0.07	
Benzaldehyde		0.02	
Isovaleraldehyde		ND	
Valeraldehyde		0.01	
Tolualdehydes		0.07	
Hexaldehyde		0.03	
2,5-Dimethylbenzaldehyde		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.201	Y

Beulah, North Dakota (BUND) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	24882	25004	25143	25316	25397 D1	25397 R1
SAMPLE DATE	1/2/2002	1/8/2002	1/14/2002	1/20/2002	1/26/2002	1/26/2002
ANALYSIS DATE	1/22/2002	1/25/2002	1/30/2002	3/5/2002	3/13/2002	3/13/2002
FILE NAME	F2AU045	F2AY007	F2A#026	F2CE034	F2CL048	F2CL049
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.03 u	0.09	0.45	0.50	0.51	0.50
Acetaldehyde	0.33	0.05	0.22	0.27	0.36	0.36
Acetone	0.77	0.14	0.86	0.64	0.77	0.77
Propionaldehyde	0.04	ND	0.02	0.04	0.03	0.04
Crotonaldehyde	0.003 u	ND	0.002 u	ND	0.007 u	0.007 u
Butyr/Isobutyraldehyde	0.06	0.03	0.07	0.10	0.10	0.10
Benzaldehyde	0.01	0.00	0.01	0.01	0.01	0.01
Isovaleraldehyde	ND	ND	ND	ND	0.04	0.04
Valeraldehyde	0.01	0.01	0.01	0.01	0.01	0.01
Tolualdehydes	0.01	0.01	0.03	0.02	0.02	0.01
Hexaldehyde	0.01	0.01	0.02	0.03	0.02	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	0.005	ND	ND

u - Concentration is below detection limit.

* - Compounds were blank subtracted.

- After extraction sample came to room temperature due to power outage.

Beulah, North Dakota (BUND) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	25399 D2	25399 R2	25560	25631	25802	25856
SAMPLE DATE	1/26/2002	1/26/2002	2/1/2002	2/7/2002	2/13/2002	2/19/2002
ANALYSIS DATE	3/13/2002	3/13/2002	3/19/2002	3/20/2002	3/21/2002	4/4/2002
FILE NAME	F2CL050	F2CL051	F2CR011	F2CR028	F2CT020	F2DD037
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.51	0.51	0.64	0.58	0.45	0.58
Acetaldehyde	0.36	0.36	0.48	0.30	0.27	0.35
Acetone	0.73	0.72	0.99	0.90	0.67	0.88
Propionaldehyde	0.04	0.03	0.05	0.03	0.02	0.03
Crotonaldehyde	0.006 u	0.006 u	0.007 u	0.007 u	ND	0.006 u
Butyr/Isobutyraldehyde	0.10	0.10	0.10	0.08	0.07	0.06
Benzaldehyde	0.01	0.01	0.01	0.01	0.01	0.01
Isovaleraldehyde	0.04	0.04	ND	ND	ND	ND
Valeraldehyde	0.01	0.01	0.01	0.01	0.01	0.01
Tolualdehydes	0.02	0.02	0.02	0.02	0.01	0.02
Hexaldehyde	0.01	0.01	0.02	0.03	0.02	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below detection limit.

* - Compounds were blank subtracted.

- After extraction sample came to room temperature due to power outage.

Beulah, North Dakota (BUND) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	26062 D1	26062 R1	26064 D2	26064 R2	26135	26303
SAMPLE DATE	2/25/2002	2/25/2002	2/25/2002	2/25/2002	3/3/2002	3/9/2002
ANALYSIS DATE	4/5/2002	4/5/2002	4/5/2002	4/5/2002	4/12/2002	4/20/2002
FILE NAME	F2DD061	F2DD062	F2DD064	F2DD065	F2DL009	F2DS025
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.26	0.27	0.32	0.33	0.38	0.40
Acetaldehyde	0.23	0.23	0.20	0.20	0.27	0.34
Acetone	0.63	0.63	0.60	0.60	0.74	1.01
Propionaldehyde	0.02	0.02	0.02	0.02	0.02	0.04
Crotonaldehyde	0.007 u	0.006 u	0.005 u	0.005 u	ND	ND
Butyr/Isobutyraldehyde	0.06	0.05	0.05	0.05	0.04	0.09
Benzaldehyde	ND	0.01	0.01	0.01	ND	0.01
Isovaleraldehyde	0.01	ND	ND	ND	0.01	ND
Valeraldehyde	0.01	0.01	0.01	0.01	0.01	0.01
Tolualdehydes	0.03	0.02	0.01	0.01	0.02	0.02
Hexaldehyde	0.02	0.02	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below detection limit.

* - Compounds were blank subtracted.

- After extraction sample came to room temperature due to power outage.

Beulah, North Dakota (BUND) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	26384	26458	26548	26604	26676	26889
SAMPLE DATE	3/15/2002	3/21/2002	3/27/2002	4/2/2002	4/8/2002	4/14/2002
ANALYSIS DATE	4/23/2002	4/26/2002	5/11/2002	5/11/2002	5/13/2002	5/19/2002
FILE NAME	F2DV043	F2DZ016	F2EJ016	F2EJ029	F2EM020	F2ES007
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.45	0.39	0.71	0.46	0.55	0.93
Acetaldehyde	0.30	0.32	0.43	0.28	0.36	0.42
Acetone	1.04	1.04	1.65	1.19	1.21	1.46
Propionaldehyde	0.03	0.03	0.03	0.02	0.03	0.02
Crotonaldehyde	0.006 u	0.006 u	0.006 u	0.004 u	0.01 u	0.02
Butyr/Isobutyraldehyde	0.21	0.14	0.08	0.05	0.14	0.12
Benzaldehyde	0.01	0.01	0.01	0.01	0.01	0.01
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.01	0.01	0.01	0.01	0.01
Tolualdehydes	0.02	0.04	0.02	0.02	0.02	0.02
Hexaldehyde	0.02	0.02	0.02	0.04	0.04	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below detection limit.

* - Compounds were blank subtracted.

- After extraction sample came to room temperature due to power outage.

Beulah, North Dakota (BUND) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	27020	27306	27350	27443	27538 D1	27538 R1
SAMPLE DATE	4/20/2002	4/26/2002	5/2/2002	5/8/2002	5/14/2002	5/14/2002
ANALYSIS DATE	5/21/2002	5/24/2002	5/24/2002	6/3/2002	6/7/2002	6/7/2002
FILE NAME	F2EU014	F2EW021	F2EW028	F2FC011	F2FF031	F2FF032
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.62	0.67	0.70	0.53	1.27	1.27
Acetaldehyde	0.38	0.35	0.36	0.30	0.59	0.51
Acetone	1.37	1.14	1.26	1.03	1.89	1.87
Propionaldehyde	0.02	0.02	0.02	0.03	0.03	0.04
Crotonaldehyde	0.009 u	0.004 u	0.006 u	0.008 u	0.005 u	0.008 u
Butyr/Isobutyraldehyde	0.15	0.15	0.14	0.16	0.22	0.23
Benzaldehyde	0.01	0.01	0.01	0.01	0.01	0.01
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.01	0.01	0.01	0.02	0.02
Tolualdehydes	0.03	0.03	0.01	0.02	0.02	0.02
Hexaldehyde	0.03	0.03	0.01	0.01	0.02	0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below detection limit.

* - Compounds were blank subtracted.

- After extraction sample came to room temperature due to power outage.

Beulah, North Dakota (BUND) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	27540 D2	27540 R2	27720	27760	27860	27918
SAMPLE DATE	5/14/2002	5/14/2002	5/20/2002	5/26/2002	6/1/2002	6/7/2002
ANALYSIS DATE	6/7/2002	6/7/2002	6/8/2002	6/11/2002	6/21/2002	6/26/2002
FILE NAME	F2FF033	F2FF034	F2FG028	F2FJ014	F2FT021	F2FZ007
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.23	1.23	0.96	0.91	2.00	1.20
Acetaldehyde	0.53	0.53	0.47	0.53	0.95	0.61
Acetone	1.78	1.79	1.51	1.90	2.73	1.84
Propionaldehyde	0.04	0.04	0.02	0.03	0.03	0.03
Crotonaldehyde	0.006 u	0.006 u	ND	0.006 u	0.008 u	0.006 u
Butyr/Isobutyraldehyde	0.20	0.20	0.26	0.19	0.25	0.29
Benzaldehyde	0.01	0.01	0.01	0.02	0.02	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	0.08
Valeraldehyde	0.02	0.02	0.01	0.02	0.03	0.03
Tolualdehydes	0.02	0.02	0.02	0.02	0.02	0.03
Hexaldehyde	0.01	0.02	0.03	0.01	0.03	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	0.006

u - Concentration is below detection limit.

* - Compounds were blank subtracted.

- After extraction sample came to room temperature due to power outage.

Beulah, North Dakota (BUND) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	28120	28273	28319 D1	28319 R1	28320 D2	28320 R2
SAMPLE DATE	6/13/2002	6/19/2002	6/25/2002	6/25/2002	6/25/2002	6/25/2002
ANALYSIS DATE	7/11/2002	7/16/2002	7/17/2002	7/17/2002	7/17/2002	7/17/2002
FILE NAME	F2GK014	F2GP019	F2GP043	F2GP044	F2GP045	F2GP046
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.92	0.78	1.38	1.38	1.40	1.41
Acetaldehyde	0.39	0.40	0.60	0.60	0.61	0.61
Acetone	1.29	1.34	1.24	1.23	1.05	1.05
Propionaldehyde	0.02	ND	0.04	ND	0.04	0.04
Crotonaldehyde	ND	0.007 u	0.010 u	0.010 u	0.008 u	0.009 u
Butyr/Isobutyraldehyde	0.03	0.03	0.15	0.05	0.05	0.05
Benzaldehyde	0.02	0.02	0.03	0.03	0.03	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.01	0.02	0.02	0.01	0.02
Tolualdehydes	0.03	0.04	0.03	0.06	0.03	0.03
Hexaldehyde	0.02	0.02	0.02	0.02	0.04	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below detection limit.

* - Compounds were blank subtracted.

- After extraction sample came to room temperature due to power outage.

Beulah, North Dakota (BUND) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	28484	28638	28770	28805	29007	29037
SAMPLE DATE	7/1/2002	7/7/2002	7/13/2002	7/19/2002	7/25/2002	7/31/2002
ANALYSIS DATE	7/30/2002	7/18/2002	7/31/2002	8/5/2002	9/5/2002	9/5/2002
FILE NAME	F2G\$011	V2GQ040	F2G\$038	F2HE009	F2IE006	F2IE010
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.32	1.72	1.65	1.79	1.36	1.43
Acetaldehyde	0.72	0.73	0.78	0.88	0.67	0.65
Acetone	1.61	0.76	1.29	1.27	1.57	1.27
Propionaldehyde	0.03	0.05	0.04	0.05	ND	0.02
Crotonaldehyde	0.007 u	0.010 u	0.004 u	0.007 u	0.020	0.012 u
Butyr/Isobutyraldehyde	0.12	0.39	0.11	0.13	0.11	0.13
Benzaldehyde	0.04	0.05	0.04	0.04	0.05	0.03
Isovaleraldehyde	ND	0.02	ND	ND	ND	ND
Valeraldehyde	0.01	0.03	0.02	0.03	0.03	0.03
Tolualdehydes	0.03	0.03	0.04	0.03	0.04	0.03
Hexaldehyde	0.02	0.06	0.02	0.08	0.01	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below detection limit.

* - Compounds were blank subtracted.

- After extraction sample came to room temperature due to power outage.

Beulah, North Dakota (BUND) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	29158	29229	29323	29516	29582	29771
SAMPLE DATE	8/6/2002	8/12/2002	8/18/2002	8/24/2002	8/30/2002	9/5/2002
ANALYSIS DATE	9/10/2002	9/5/2002	9/6/2002	VOID	9/18/2002	9/18/2002
FILE NAME	F2II018	V2ID031	V2ID064	VOID	V2IR012	F2IR013
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.77	0.78	0.88		1.03	1.63
Acetaldehyde	0.70	0.44	0.60		0.38	0.59
Acetone	0.75	1.35	1.87		0.86	1.02
Propionaldehyde	0.05	0.03	0.04		ND	ND
Crotonaldehyde	0.013 u	0.005 u	0.008 u		0.005 u	0.007 u
Butyr/Isobutyraldehyde	0.18	0.15	0.13		0.12	0.35
Benzaldehyde	0.05	0.02	0.01		0.01	0.02
Isovaleraldehyde	0.01	ND	ND		ND	ND
Valeraldehyde	0.03	0.01	0.01		0.02	0.02
Tolualdehydes	0.03	0.03	0.02		0.02	0.04
Hexaldehyde	0.05	0.03	0.04		0.01	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND		ND	0.006

u - Concentration is below detection limit.

* - Compounds were blank subtracted.

- After extraction sample came to room temperature due to power outage.

Beulah, North Dakota (BUND) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	29860 D1	29860 R1	29862 D2	29862 R2	29907	30009
SAMPLE DATE	9/11/2002	9/11/2002	9/11/2002	9/11/2002	9/17/2002	9/23/2002
ANALYSIS DATE	9/25/2002	9/25/2002	9/25/2002	9/25/2002	10/3/2002	10/17/2002
FILE NAME	F2IX039	F2IX040	F2IX041	F2IX042	F2JB050	V2JP024
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.72	0.71	0.71	0.71	1.83	*2.36
Acetaldehyde	0.49	0.51	0.47	0.47	0.99	*0.61
Acetone	1.81	1.86	1.74	1.74	2.79	*0.61
Propionaldehyde	0.02	0.02	0.01	0.01	0.04	0.05
Crotonaldehyde	0.005 u	0.006 u	0.005 u	0.005 u	0.015 u	0.006 u
Butyr/Isobutyraldehyde	0.32	0.30	0.23	0.23	0.28	0.13
Benzaldehyde	0.02	0.02	0.01	0.02	0.02	0.01
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.01	0.01	0.01	0.02	0.01
Tolualdehydes	0.04	0.02	0.03	0.03	0.06	0.02
Hexaldehyde	0.01	0.01	0.01	0.01	0.02	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below detection limit.

* - Compounds were blank subtracted.

- After extraction sample came to room temperature due to power outage.

Beulah, North Dakota (BUND) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30045	30139	30192	30312	30400 D1	30400 R1
SAMPLE DATE	9/29/2002	10/5/2002	10/11/2002	10/17/2002	10/23/2002	10/23/2002
ANALYSIS DATE	10/23/2002	11/4/2002	11/14/2002	11/23/2002	11/26/2002	11/26/2002
FILE NAME	V2JW010	V2KD010	V2KM027	V2KV021	V2KY030	V2KY031
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.91	0.32	0.58	0.41	0.38	0.39
Acetaldehyde	0.52	0.30	0.36	0.32	0.29	0.29
Acetone	1.65	1.18	1.35	0.98	0.96	0.95
Propionaldehyde	0.02	ND	ND	0.02	0.02	0.02
Crotonaldehyde	0.013 u	0.005 u	0.009 u	0.006 u	ND	ND
Butyr/Isobutyraldehyde	0.19	0.08 u	0.05 u	0.06 u	0.05 u	0.05 u
Benzaldehyde	0.01	0.02	0.02	0.02	0.01	0.02
Isovaleraldehyde	ND	ND	ND	0.003 u	ND	ND
Valeraldehyde	0.01	0.01	0.01	0.01	0.01	0.01
Tolualdehydes	0.02	0.01	0.02	0.02	0.01	0.01
Hexaldehyde	0.02	0.01	0.01	0.03	0.01	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below detection limit.

* - Compounds were blank subtracted.

- After extraction sample came to room temperature due to power outage.

Beulah, North Dakota (BUND) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30402 D2	30402 R2	#30447	#30537	#30619	#30746
SAMPLE DATE	10/23/2002	10/23/2002	10/29/2002	11/4/2002	11/10/2002	11/16/2002
ANALYSIS DATE	11/26/2002	11/26/2002	12/13/2002	12/15/2002	12/21/2002	12/24/2002
FILE NAME	V2KY032	V2KY033	V2LL022	V2LN022	V2LT022	V2LW021
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.41	0.41	0.49	0.53	0.31	0.49
Acetaldehyde	0.29	0.29	0.21	0.36	0.26	0.34
Acetone	0.90	0.90	0.84	1.23	0.78	0.93
Propionaldehyde	0.01	0.02	0.01 u	0.05	ND	0.04
Crotonaldehyde	0.004 u	0.004 u	0.007 u	0.006 u	0.005 u	0.006 u
Butyr/Isobutyraldehyde	0.05 u	0.05 u	0.04 u	0.06 u	0.09 u	0.11
Benzaldehyde	0.01	0.01	0.01	0.01	0.02	0.02
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.01	0.00 u	0.01	0.01	0.01
Tolualdehydes	0.01	0.01	0.01	0.01	0.01	0.02
Hexaldehyde	0.01	0.01	0.01	0.01	0.04	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below detection limit.

* - Compounds were blank subtracted.

- After extraction sample came to room temperature due to power outage.

Beulah, North Dakota (BUND) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	#30812	30939	30990	31080	31241	31292
SAMPLE DATE	11/22/2002	11/28/2002	12/4/2002	12/10/2002	12/16/2002	12/22/2002
ANALYSIS DATE	12/31/2002	1/10/2003	1/13/2003	1/16/2003	1/22/2003	1/21/2003
FILE NAME	V2L\$013	V3AH048	V3AM012	V3AP012	V3AU020	V3AU016
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.47	0.41	0.38	0.73	0.38	0.31
Acetaldehyde	0.28	0.25	0.34	0.37	0.52	0.26
Acetone	0.71	0.75	0.81	1.08	0.89	0.72
Propionaldehyde	0.03	0.02	0.03	0.05	0.05	0.02
Crotonaldehyde	0.005 u	ND	0.005 u	0.008 u	0.008 u	0.005 u
Butyr/Isobutyraldehyde	0.08 u	0.07 u	0.08 u	0.11	0.11	0.08 u
Benzaldehyde	0.01	0.01	0.01	0.30	0.14	0.01
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.01	0.01	0.01	0.01	0.01
Tolualdehydes	0.01	0.01	0.01	0.01	0.01	0.01
Hexaldehyde	0.01	0.02	0.02	0.02	0.04	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below detection limit.

* - Compounds were blank subtracted.

- After extraction sample came to room temperature due to power outage.

Beulah, North Dakota (BUND) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	31412
SAMPLE DATE	12/28/2002
ANALYSIS DATE	2/3/2003
FILE NAME	V3BC016
UNITS	ppbv
Formaldehyde	0.50
Acetaldehyde	0.33
Acetone	0.96
Propionaldehyde	0.04
Crotonaldehyde	0.005 u
Butyr/Isobutyraldehyde	0.07 u
Benzaldehyde	0.02
Isovaleraldehyde	ND
Valeraldehyde	0.01
Tolualdehydes	0.01
Hexaldehyde	0.02
2,5-Dimethylbenzaldehyde	ND

u - Concentration is below detection limit.

* - Compounds were blank subtracted.

- After extraction sample came to room temperature due to power outage.

Beulah, North Dakota (BUND) UATMP 2002 Carbonyl Field Blank Annual Data Report

(µg/cartridge)

Data File ID	Acceptance	F2CE033	Meets	F2CR010	Meets	F2DD036	Meets
FB ID	Criteria	25315 FB	Criteria	25559 FB	Criteria	25855 FB	Criteria
Sample date	per	1/20/2002		2/1/2002		2/19/2002	
Date Analyzed	QAPP	3/5/2002	(Y/N)	3/19/2002	(Y/N)	4/4/2002	(Y/N)
Formaldehyde	<0.3	0.077	Y	0.052	Y	0.057	Y
Acetaldehyde	<0.4	0.098	Y	0.049	Y	0.050	Y
Acetone	<0.75	ND	Y	0.184	Y	0.207	Y
Propionaldehyde		0.009		ND		ND	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.285		0.086		0.057	
Benzaldehyde		0.015		0.014		0.016	
Isovaleraldehyde		ND		ND		0.017	
Valeraldehyde		0.008		ND		0.005	
Tolualdehydes		0.054		0.045		0.014	
Hexaldehyde		0.023		0.019		0.012	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.394	Y	0.164	Y	0.121	Y

* - Field blank failed criteria, however, subsequent field blanks passed.

- After extraction, sample came to room temperature due to power outage.

Beulah, North Dakota (BUND) UATMP 2002 Carbonyl Field Blank Annual Data Report

(µg/cartridge)

Data File ID	Acceptance	F2DS024	Meets	F2DV042	Meets	F2ES006	Meets
FB ID	Criteria	26302 FB	Criteria	26383 FB	Criteria	26888 FB	Criteria
Sample date	per	3/9/2002		3/15/2002		4/14/2002	
Date Analyzed	QAPP	4/20/2002	(Y/N)	4/23/2002	(Y/N)	5/19/2002	(Y/N)
Formaldehyde	<0.3	0.042	Y	0.056	Y	0.049	Y
Acetaldehyde	<0.4	0.069	Y	0.068	Y	0.109	Y
Acetone	<0.75	0.235	Y	0.212	Y	ND	Y
Propionaldehyde		0.007		0.004		0.012	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.082		0.237		0.179	
Benzaldehyde		0.018		0.015		0.015	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.004		0.006		0.010	
Tolualdehydes		0.024		0.038		0.051	
Hexaldehyde		0.022		0.016		0.023	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.156	Y	0.315	Y	0.289	Y

* - Field blank failed criteria, however, subsequent field blanks passed.

- After extraction, sample came to room temperature due to power outage.

Beulah, North Dakota (BUND) UATMP 2002 Carbonyl Field Blank Annual Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	F2EU013 27019 FB 4/20/2002 5/21/2002	Meets Criteria (Y/N)	F2FC010 27442 FB 5/8/2002 6/3/2002	Meets Criteria (Y/N)	F2FJ013 27759 FB 5/26/2002 6/11/2002	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.044	Y	0.056	Y	0.057	Y
Acetaldehyde	<0.4	0.096	Y	0.111	Y	0.073	Y
Acetone	<0.75	0.201	Y	0.169	Y	0.189	Y
Propionaldehyde		0.006		0.011		0.300	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.228		0.321		0.016	
Benzaldehyde		0.020		0.010		ND	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.012		0.013		0.013	
Tolualdehydes		0.048		0.063		0.078	
Hexaldehyde		0.045		0.022		0.022	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.359	Y	0.439	Y	0.428	Y

* - Field blank failed criteria, however, subsequent field blanks passed.

- After extraction, sample came to room temperature due to power outage.

Beulah, North Dakota (BUND) UATMP 2002 Carbonyl Field Blank Annual Data Report

(µg/cartridge)

Data File ID	Acceptance	F2GK013	Meets	F2GP020	Meets	V2GQ039	Meets
FB ID	Criteria	28119 FB	Criteria	28272 FB	Criteria	28637 FB	Criteria
Sample date	per	6/13/2002		6/19/2002		7/7/2002	
Date Analyzed	QAPP	7/11/2002	(Y/N)	7/16/2002	(Y/N)	7/18/2002	(Y/N)
Formaldehyde	<0.3	0.061	Y	0.051	Y	0.052	Y
Acetaldehyde	<0.4	0.076	Y	0.146	Y	0.071	Y
Acetone	<0.75	0.163	Y	0.187	Y	ND	Y
Propionaldehyde		0.009		0.013		0.009	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.014		0.019		0.010	
Benzaldehyde		0.054		0.033		0.017	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.011		0.014		0.008	
Tolualdehydes		0.062		0.057		0.038	
Hexaldehyde		0.043		0.019		0.026	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.192	Y	0.154	Y	0.107	Y

* - Field blank failed criteria, however, subsequent field blanks passed.

- After extraction, sample came to room temperature due to power outage.

Beulah, North Dakota (BUND) UATMP 2002 Carbonyl Field Blank Annual Data Report

(µg/cartridge)

Data File ID	Acceptance	F2IE005	Meets	V2ID030	Meets	V2IR011	Meets
FB ID	Criteria	29006 FB	Criteria	29228 FB	Criteria	29581 FB	Criteria
Sample date	per	7/25/2002		8/12/2002		8/30/2002	
Date Analyzed	QAPP	9/5/2002	(Y/N)	9/5/2002	(Y/N)	9/18/2002	(Y/N)
Formaldehyde	<0.3	0.080	Y	0.043	Y	0.049	Y
Acetaldehyde	<0.4	0.083	Y	0.194	Y	0.067	Y
Acetone	<0.75	0.166	Y	0.186	Y	0.233	Y
Propionaldehyde		0.007		0.009		0.005	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.047		0.240		0.235	
Benzaldehyde		0.015		0.011		0.009	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.007		0.012		0.003	
Tolualdehydes		0.043		0.031		0.037	
Hexaldehyde		0.023		0.021		0.022	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.141	Y	0.324	Y	0.308	Y

* - Field blank failed criteria, however, subsequent field blanks passed.

- After extraction, sample came to room temperature due to power outage.

Beulah, North Dakota (BUND) UATMP 2002 Carbonyl Field Blank Annual Data Report

(µg/cartridge)

Data File ID	Acceptance	F2IR012	Meets	V2JP023	Meets	V2KM028	Meets
FB ID	Criteria	29770 FB	Criteria	*30008 FB	Criteria	30191 FB	Criteria
Sample date	per	9/5/2002		9/23/2002		10/11/2002	
Date Analyzed	QAPP	9/18/2002	(Y/N)	10/17/2002	(Y/N)	11/14/2002	(Y/N)
Formaldehyde	<0.3	0.068	Y	0.425	N	0.065	Y
Acetaldehyde	<0.4	0.052	Y	0.475	N	0.083	Y
Acetone	<0.75	0.220	Y	2.216	N	ND	Y
Propionaldehyde		0.007		0.057		0.005	
Crotonaldehyde		ND		0.016		ND	
Butyraldehyde		0.409		0.267		0.024	
Benzaldehyde		0.014		0.036		0.015	
Isovaleraldehyde		ND		0.007		ND	
Valeraldehyde		0.004		0.023		0.004	
Tolualdehydes		0.050		0.067		0.026	
Hexaldehyde		0.018		0.057		0.022	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.502	Y	0.528	Y	0.095	Y

* - Field blank failed criteria, however, subsequent field blanks passed.

- After extraction, sample came to room temperature due to power outage.

Beulah, North Dakota (BUND) UATMP 2002 Carbonyl Field Blank Annual Data Report

(µg/cartridge)

Data File ID	Acceptance	V2LN007	Meets	V2LN021	Meets	V2L\$014	Meets
FB ID	Criteria	#30620 FB	Criteria	#30536 FB	Criteria	#30811 FB	Criteria
Sample date	per	10/29/2002		11/4/2002		11/22/2002	
Date Analyzed	QAPP	12/14/2002	(Y/N)	12/15/2002	(Y/N)	12/31/2002	(Y/N)
Formaldehyde	<0.3	0.035	Y	0.020	Y	0.044	Y
Acetaldehyde	<0.4	0.081	Y	0.064	Y	0.071	Y
Acetone	<0.75	0.225	Y	0.218	Y	0.225	Y
Propionaldehyde		ND		0.008		ND	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.060		0.070		0.130	
Benzaldehyde		0.016		0.020		0.011	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.003		0.006		0.006	
Tolualdehydes		0.023		0.017		0.020	
Hexaldehyde		0.015		0.034		0.023	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.116	Y	0.153	Y	0.189	Y

* - Field blank failed criteria, however, subsequent field blanks passed.

- After extraction, sample came to room temperature due to power outage.

Beulah, North Dakota (BUND) UATMP 2002 Carbonyl Field Blank Annual Data Report

(µg/cartridge)

Data File ID	Acceptance	V3AP013	Meets	V3BC015	Meets
FB ID	Criteria	31079 FB	Criteria	31411 FB	Criteria
Sample date	per	12/10/2002		12/28/2002	
Date Analyzed	QAPP	1/16/2003	(Y/N)	2/3/2003	(Y/N)
Formaldehyde	<0.3	0.049	Y	0.084	Y
Acetaldehyde	<0.4	0.057	Y	0.066	Y
Acetone	<0.75	0.228	Y	0.210	Y
Propionaldehyde		0.007		ND	
Crotonaldehyde		ND		ND	
Butyraldehyde		0.195		0.102	
Benzaldehyde		0.028		0.021	
Isovaleraldehyde		ND		ND	
Valeraldehyde		0.005		ND	
Tolualdehydes		0.027		0.024	
Hexaldehyde		0.019		0.024	
2,5-Dimethylbenzaldehyde		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.281	Y	0.170	Y

* - Field blank failed criteria, however, subsequent field blanks passed.

- After extraction, sample came to room temperature due to power outage.

Cedar Rapids, Iowa (C2IA) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	24868	25118	25233	25427 D1	25427 R1	25429 D2
SAMPLE DATE	1/2/2002	1/14/2002	1/20/2002	1/26/2002	1/26/2002	1/26/2002
ANALYSIS DATE	1/22/2002	1/26/2002	3/4/2002	3/14/2002	3/14/2002	3/15/2002
FILE NAME	F2AU044	F2AY022	F2CE007	F2CL089	F2CL090	F2CL091
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.97	1.00	1.50	2.48	2.46	1.78
Acetaldehyde	0.68	0.90	2.05	2.18	2.17	1.56
Acetone	1.09	1.18	1.28	2.25	2.24	1.68
Propionaldehyde	0.05	0.05	0.06	0.09	0.09	0.06
Crotonaldehyde	0.005 u	0.003 u	0.006 u	0.007 u	0.007 u	0.007 u
Butyr/Isobutyraldehyde	0.08	0.10	0.12	0.13	0.13	0.12
Benzaldehyde	0.02	0.01	0.01	0.02	0.01	0.01
Isovaleraldehyde	ND	ND	0.02	ND	ND	ND
Valeraldehyde	0.02	0.01	0.01	0.02	0.02	0.01
Tolualdehydes	0.01	0.01	0.02	0.02	0.02	0.02
Hexaldehyde	0.01	0.02	0.01	0.02	0.02	0.01
2,5-Dimethylbenzaldehyde	ND	ND	0.01	ND	ND	ND

u - Compound below detection limit

* - See last page for explanation.

- See last page for explanation.

? - See last page for explanation.

Cedar Rapids, Iowa (C2IA) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	25429 R2	25533	25635	25726	25869	25986 D1
SAMPLE DATE	1/26/2002	2/1/2002	2/7/2002	2/13/2002	2/19/2002	2/25/2002
ANALYSIS DATE	3/15/2002	3/13/2002	3/20/2002	4/1/2002	4/2/2002	4/4/2002
FILE NAME	F2CL092	F2CL033	F2CR030	F2DA007	F2DA023	F2DD023
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.77	1.39	1.90	1.10	1.31	0.63
Acetaldehyde	1.55	0.75	1.27	0.60	1.37	0.34
Acetone	0.82	0.85	2.20	0.98	3.24	0.59
Propionaldehyde	0.06	0.03	0.05	0.02	0.06	ND
Crotonaldehyde	0.007 u	0.005 u	0.007 u	ND	0.008 u	0.009 u
Butyr/Isobutyraldehyde	0.12	0.07	0.09	0.05	0.22	0.06
Benzaldehyde	0.01	0.01	0.01	0.01	0.01	0.01
Isovaleraldehyde	ND	ND	ND	ND	ND	0.02
Valeraldehyde	0.01	0.01	0.01	0.01	0.22	0.005
Tolualdehydes	0.01	0.01	0.02	0.01	0.03	0.01
Hexaldehyde	0.02	0.01	0.02	0.01	0.03	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Compound below detection limit

* - See last page for explanation.

- See last page for explanation.

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SAMPLE #	25986 R1	25988 D2	25988 R2	26152	26334	26337
SAMPLE DATE	2/25/2002	2/25/2002	2/25/2002	3/3/2002	3/9/2002	3/15/2002
ANALYSIS DATE	4/4/2002	4/4/2002	4/4/2002	4/12/2002	4/20/2002	4/23/2002
FILE NAME	F2DD024	F2DD025	F2DD026	F2DL012	F2DS027	F2DV041
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.61	0.83	0.87	1.01	0.40	0.51
Acetaldehyde	0.35	0.42	0.44	0.29	0.37	0.33
Acetone	0.60	0.68	0.69	0.57	1.42	1.12
Propionaldehyde	ND	ND	ND	0.01	0.02	0.02
Crotonaldehyde	ND	ND	ND	ND	ND	ND
Butyr/Isobutyraldehyde	0.05	0.04	0.04	0.02	0.07	0.16
Benzaldehyde	0.01	0.005	0.01	0.005	0.01	0.01
Isovaleraldehyde	0.02	ND	ND	0.01	ND	ND
Valeraldehyde	0.01	0.002 u	0.004	0.003 u	0.01	0.01
Tolualdehydes	0.01	0.01	0.01	0.01	0.01	0.01
Hexaldehyde	0.01	0.01	0.01	0.01	0.01	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	0.004	ND	ND

u - Compound below detection limit

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- See last page for explanation.

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SAMPLE #	26396	26503	26641	26717	26894	27096
SAMPLE DATE	3/21/2002	3/27/2002	4/2/2002	4/8/2002	4/14/2002	4/26/2002
ANALYSIS DATE	4/29/2002	5/10/2002	5/13/2002	5/14/2002	5/19/2002	5/21/2002
FILE NAME	F2D#006	F3EJ008	F2EM013	F2EM034	F2ES009	F2EU023
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.01	1.47	1.08	0.85	2.22	0.94
Acetaldehyde	0.38	1.46	0.72	1.05	2.42	0.59
Acetone	0.98	2.85	1.85	3.18	*5.82	1.27
Propionaldehyde	0.01	0.07	0.03	0.04	0.15	0.07
Crotonaldehyde	ND	0.01	0.006	0.01	0.03	0.005
Butyr/Isobutyraldehyde	0.15	0.18	0.08	0.19	0.27	0.13
Benzaldehyde	0.01	0.02	0.01	0.03	0.07	0.02
Isovaleraldehyde	ND	ND	ND	0.01	0.08	0.00
Valeraldehyde	0.005	0.03	0.01	0.03	0.13	0.02
Tolualdehydes	0.01	0.03	0.02	0.03	0.05	0.01
Hexaldehyde	0.01	0.04	0.01	0.05	0.05	0.02
2,5-Dimethylbenzaldehyde	ND	0.01	ND	ND	ND	ND

u - Compound below detection limit

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- See last page for explanation.

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SAMPLE #	27270	27333	27440	27534 D1	27534 R1	27536 D2
SAMPLE DATE	4/29/2002	5/2/2002	5/8/2002	5/14/2002	5/14/2002	5/14/2002
ANALYSIS DATE	5/24/2002	5/29/2002	6/3/2002	6/7/2002	6/7/2002	6/7/2002
FILE NAME	F2EW012	F2E#009	F2FC009	F2FF026	F2FF027	F2FF028
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.86	0.68	1.43	1.06	1.05	1.03
Acetaldehyde	0.45	0.35	1.12	0.72	0.71	0.69
Acetone	1.35	1.01	0.48	1.64	1.63	1.61
Propionaldehyde	0.06	0.04	0.14	0.08	0.09	0.08
Crotonaldehyde	0.004 u	0.003 u	0.006 u	0.007 u	0.006 u	0.01
Butyr/Isobutyraldehyde	0.13	0.09	0.23	0.20	0.19	0.19
Benzaldehyde	0.02	0.01	0.05	0.02	0.02	0.02
Isovaleraldehyde	ND	ND	0.01	ND	ND	ND
Valeraldehyde	0.01	0.01	0.03	0.02	0.02	0.02
Tolualdehydes	0.03	0.03	0.03	0.02	0.02	0.02
Hexaldehyde	0.03	0.01	0.04	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Compound below detection limit

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- See last page for explanation.

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SAMPLE #	27536 R2	27665	27780	27839	27920	28013
SAMPLE DATE	5/14/2002	5/20/2002	5/26/2002	6/1/2002	6/7/2002	6/13/2002
ANALYSIS DATE	6/7/2002	6/8/2002	6/11/2002	6/20/2002	6/26/2002	7/10/2002
FILE NAME	F2FF029	F2FG015	F2FJ036	F2FT009	F2FZ008	V2GJ011
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.03	1.03	1.35	2.76	2.13	1.45
Acetaldehyde	0.69	0.55	1.01	2.11	1.24	0.63
Acetone	1.60	1.51	1.23	1.55	1.11	0.87
Propionaldehyde	0.08	0.07	0.10	0.33	0.15	0.10
Crotonaldehyde	0.007 u	0.005 u	0.007 u	0.01 u	0.007 u	0.008 u
Butyr/Isobutyraldehyde	0.19	0.16	0.22	0.36	0.42	0.06 u
Benzaldehyde	0.02	0.03	0.02	0.09	0.04	0.03
Isovaleraldehyde	ND	ND	0.01	ND	ND	ND
Valeraldehyde	0.02	0.02	0.02	0.06	0.04	0.02
Tolualdehydes	0.02	0.02	0.02	0.04	0.04	0.02
Hexaldehyde	0.02	0.03	0.02	0.07	0.04	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Compound below detection limit

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- See last page for explanation.

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SAMPLE #	28316	28321 D1	28321 R1	28322 D2	28322 R2	28477
SAMPLE DATE	6/19/2002	6/25/2002	6/25/2002	6/25/2002	6/25/2002	7/1/2002
ANALYSIS DATE	7/17/2002	7/17/2002	7/17/2002	7/17/2002	7/17/2002	7/30/2002
FILE NAME	F2GP026	F2GP047	F2GP048	F2GP049	F2GP050	F2G\$010
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.86	4.21	4.65	4.05	4.05	3.09
Acetaldehyde	1.53	1.74	1.73	1.65	1.63	0.98
Acetone	0.82	0.48	0.48	0.44	0.45	0.57
Propionaldehyde	0.16	0.24	0.06	0.22	0.21	0.19
Crotonaldehyde	0.009 u	0.01	0.01 u	0.003 u	0.01 u	ND
Butyr/Isobutyraldehyde	0.22	0.12	0.12	0.12	0.12	0.17
Benzaldehyde	0.08	0.08	0.08	0.09	0.09	0.04
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.04	0.04	0.04	0.04	0.03
Tolualdehydes	0.06	0.05	0.05	0.04	0.04	0.03
Hexaldehyde	0.04	0.05	0.05	0.04	0.04	0.04
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Compound below detection limit

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SAMPLE #	28615	28714	28876	28963	29061	29319
SAMPLE DATE	7/7/2002	7/13/2002	7/19/2002	7/25/2002	7/31/2002	8/18/2002
ANALYSIS DATE	7/18/2002	7/31/2002	8/6/2002	9/4/2002	9/6/2002	9/4/2002
FILE NAME	V2GQ014	F2G\$023	F2HF005	V2ID018	F2IE022	V2ID009
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.66	2.55	2.65	3.25	4.47	2.98
Acetaldehyde	1.19	1.34	1.27	1.71	1.80	1.37
Acetone	0.58	1.29	0.70	1.02	0.67	0.57
Propionaldehyde	0.14	0.16	0.15	0.21	0.18	0.18
Crotonaldehyde	0.01 u	ND	0.007 u	0.008 u	0.02	0.01 u
Butyr/Isobutyraldehyde	0.10	0.22	0.16	0.29	0.21	0.33
Benzaldehyde	0.10	0.03	0.01	0.03	0.18	0.03
Isovaleraldehyde	0.03	ND	ND	0.04	0.08	ND
Valeraldehyde	0.03	0.03	0.04	0.04	0.24	0.21
Tolualdehydes	0.02	0.02	0.03	0.04	0.05	0.02
Hexaldehyde	0.03	0.03	0.03	0.09	0.05	0.17
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Compound below detection limit

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SAMPLE #	29464	29591	29708	29852 D1	29852 R1	29854 D2
SAMPLE DATE	8/24/2002	8/30/2002	9/5/2002	9/11/2002	9/11/2002	9/11/2002
ANALYSIS DATE	9/17/2002	9/19/2002	9/25/2002	9/26/2002	9/26/2002	9/26/2002
FILE NAME	F2IP024	V2IR018	F2IX020	F2IX067	F2IX068	F2IX069
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.04	2.10	2.70	1.18	1.21	1.33
Acetaldehyde	1.08	0.79	1.97	0.67	0.66	0.74
Acetone	0.47	0.67	0.66	0.99	1.02	1.06
Propionaldehyde	0.34	0.04	0.17	0.06	0.09	0.11
Crotonaldehyde	0.007 u	0.006 u	0.006 u	0.006 u	0.005 u	0.006 u
Butyr/Isobutyraldehyde	0.25	0.09	0.22	0.27	0.27	0.33
Benzaldehyde	0.03	0.05	0.05	0.03	0.03	0.04
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.12	0.04	0.10	0.03	0.03	0.03
Tolualdehydes	0.07	0.09	0.04	0.03	0.05	0.04
Hexaldehyde	0.21	0.01	0.05	0.02	0.03	0.04
2,5-Dimethylbenzaldehyde	0.01	ND	ND	ND	ND	ND

u - Compound below detection limit

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- See last page for explanation.

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SAMPLE #	29854 R2	29929	29968	30082	30094	30195
SAMPLE DATE	9/11/2002	9/17/2002	9/23/2002	9/29/2002	10/5/2002	10/11/2002
ANALYSIS DATE	9/26/2002	10/4/2002	10/15/2002	10/24/2002	10/25/2002	11/14/2002
FILE NAME	F2IX070	F2JB059	V2JN027	V2JX008	V2JX025	V2KM025
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.29	2.44	1.51	1.84	1.36	2.11
Acetaldehyde	0.74	1.88	3.47	1.36	1.50	1.80
Acetone	1.04	0.90	1.25	0.50	1.13	1.30
Propionaldehyde	0.08	0.14	0.06	0.14	0.07	0.14
Crotonaldehyde	0.007 u	0.01 u	0.006 u	0.004 u	0.007 u	0.008 u
Butyr/Isobutyraldehyde	0.26	0.27	0.24	0.13	0.17	0.16
Benzaldehyde	0.04	0.04	0.02	0.04	0.02	0.04
Isovaleraldehyde	ND	ND	0.04	ND	0.04	0.06
Valeraldehyde	0.03	0.07	0.02	0.04	0.03	0.09
Tolualdehydes	0.04	0.04	0.02	0.03	0.03	0.03
Hexaldehyde	0.05	0.04	0.03	0.04	0.15	0.06
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Compound below detection limit

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SAMPLE #	30257	30348 D1	30348 R1	30350 D2	30350 R2	30456
SAMPLE DATE	10/17/2002	10/23/2002	10/23/2002	10/23/2002	10/23/2002	10/29/2002
ANALYSIS DATE	11/22/2002	11/27/2002	11/27/2002	11/27/2002	11/27/2002	12/2/2002
FILE NAME	V2KV006	V2KY054	V2KY055	V2KY056	V2KY057	V2LB010
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.75	0.56	0.56	0.54	0.55	0.87
Acetaldehyde	1.01	0.54	0.53	0.50	0.51	0.77
Acetone	1.10	0.79	0.77	0.74	0.76	1.12
Propionaldehyde	0.07	0.04	0.04	0.03	0.04	0.07
Crotonaldehyde	0.005 u	0.004 u	0.005 u	0.004 u	ND	0.004 u
Butyr/Isobutyraldehyde	0.10	0.06	0.06 u	0.05 u	0.06	0.08
Benzaldehyde	0.01	0.01	0.01	0.02	0.03	0.04
Isovaleraldehyde	0.02	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.01	0.01	0.01	0.01	0.01
Tolualdehydes	0.01	0.02	0.02	0.02	0.02	0.02
Hexaldehyde	0.02	0.03	0.02	0.03	0.02	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Compound below detection limit

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- See last page for explanation.

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SAMPLE #	30543	30584 D1	30584 R1	30586 D2	30586 R2	30761
SAMPLE DATE	11/4/2002	11/10/2002	11/10/2002	11/10/2002	11/10/2002	11/16/2002
ANALYSIS DATE	12/15/2002	12/21/2002	12/21/2002	12/21/2002	12/21/2002	12/21/2002
FILE NAME	#V2LN026	#V2LT040	#V2LT041	#V2LT042	#V2LT043	#V2LT036
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.97	0.71	0.71	0.72	0.72	0.48
Acetaldehyde	1.50	0.95	0.95	0.96	0.97	0.41
Acetone	1.25	1.09	1.10	1.05	1.05	0.79
Propionaldehyde	0.06	0.05	0.05	0.05	0.05	0.03
Crotonaldehyde	0.007 u	0.004 u	0.006 u	0.005 u	0.006 u	0.005 u
Butyr/Isobutyraldehyde	0.11	0.11	0.10	0.09	0.09	0.08
Benzaldehyde	0.02	0.02	0.02	0.02	0.02	0.01
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.02	0.02	0.02	0.02	0.02
Tolualdehydes	0.03	0.02	0.02	0.02	0.02	0.02
Hexaldehyde	0.03	0.03	0.03	0.03	0.03	0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Compound below detection limit

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- See last page for explanation.

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SAMPLE #	30819	30878	30933	31028	31131	31315
SAMPLE DATE	11/22/2002	11/28/2002	12/4/2002	12/10/2002	12/16/2002	12/22/2002
ANALYSIS DATE	12/30/2002	1/3/2003	1/10/2003	1/4/2003	1/3/2003	2/2/2003
FILE NAME	#V2L\$009	?V3AB030	V3AH047	V3AB056	V3AB042	V3BB013
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.51	0.60	0.67	1.10	0.40	0.31
Acetaldehyde	0.54	0.47	0.45	1.58	0.28	0.29
Acetone	0.77	0.90	0.90	1.46	0.67	0.71
Propionaldehyde	0.02	0.04	0.05	0.10	0.03	0.03
Crotonaldehyde	0.004 u	0.004 u	0.005 u	0.01 u	ND	0.006 u
Butyr/Isobutyraldehyde	0.08	0.09	0.09	0.16	0.06	0.06
Benzaldehyde	0.01	0.01	0.03	0.02	0.02	0.01
Isovaleraldehyde	ND	ND	ND	0.04	ND	ND
Valeraldehyde	0.01	0.02	0.03	0.05	0.01	0.01
Tolualdehydes	0.01	0.02	0.02	0.02	0.02	0.02
Hexaldehyde	0.02	0.02	0.02	0.04	0.01	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Compound below detection limit

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- See last page for explanation.

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SAMPLE #	31409
SAMPLE DATE	12/28/2002
ANALYSIS DATE	2/3/2003
FILE NAME	V3BC017
UNITS	ppbv
Formaldehyde	0.98
Acetaldehyde	1.16
Acetone	1.58
Propionaldehyde	0.08
Crotonaldehyde	0.007 u
Butyr/Isobutyraldehyde	0.12
Benzaldehyde	0.02
Isovaleraldehyde	ND
Valeraldehyde	0.02
Tolualdehydes	0.02
Hexaldehyde	0.04
2,5-Dimethylbenzaldehyde	ND

u - Compound below detection limit

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- See last page for explanation.

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SAMPLE #	24868	25118	25233	25427 D1	25427 R1	25429 D2
SAMPLE DATE	1/2/2002	1/14/2002	1/20/2002	1/26/2002	1/26/2002	1/26/2002
ANALYSIS DATE	1/22/2002	1/26/2002	3/4/2002	3/14/2002	3/14/2002	3/15/2002
FILE NAME	F2AU044	F2AY022	F2CE007	F2CL089	F2CL090	F2CL091
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	1.19	0.05	1.84	3.06	3.04	2.20
Acetaldehyde	1.23	0.03	3.71	3.94	3.91	2.82
Acetone	2.59	0.22	3.05	5.36	5.32	4.01
Propionaldehyde	0.11	ND	0.15	0.21	0.21	0.15
Crotonaldehyde	0.01 u	ND	0.02 u	0.02 u	0.02 u	0.02 u
Butyr/Isobutyraldehyde	0.23	0.05	0.35	0.39	0.38	0.37
Benzaldehyde	0.07	0.01	0.04	0.07	0.05	0.05
Isovaleraldehyde	ND	ND	0.07	ND	ND	ND
Valeraldehyde	0.07	ND	0.04	0.07	0.06	0.04
Tolualdehydes	0.07	0.01 u	0.08	0.11	0.10	0.08
Hexaldehyde	0.06	0.02 u	0.06	0.07	0.07	0.05
2,5-Dimethylbenzaldehyde	ND	ND	0.06	ND	ND	ND

u - Compound below detection limit

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- See last page for explanation.

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Cedar Rapids, Iowa (C2IA) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	25429 R2	25533	25635	25726	25869	25986 D1
SAMPLE DATE	1/26/2002	2/1/2002	2/7/2002	2/13/2002	2/19/2002	2/25/2002
ANALYSIS DATE	3/15/2002	3/13/2002	3/20/2002	4/1/2002	4/2/2002	4/4/2002
FILE NAME	F2CL092	F2CL033	F2CR030	F2DA007	F2DA023	F2DD023
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	2.18	1.72	2.34	0.04	1.62	0.77
Acetaldehyde	2.80	1.36	2.29	0.07	2.48	0.62
Acetone	1.94	2.02	5.23	0.18	7.71	1.40
Propionaldehyde	0.15	0.07	0.11	0.01	0.14	ND
Crotonaldehyde	0.02 u	0.02 u	0.02 u	ND	0.02 u	0.03 u
Butyr/Isobutyraldehyde	0.36	0.21	0.28	0.13	0.65	0.17
Benzaldehyde	0.04	0.04	0.04	0.01	0.06	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	0.09
Valeraldehyde	0.05	0.02	0.04	0.01	0.77	0.02
Tolualdehydes	0.06	0.06	0.08	0.03	0.17	0.05
Hexaldehyde	0.07	0.04	0.06	0.02	0.11	0.05
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Compound below detection limit

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- See last page for explanation.

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Cedar Rapids, Iowa (C2IA) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	25986 R1	25988 D2	25988 R2	26152	26334	26337
SAMPLE DATE	2/25/2002	2/25/2002	2/25/2002	3/3/2002	3/9/2002	3/15/2002
ANALYSIS DATE	4/4/2002	4/4/2002	4/4/2002	4/12/2002	4/20/2002	4/23/2002
FILE NAME	F2DD024	F2DD025	F2DD026	F2DL012	F2DS027	F2DV041
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	0.76	1.02	1.07	1.24	0.49	0.63
Acetaldehyde	0.64	0.76	0.80	0.52	0.67	0.59
Acetone	1.43	1.63	1.64	1.35	3.38	2.65
Propionaldehyde	ND	ND	ND	0.02	0.05	0.04
Crotonaldehyde	ND	ND	ND	ND	ND	ND
Butyr/Isobutyraldehyde	0.15	0.10	0.10	0.07	0.21	0.46
Benzaldehyde	0.03	0.02	0.02	0.02	0.04	0.05
Isovaleraldehyde	0.08	ND	ND	0.04	ND	ND
Valeraldehyde	0.02	0.01 u	0.01	0.01 u	0.04	0.04
Tolualdehydes	0.04	0.03	0.03	0.06	0.05	0.07
Hexaldehyde	0.05	0.02	0.04	0.04	0.04	0.04
2,5-Dimethylbenzaldehyde	ND	ND	ND	0.02	ND	ND

u - Compound below detection limit

* - See last page for explanation.

- See last page for explanation.

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Cedar Rapids, Iowa (C2IA) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	26396	26503	26641	26717	26894	27096
SAMPLE DATE	3/21/2002	3/27/2002	4/2/2002	4/8/2002	4/14/2002	4/26/2002
ANALYSIS DATE	4/29/2002	5/10/2002	5/13/2002	5/14/2002	5/19/2002	5/21/2002
FILE NAME	F2D#006	F3EJ008	F2EM013	F2EM034	F2ES009	F2EU023
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	1.25	1.82	1.33	1.04	2.74	1.15
Acetaldehyde	0.69	2.64	1.30	1.89	4.36	1.06
Acetone	2.32	6.79	4.41	7.56	*13.86	3.01
Propionaldehyde	0.03	0.16	0.07	0.10	0.37	0.17
Crotonaldehyde	ND	0.03	0.02	0.03	0.08	0.01
Butyr/Isobutyraldehyde	0.46	0.55	0.24	0.57	0.80	0.38
Benzaldehyde	0.02	0.10	0.04	0.14	0.30	0.10
Isovaleraldehyde	ND	ND	ND	0.03	0.29	0.01
Valeraldehyde	0.02	0.09	0.03	0.12	0.45	0.08
Tolualdehydes	0.03	0.17	0.09	0.15	0.27	0.07
Hexaldehyde	0.05	0.16	0.05	0.20	0.21	0.10
2,5-Dimethylbenzaldehyde	ND	0.03	ND	ND	ND	ND

u - Compound below detection limit

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- See last page for explanation.

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Cedar Rapids, Iowa (C2IA) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	27270	27333	27440	27534 D1	27534 R1	27536 D2
SAMPLE DATE	4/29/2002	5/2/2002	5/8/2002	5/14/2002	5/14/2002	5/14/2002
ANALYSIS DATE	5/24/2002	5/29/2002	6/3/2002	6/7/2002	6/7/2002	6/7/2002
FILE NAME	F2EW012	F2E#009	F2FC009	F2FF026	F2FF027	F2FF028
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	1.06	0.84	1.77	1.30	1.30	1.27
Acetaldehyde	0.82	0.64	2.02	1.29	1.28	1.25
Acetone	3.21	2.41	1.14	3.90	3.89	3.84
Propionaldehyde	0.15	0.10	0.34	0.20	0.20	0.19
Crotonaldehyde	0.01 u	0.01 u	0.02 u	0.02 u	0.02 u	0.03
Butyr/Isobutyraldehyde	0.38	0.27	0.69	0.59	0.56	0.57
Benzaldehyde	0.09	0.06	0.20	0.08	0.08	0.09
Isovaleraldehyde	ND	ND	0.04	ND	ND	ND
Valeraldehyde	0.05	0.04	0.10	0.07	0.06	0.06
Tolualdehydes	0.12	0.13	0.13	0.09	0.09	0.09
Hexaldehyde	0.14	0.06	0.15	0.09	0.09	0.08
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Compound below detection limit

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- See last page for explanation.

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Cedar Rapids, Iowa (C2IA) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	27536 R2	27665	27780	27839	27920	28013
SAMPLE DATE	5/14/2002	5/20/2002	5/26/2002	6/1/2002	6/7/2002	6/13/2002
ANALYSIS DATE	6/7/2002	6/8/2002	6/11/2002	6/20/2002	6/26/2002	7/10/2002
FILE NAME	F2FF029	F2FG015	F2FJ036	F2FT009	F2FZ008	V2GJ011
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	1.28	1.27	1.66	3.40	2.63	1.78
Acetaldehyde	1.25	0.99	1.82	3.80	2.23	1.14
Acetone	3.82	3.59	2.94	3.69	2.64	2.08
Propionaldehyde	0.19	0.17	0.24	0.79	0.36	0.23
Crotonaldehyde	0.02 u	0.01 u	0.02 u	0.03 u	0.02 u	0.02 u
Butyr/Isobutyraldehyde	0.57	0.49	0.64	1.06	1.23	0.18 u
Benzaldehyde	0.09	0.11	0.10	0.40	0.18	0.12
Isovaleraldehyde	ND	ND	0.04	ND	ND	ND
Valeraldehyde	0.06	0.08	0.08	0.20	0.15	0.07
Tolualdehydes	0.10	0.10	0.09	0.22	0.19	0.09
Hexaldehyde	0.10	0.11	0.09	0.30	0.15	0.10
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Compound below detection limit

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- See last page for explanation.

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Cedar Rapids, Iowa (C2IA) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	28316	28321 D1	28321 R1	28322 D2	28322 R2	28477
SAMPLE DATE	6/19/2002	6/25/2002	6/25/2002	6/25/2002	6/25/2002	7/1/2002
ANALYSIS DATE	7/17/2002	7/17/2002	7/17/2002	7/17/2002	7/17/2002	7/30/2002
FILE NAME	F2GP026	F2GP047	F2GP048	F2GP049	F2GP050	F2G\$010
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	4.76	5.19	5.73	5.00	5.00	3.81
Acetaldehyde	2.76	3.15	3.13	2.97	2.95	1.78
Acetone	1.95	1.14	1.14	1.05	1.06	1.35
Propionaldehyde	0.39	0.57	0.14	0.52	0.50	0.45
Crotonaldehyde	0.03 u	0.04	0.03 u	0.01 u	0.03 u	ND
Butyr/Isobutyraldehyde	0.64	0.37	0.37	0.36	0.36	0.49
Benzaldehyde	0.35	0.34	0.37	0.38	0.39	0.19
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.10	0.14	0.15	0.16	0.16	0.09
Tolualdehydes	0.32	0.27	0.24	0.21	0.21	0.16
Hexaldehyde	0.18	0.22	0.20	0.18	0.18	0.16
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Compound below detection limit

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- See last page for explanation.

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Cedar Rapids, Iowa (C2IA) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	28615	28714	28876	28963	29061	29319
SAMPLE DATE	7/7/2002	7/13/2002	7/19/2002	7/25/2002	7/31/2002	8/18/2002
ANALYSIS DATE	7/18/2002	7/31/2002	8/6/2002	9/4/2002	9/6/2002	9/4/2002
FILE NAME	V2GQ014	F2G\$023	F2HF005	V2ID018	F2IE022	V2ID009
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	3.27	3.15	3.26	4.01	5.50	3.68
Acetaldehyde	2.15	2.41	2.29	3.09	3.24	2.47
Acetone	1.37	3.06	1.68	2.42	1.61	1.35
Propionaldehyde	0.34	0.38	0.36	0.50	0.44	0.44
Crotonaldehyde	0.03 u	ND	0.02 u	0.02 u	0.04	0.03 u
Butyr/Isobutyraldehyde	0.31	0.64	0.49	0.86	0.61	0.99
Benzaldehyde	0.44	0.11	0.06	0.14	0.80	0.14
Isovaleraldehyde	0.11	ND	ND	0.14	0.29	ND
Valeraldehyde	0.12	0.11	0.13	0.15	0.83	0.75
Tolualdehydes	0.09	0.12	0.15	0.18	0.25	0.11
Hexaldehyde	0.11	0.13	0.11	0.36	0.21	0.71
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Compound below detection limit

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Cedar Rapids, Iowa (C2IA) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	29464	29591	29708	29852 D1	29852 R1	29854 D2
SAMPLE DATE	8/24/2002	8/30/2002	9/5/2002	9/11/2002	9/11/2002	9/11/2002
ANALYSIS DATE	9/17/2002	9/19/2002	9/25/2002	9/26/2002	9/26/2002	9/26/2002
FILE NAME	F2IP024	V2IR018	F2IX020	F2IX067	F2IX068	F2IX069
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	1.28	2.60	3.33	1.46	1.50	1.64
Acetaldehyde	1.94	1.43	3.56	1.20	1.19	1.33
Acetone	1.11	1.59	1.57	2.35	2.43	2.52
Propionaldehyde	0.80	0.08	0.40	0.15	0.22	0.26
Crotonaldehyde	0.02 u	0.02 u	0.02 u	0.02 u	0.01 u	0.02 u
Butyr/Isobutyraldehyde	0.74	0.28	0.65	0.80	0.80	0.97
Benzaldehyde	0.13	0.22	0.23	0.14	0.15	0.17
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.42	0.14	0.35	0.10	0.10	0.12
Tolualdehydes	0.33	0.47	0.19	0.17	0.23	0.22
Hexaldehyde	0.85	0.05	0.21	0.09	0.11	0.15
2,5-Dimethylbenzaldehyde	0.04	ND	ND	ND	ND	ND

u - Compound below detection limit

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Cedar Rapids, Iowa (C2IA) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	29854 R2	29929	29968	30082	30094	30195
SAMPLE DATE	9/11/2002	9/17/2002	9/23/2002	9/29/2002	10/5/2002	10/11/2002
ANALYSIS DATE	9/26/2002	10/4/2002	10/15/2002	10/24/2002	10/25/2002	11/14/2002
FILE NAME	F2IX070	F2JB059	V2JN027	V2JX008	V2JX025	V2KM025
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	1.60	3.01	1.86	2.26	1.67	2.60
Acetaldehyde	1.33	3.40	6.26	2.45	2.70	3.25
Acetone	2.47	2.14	2.97	1.19	2.69	3.09
Propionaldehyde	0.18	0.32	0.14	0.32	0.17	0.34
Crotonaldehyde	0.02 u	0.03 u	0.02 u	0.01 u	0.02 u	0.02 u
Butyr/Isobutyraldehyde	0.76	0.81	0.72	0.39	0.50	0.47
Benzaldehyde	0.16	0.15	0.07	0.18	0.10	0.16
Isovaleraldehyde	ND	ND	0.13	ND	0.16	0.22
Valeraldehyde	0.10	0.23	0.09	0.14	0.12	0.32
Tolualdehydes	0.20	0.20	0.11	0.13	0.13	0.14
Hexaldehyde	0.21	0.17	0.10	0.17	0.61	0.23
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Compound below detection limit

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Cedar Rapids, Iowa (C2IA) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30257	30348 D1	30348 R1	30350 D2	30350 R2	30456
SAMPLE DATE	10/17/2002	10/23/2002	10/23/2002	10/23/2002	10/23/2002	10/29/2002
ANALYSIS DATE	11/22/2002	11/27/2002	11/27/2002	11/27/2002	11/27/2002	12/2/2002
FILE NAME	V2KV006	V2KY054	V2KY055	V2KY056	V2KY057	V2LB010
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	0.92	0.69	0.69	0.67	0.68	1.07
Acetaldehyde	1.83	0.97	0.96	0.91	0.93	1.39
Acetone	2.61	1.87	1.82	1.75	1.81	2.66
Propionaldehyde	0.16	0.09	0.09	0.08	0.09	0.16
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.01 u	ND	0.01 u
Butyr/Isobutyraldehyde	0.28	0.19	0.18 u	0.15 u	0.19	0.24
Benzaldehyde	0.06	0.05	0.06	0.07	0.13	0.19
Isovaleraldehyde	0.09	ND	ND	ND	ND	ND
Valeraldehyde	0.05	0.04	0.04	0.04	0.05	0.04
Tolualdehydes	0.07	0.09	0.09	0.11	0.09	0.09
Hexaldehyde	0.09	0.11	0.09	0.10	0.07	0.07
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Compound below detection limit

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Cedar Rapids, Iowa (C2IA) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30543	30584 D1	30584 R1	30586 D2	30586 R2	30761
SAMPLE DATE	11/4/2002	11/10/2002	11/10/2002	11/10/2002	11/10/2002	11/16/2002
ANALYSIS DATE	12/15/2002	12/21/2002	12/21/2002	12/21/2002	12/21/2002	12/21/2002
FILE NAME	#V2LN026	#V2LT040	#V2LT041	#V2LT042	#V2LT043	#V2LT036
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	1.20	0.87	0.88	0.89	0.89	0.59
Acetaldehyde	2.70	1.72	1.71	1.73	1.75	0.74
Acetone	2.97	2.60	2.62	2.49	2.49	1.88
Propionaldehyde	0.15	0.13	0.13	0.11	0.11	0.08
Crotonaldehyde	0.02 u	0.01 u	0.02 u	0.01 u	0.02 u	0.01 u
Butyr/Isobutyraldehyde	0.33	0.33	0.29	0.28	0.28	0.22
Benzaldehyde	0.09	0.10	0.08	0.09	0.07	0.06
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.06	0.08	0.07	0.07	0.07	0.06
Tolualdehydes	0.15	0.10	0.11	0.11	0.11	0.11
Hexaldehyde	0.11	0.10	0.14	0.12	0.12	0.11
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Compound below detection limit

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- See last page for explanation.

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Cedar Rapids, Iowa (C2IA) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30819	30878	30933	31028	31131	31315
SAMPLE DATE	11/22/2002	11/28/2002	12/4/2002	12/10/2002	12/16/2002	12/22/2002
ANALYSIS DATE	12/30/2002	1/3/2003	1/10/2003	1/4/2003	1/3/2003	2/2/2003
FILE NAME	#V2L\$009	?V3AB030	V3AH047	V3AB056	V3AB042	V3BB013
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	0.62	0.73	0.83	1.35	0.49	0.39
Acetaldehyde	0.98	0.85	0.81	2.86	0.50	0.52
Acetone	1.83	2.14	2.13	3.48	1.60	1.69
Propionaldehyde	0.06	0.10	0.11	0.23	0.08	0.07
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.03 u	ND	0.02 u
Butyr/Isobutyraldehyde	0.22	0.27	0.26	0.47	0.18	0.19
Benzaldehyde	0.06	0.06	0.11	0.10	0.09	0.04
Isovaleraldehyde	ND	ND	ND	0.13	ND	ND
Valeraldehyde	0.04	0.06	0.10	0.17	0.04	0.04
Tolualdehydes	0.07	0.11	0.11	0.12	0.09	0.09
Hexaldehyde	0.07	0.07	0.09	0.15	0.05	0.10
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Compound below detection limit

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- See last page for explanation.

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Cedar Rapids, Iowa (C2IA) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	31409
SAMPLE DATE	12/28/2002
ANALYSIS DATE	2/3/2003
FILE NAME	V3BC017
UNITS	ug/m3
Formaldehyde	1.21
Acetaldehyde	2.09
Acetone	3.77
Propionaldehyde	0.20
Crotonaldehyde	0.02 u
Butyr/Isobutyraldehyde	0.36
Benzaldehyde	0.08
Isovaleraldehyde	ND
Valeraldehyde	0.09
Tolualdehydes	0.12
Hexaldehyde	0.15
2,5-Dimethylbenzaldehyde	ND

u - Compound below detection limit

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Cedar Rapids, Iowa (C2IA) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	F2AY021 25117 1/14/2002 1/26/2002	Meets Criteria (Y/N)	F2CE006 25232 1/20/2002 3/4/2002	Meets Criteria (Y/N)	F2CL032 25532 2/1/2002 3/13/2002	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.05	Y	0.04	Y	0.05	Y
Acetaldehyde	<0.4	0.03	Y	0.04	Y	0.08	Y
Acetone	<0.75	0.22	Y	0.21	Y	0.20	Y
Propionaldehyde		ND		ND		0.01	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.06		0.08		0.14	
Benzaldehyde		0.01		0.02		0.02	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		ND		ND		0.01	
Tolualdehydes		0.01		0.02		0.04	
Hexaldehyde		0.02		0.04		0.03	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.096	Y	0.156	Y	0.235	Y

Cedar Rapids, Iowa (C2IA) 2002 UATMP Carbonyl Annual Field Blank Data Report

(ug/cartridge)

Data File ID	Acceptance Criteria	F2DA022	Meets Criteria	F2DS026	Meets Criteria	F2DV040	Meets Criteria
FB ID		25868		26333		26336	
Sample date	per	2/19/2002		3/9/2002		3/15/2002	
Date Analyzed	QAPP	4/2/2002	(Y/N)	4/20/2002	(Y/N)	4/23/2002	(Y/N)
Formaldehyde	<0.3	0.06	Y	0.03	Y	0.07	Y
Acetaldehyde	<0.4	0.08	Y	0.08	Y	0.05	Y
Acetone	<0.75	0.22	Y	0.22	Y	0.20	Y
Propionaldehyde		ND		ND		ND	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.12		0.08		0.24	
Benzaldehyde		0.02		ND		0.02	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.01	
Tolualdehydes		0.05		0.03		0.06	
Hexaldehyde		0.03		0.02		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.225	Y	0.139	Y	0.339	Y

Cedar Rapids, Iowa (C2IA) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance Criteria	F2ES008	Meets Criteria	F2EU022	Meets Criteria	F2FC008	Meets Criteria
FB ID		26893 FB		27095 FB		27439 FB	
Sample date	per	4/14/2002		4/26/2002		5/8/2002	
Date Analyzed	QAPP	5/19/2002	(Y/N)	5/21/2002	(Y/N)	6/3/2002	(Y/N)
Formaldehyde	<0.3	0.07	Y	0.09	Y	0.05	Y
Acetaldehyde	<0.4	0.13	Y	0.24	Y	0.09	Y
Acetone	<0.75	0.21	Y	0.23	Y	0.16	Y
Propionaldehyde		0.01		0.02		0.01	
Crotonaldehyde		0.01		ND		ND	
Butyraldehyde		0.20		0.23		0.19	
Benzaldehyde		0.02		0.02		0.02	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.01	
Tolualdehydes		0.05		0.06		0.05	
Hexaldehyde		0.02		0.03		0.03	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.314	Y	0.367	Y	0.319	Y

Cedar Rapids, Iowa (C2IA) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	F2FJ035 27779 FB 5/26/2002 6/11/2002	Meets Criteria (Y/N)	V2GJ010 28012 FB 6/13/2002 7/10/2002	Meets Criteria (Y/N)	V2GJ023 28231 FB 6/19/2002 7/11/2002	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.07	Y	0.07	Y	0.07	Y
Acetaldehyde	<0.4	0.12	Y	0.07	Y	0.12	Y
Acetone	<0.75	0.21	Y	0.15	Y	0.15	Y
Propionaldehyde		0.01		0.01		0.01	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.33		0.01		0.02	
Benzaldehyde		0.02		ND		0.03	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.01	
Tolualdehydes		0.06		0.11		0.04	
Hexaldehyde		0.02		0.05		0.05	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.462	Y	0.187	Y	0.152	Y

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(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	V2ID017 28962 FB 7/25/2002 9/4/2002	Meets Criteria (Y/N)	VOID 29707 9/5/2002 VOID	Meets Criteria (Y/N)	V2IR017 29590 FB 8/30/2002 9/19/2002	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.07	Y		Y	0.03	Y
Acetaldehyde	<0.4	0.12	Y		Y	0.12	Y
Acetone	<0.75	0.20	Y		Y	0.23	Y
Propionaldehyde		0.01				0.00	
Crotonaldehyde		ND				0.01	
Butyraldehyde		0.19				0.18	
Benzaldehyde		ND				0.01	
Isovaleraldehyde		ND				ND	
Valeraldehyde		0.01				0.01	
Tolualdehydes		0.15				0.04	
Hexaldehyde		0.03				0.01	
2,5-Dimethylbenzaldehyde		ND				ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.390	Y	0.000	Y	0.263	Y

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(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	V2JN026 29967 9/23/2002 10/15/2002	Meets Criteria (Y/N)	V2KM026 30194 FB 10/11/2002 11/14/2002	Meets Criteria (Y/N)	V2LB009 30455 FB 10/29/2002 12/2/2002	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.04	Y	0.08	Y	0.07	Y
Acetaldehyde	<0.4	0.07	Y	0.08	Y	0.06	Y
Acetone	<0.75	0.13	Y	0.22	Y	0.23	Y
Propionaldehyde		ND		0.01		0.01	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.13		0.04		0.08	
Benzaldehyde		0.01		0.02		0.02	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		ND		0.01		0.00	
Tolualdehydes		0.03		0.05		0.03	
Hexaldehyde		0.03		0.02		0.03	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.194	Y	0.159	Y	0.157	Y

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(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	#V2LN025 30542 FB 11/4/2002 12/15/2002	Meets Criteria (Y/N)	#V2LT037 30760 FB 11/16/2002 12/21/2002	Meets Criteria (Y/N)	#V2L\$010 30818 FB 11/22/2002 12/30/2002	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.03	Y	0.06	Y	0.06	Y
Acetaldehyde	<0.4	0.15	Y	0.16	Y	0.06	Y
Acetone	<0.75	0.27	Y	0.27	Y	0.20	Y
Propionaldehyde		0.01		0.01		ND	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.09		0.15		0.13	
Benzaldehyde		0.04		0.02		0.02	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.01		0.01		ND	
Tolualdehydes		0.03		0.04		0.04	
Hexaldehyde		0.05		0.03		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.235	Y	0.261	Y	0.215	Y

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(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	V3AB057 31027 FB 12/10/2002 1/4/2003	Meets Criteria (Y/N)	V3BC018 31408 FB 12/28/2002 2/3/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.04	Y	0.04	Y
Acetaldehyde	<0.4	0.06	Y	0.08	Y
Acetone	<0.75	0.21	Y	0.21	Y
Propionaldehyde		ND		0.01	
Crotonaldehyde		ND		ND	
Butyraldehyde		0.16		0.10	
Benzaldehyde		0.01		0.03	
Isovaleraldehyde		ND		ND	
Valeraldehyde		0.00		0.01	
Tolualdehydes		0.04		0.06	
Hexaldehyde		0.03		0.05	
2,5-Dimethylbenzaldehyde		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.239	Y	0.240	Y

Cedar Rapids, Iowa (C2IA) 2002 UATMP Carbonyl Annual Data Report

u - Concentration below detection limit

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

% - Sample extracted out of hold time due to power outage.

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SAMPLE #	25072 D1	25072 R1	25074 D2	25074 R2	25156	25313
SAMPLE DATE	1/8/2002	1/8/2002	1/8/2002	1/8/2002	1/14/2002	1/20/2002
ANALYSIS DATE	1/26/2002	1/26/2002	1/26/2002	1/26/2002	1/30/2002	3/5/2002
FILE NAME	F2AY032	F2AY033	F2AY034	F2AY035	F2A#032	F2CE032
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.14	1.13	1.10	1.13	1.95	1.48
Acetaldehyde	0.59	0.62	0.57	0.59	0.97	0.90
Acetone	1.04	1.04	1.04	1.07	1.22	1.33
Propionaldehyde	0.06	0.06	0.06	0.06	0.07	0.11
Crotonaldehyde	0.01	0.01	0.01	0.01	0.01	0.01
Butyr/Isobutyraldehyde	0.10	0.09	0.09	0.10	0.08	0.13
Benzaldehyde	0.03	0.03	0.02	0.03	0.04	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.02	0.02	0.02	0.03	0.02
Tolualdehydes	0.02	0.02	0.01	0.02	0.03	0.02
Hexaldehyde	0.02	0.02	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.004	0.005	0.005	0.005	ND	0.02

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SAMPLE #	25431 D1	25431 R1	25433 D2	25433 R2	25615	25722
SAMPLE DATE	1/26/2002	1/26/2002	1/26/2002	1/26/2002	2/1/2002	2/7/2002
ANALYSIS DATE	3/15/2002	3/15/2002	3/15/2002	3/15/2002	3/20/2002	3/21/2002
FILE NAME	F2CL093	F2CL094	F2CL095	F2CL096	F2CR022	F2CT011
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.24	1.17	1.05	1.04	*10.95	4.53
Acetaldehyde	0.90	0.89	0.85	0.85	1.89	1.42
Acetone	1.20	1.18	1.16	1.15	2.57	5.33
Propionaldehyde	0.09	0.07	0.08	0.08	0.09	ND
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.01 u	0.02	0.01
Butyr/Isobutyraldehyde	0.10	0.10	0.09	0.10	0.15	0.15
Benzaldehyde	0.03	0.03	0.03	0.03	0.14	0.07
Isovaleraldehyde	ND	ND	ND	ND	ND	0.13
Valeraldehyde	0.03	0.03	0.03	0.03	0.08	0.04
Tolualdehydes	0.02	0.02	0.02	0.02	0.10	0.04
Hexaldehyde	0.01	0.02	0.02	0.02	0.05	0.06
2,5-Dimethylbenzaldehyde	0.02	0.02	0.02	0.02	ND	0.005

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SAMPLE #	25728	25901	26042 D1	26042 R1	26044 D2	26044 R2
SAMPLE DATE	2/13/2002	2/19/2002	2/25/2002	2/25/2002	2/25/2002	2/25/2002
ANALYSIS DATE	3/21/2002	4/2/2002	4/13/2002	4/13/2002	4/13/2002	4/13/2002
FILE NAME	F2CT013	F2DA027	F2DL042	F2DL043	F2DL044	F2DL045
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.74	5.86	1.94	1.95	1.78	1.79
Acetaldehyde	0.92	2.37	0.99	1.00	0.92	0.91
Acetone	4.89	*9.9	1.46	1.47	1.40	1.39
Propionaldehyde	0.11	0.13	0.05	0.05	0.04	0.04
Crotonaldehyde	0.01	0.03	0.01	0.01	0.01	0.01
Butyr/Isobutyraldehyde	0.10	0.20	0.07	0.07	0.07	0.07
Benzaldehyde	0.05	0.10	0.04	0.04	0.04	0.04
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.04	0.10	0.03	0.03	0.02	0.02
Tolualdehydes	0.002 u	0.11	0.03	0.03	0.03	0.03
Hexaldehyde	0.06	0.11	0.02	0.02	0.02	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	26120	26264	26358	26441	26515	26598
SAMPLE DATE	3/3/2002	3/9/2002	3/15/2002	3/21/2002	3/27/2002	4/2/2002
ANALYSIS DATE	4/12/2002	4/19/2002	4/22/2002	4/26/2002	5/10/2002	VOID
FILE NAME	F2DL006	F2DS009	F2DV009	F2DZ012	F2EJ012	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.83	1.08	1.79	1.07	0.99	
Acetaldehyde	0.48	0.40	0.69	0.63	0.67	
Acetone	0.69	0.28	0.90	1.49	1.42	
Propionaldehyde	0.04	ND	ND	0.03	0.05	
Crotonaldehyde	0.01 u	ND	0.01 u	0.01 u	0.01 u	
Butyr/Isobutyraldehyde	0.04	0.01	0.08	0.11	0.10	
Benzaldehyde	0.02	0.02	0.03	0.02	0.02	
Isovaleraldehyde	ND	ND	ND	ND	ND	
Valeraldehyde	0.01	0.01	0.03	0.01	0.01	
Tolualdehydes	0.02	0.03	0.04	0.01	0.02	
Hexaldehyde	0.01	ND	ND	0.01	0.03	
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	

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SAMPLE #	26728	26816	27010	27100	27352	27420
SAMPLE DATE	4/8/2002	4/14/2002	4/20/2002	4/26/2002	5/2/2002	5/8/2002
ANALYSIS DATE	5/14/2002	VOID	5/21/2002	5/22/2002	5/24/2002	5/24/2002
FILE NAME	F2EM032	VOID	F2EU012	F2EU025	F2EW029	F2EW035
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.54		2.35	9.51	12.71	11.22
Acetaldehyde	0.64		1.30	2.18	1.92	2.04
Acetone	1.35		0.90	4.54	1.52	2.44
Propionaldehyde	0.02		0.03	0.11	0.09	0.13
Crotonaldehyde	0.01	u	0.01	0.02	0.02	0.03
Butyr/Isobutyraldehyde	0.11		0.09	0.15	0.17	0.21
Benzaldehyde	0.03		0.07	0.12	0.14	0.14
Isovaleraldehyde	ND		ND	ND	ND	ND
Valeraldehyde	0.01		0.03	0.09	0.09	0.09
Tolualdehydes	0.02		0.03	0.10	0.07	0.08
Hexaldehyde	0.01		0.02	0.12	0.03	0.04
2,5-Dimethylbenzaldehyde	ND		ND	ND	ND	ND

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SAMPLE #	27542 D1	27542 R1	27544 D2	27544 R2	27669	27730
SAMPLE DATE	5/14/2002	5/14/2002	5/14/2002	5/14/2002	5/20/2002	5/26/2002
ANALYSIS DATE	6/7/2002	6/7/2002	6/7/2002	6/7/2002	6/8/2002	6/11/2002
FILE NAME	F2FF035	F2FF036	F2FF037	F2FF038	F2FG017	F2FJ030
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.89	0.88	0.87	0.87	7.70	*11.67
Acetaldehyde	0.50	0.45	0.50	0.49	1.54	2.44
Acetone	1.44	1.42	1.44	1.44	**8.96	2.24
Propionaldehyde	0.02	0.02	0.02	0.02	ND	0.04
Crotonaldehyde	0.005 u	0.01 u	0.01 u	0.01 u	0.01	0.02
Butyr/Isobutyraldehyde	0.14	0.14	0.14	0.15	0.14	0.27
Benzaldehyde	0.02	0.02	0.02	0.02	0.08	0.15
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.01	0.01	0.01	0.08	0.12
Tolualdehydes	0.01	ND	0.02	0.02	0.13	0.09
Hexaldehyde	0.01 u	0.01	0.004 u	0.004 u	0.05	0.07
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	27823	27983	28111	28267	28327 D1	28327 R1
SAMPLE DATE	6/1/2002	6/7/2002	6/13/2002	6/19/2002	6/25/2002	6/25/2002
ANALYSIS DATE	6/27/2002	7/9/2002	7/11/2002	7/16/2002	7/29/2002	7/29/2002
FILE NAME	F2FZ020	V2GI010	F2GK008	F2GP013	V2G#008	V2G#009
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.49	1.84	0.62	0.37	0.39	0.38
Acetaldehyde	0.03	0.66	0.26	0.09	0.15	0.27
Acetone	0.09	0.75	0.32	0.20	0.10	0.10
Propionaldehyde	0.04	0.01	0.03	0.01	0.02	0.01
Crotonaldehyde	0.04	0.36	0.02	0.03	0.03	0.03
Butyr/Isobutyraldehyde	0.05	0.03	0.96	ND	ND	ND
Benzaldehyde	0.04	0.04	0.04	0.05	0.03	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.05	0.01	0.03	0.01	0.05	0.07
Tolualdehydes	0.05	0.03	0.05	0.03	0.06	0.04
Hexaldehyde	0.01	0.01	0.02	0.02	0.05	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	0.01	ND	ND

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SAMPLE #	28328 D2	28328 R2	28486	28596	28746	28793
SAMPLE DATE	6/25/2002	6/25/2002	7/1/2002	7/7/2002	7/13/2002	7/19/2002
ANALYSIS DATE	7/29/2002	7/29/2002	7/30/2002	7/17/2002	7/31/2002	8/5/2002
FILE NAME	V2G#010	V2G#011	VOID	V2GQ009	F2G\$029	F2HE008
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.34	0.34	4.00	0.73	3.13	1.73
Acetaldehyde	0.23	0.21	1.23	0.07	1.02	0.91
Acetone	0.10	0.10	1.08	0.07	1.00	0.66
Propionaldehyde	0.02	0.01	ND	0.04	0.02	0.13
Crotonaldehyde	0.02	0.03	0.01	0.04	0.01	0.01
Butyr/Isobutyraldehyde	ND	ND	0.08	ND	0.06	0.11
Benzaldehyde	0.02	0.03	0.06	0.06	0.03	0.04
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.06	0.06	0.01	ND	0.01	0.05
Tolualdehydes	0.03	0.03	ND	0.05	ND	0.05
Hexaldehyde	0.01	0.01	0.04	0.02	0.03	0.06
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	28796	29039	29252	29250	29325	29500
SAMPLE DATE	7/25/2002	7/31/2002	8/6/2002	8/12/2002	8/18/2002	8/24/2002
ANALYSIS DATE	VOID	9/5/2002	VOID	VOID	VOID	9/16/2002
FILE NAME	VOID	F2IE011	VOID	VOID	VOID	F2IP009
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde		0.63				0.44
Acetaldehyde		0.08				0.09
Acetone		0.02				0.34
Propionaldehyde		0.01				ND
Crotonaldehyde		0.05				ND
Butyr/Isobutyraldehyde		0.06	u			0.11
Benzaldehyde		0.02				0.01
Isovaleraldehyde		ND				ND
Valeraldehyde		0.13				0.002
Tolualdehydes		0.03				0.01
Hexaldehyde		0.01				0.002
2,5-Dimethylbenzaldehyde		ND				ND

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SAMPLE #	29662	29689	29844 D1	29844 R1	29846 D2	29846 R2
SAMPLE DATE	8/30/2002	9/5/2002	9/11/2002	9/11/2002	9/11/2002	9/11/2002
ANALYSIS DATE	VOID	9/24/2002	9/26/2002	9/26/2002	9/26/2002	9/26/2002
FILE NAME	VOID	F2IX011	F2IX057	F2IX058	F2IX059	F2IX060
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde		1.58	1.95	1.92	2.00	2.00
Acetaldehyde		0.38	0.17	0.18	0.20	0.20
Acetone		1.48	0.01	0.29	0.29	0.29
Propionaldehyde		ND	0.03	0.02	0.03	0.03
Crotonaldehyde		0.01	0.01	ND	ND	ND
Butyr/Isobutyraldehyde		0.26	0.07	0.06	0.10	0.12
Benzaldehyde		0.02	0.01	0.03	0.02	0.01
Isovaleraldehyde		ND	ND	ND	ND	ND
Valeraldehyde		0.01	0.01	0.01	0.005	0.002
Tolualdehydes		0.04	ND	ND	0.02	0.01
Hexaldehyde		ND	0.01	0.01	0.02	0.01
2,5-Dimethylbenzaldehyde		ND	ND	ND	ND	ND

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SAMPLE #	29913	29995	30034	30105	30212	30268
SAMPLE DATE	9/17/2002	9/23/2002	9/29/2002	10/5/2002	10/11/2002	10/17/2002
ANALYSIS DATE	10/4/2002	10/15/2002	VOID	10/25/2002	11/5/2002	11/13/2002
FILE NAME	F2JB053	V2JN038	VOID	V2JX020	V2KE005	V2KM012
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.33	0.65		0.32	0.13	0.12
Acetaldehyde	0.49	0.27		0.22	0.07	0.06
Acetone	0.37	0.85		0.30	0.14	0.13
Propionaldehyde	0.07	0.04		0.02	0.01 u	0.01 u
Crotonaldehyde	0.03	0.01 u		0.01 u	ND	ND
Butyr/Isobutyraldehyde	0.08	0.09		0.09	0.06 u	0.04 u
Benzaldehyde	0.06	0.03		0.02	0.01	0.01
Isovaleraldehyde	ND	ND		ND	ND	ND
Valeraldehyde	0.07	0.02		0.02	0.001 u	0.003 u
Tolualdehydes	0.05	0.06		0.01	0.002 u	0.01
Hexaldehyde	0.03	0.03		0.01	0.01	0.01
2,5-Dimethylbenzaldehyde	ND	ND		ND	ND	ND

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SAMPLE #	30390 D1	30390 R1	30392 D2	30392 R2	30453	#30531
SAMPLE DATE	10/23/2002	10/23/2002	10/23/2002	10/23/2002	10/29/2002	11/4/2002
ANALYSIS DATE	12/3/2002	12/3/2002	12/3/2002	12/3/2002	12/2/2002	12/14/2002
FILE NAME	V2LB035	V2LB036	V2LB037	V2LB038	V2LB008	V2LN018
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.11	0.11	1.62	1.63	0.15	0.17
Acetaldehyde	0.09	0.09	0.76	0.76	0.08	0.13
Acetone	0.16	0.16	1.74	1.74	0.19	0.22
Propionaldehyde	0.01 u	0.01 u	0.04	0.04	0.01 u	0.01 u
Crotonaldehyde	ND	ND	0.01 u	0.02	ND	ND
Butyr/Isobutyraldehyde	0.03 u	0.03 u	0.08	0.09	0.04 u	0.04 u
Benzaldehyde	0.01	0.01	0.03	0.04	0.01	0.01
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.002 u	0.003 u	0.02	0.02	0.002 u	0.004
Tolualdehydes	0.01	0.01	0.04	0.04	0.01	0.01
Hexaldehyde	0.02	0.02	0.02	0.03	0.01	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	#30604	#30681	?%30835	?30882	30988	31083
SAMPLE DATE	11/10/2002	11/16/2002	11/22/2002	11/28/2002	12/4/2002	12/10/2002
ANALYSIS DATE	12/20/2002	12/23/2002	1/3/2003	1/9/2003	VOID	1/16/2003
FILE NAME	V2LT015	V2LW015	V3AB017	V3AH023	VOID	V3AP011
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.13	0.14	0.08	0.23		0.30
Acetaldehyde	0.08	0.12	0.05	0.08		0.22
Acetone	0.15	0.18	0.11	0.01 u		0.36
Propionaldehyde	0.01	0.01 u	0.005 u	0.01 u		0.02
Crotonaldehyde	0.00 u	ND	ND	0.003 u		0.003 u
Butyr/Isobutyraldehyde	0.07	0.08	0.04 u	0.05 u		0.08
Benzaldehyde	0.01	0.01	0.01	0.01		0.08
Isovaleraldehyde	ND	ND	ND	ND		ND
Valeraldehyde	0.004	0.003 u	0.002 u	0.002 u		0.005
Tolualdehydes	0.01 u	0.01	0.005 u	0.01		0.01
Hexaldehyde	0.01	0.01	0.01	0.01		0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND		ND

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SAMPLE #	31273	31345	31343
SAMPLE DATE	12/16/2002	12/22/2002	12/28/2002
ANALYSIS DATE	1/3/2003	1/30/2003	1/30/2003
FILE NAME	V3AB038	V3A\$010	V3A\$009
UNITS	ppbv	ppbv	ppbv
Formaldehyde	0.10	0.19	0.15
Acetaldehyde	0.11	0.12	0.11
Acetone	0.18	0.19	0.20
Propionaldehyde	0.01	0.01	0.01
Crotonaldehyde	ND	0.003	0.003
Butyr/Isobutyraldehyde	0.06	0.05	0.05
Benzaldehyde	0.08	0.01	0.01
Isovaleraldehyde	ND	ND	ND
Valeraldehyde	0.01	0.005	0.004
Tolualdehydes	0.01	0.01	0.01
Hexaldehyde	0.02	0.01	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND

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u - Concentration below detection limit

* - Compound was diluted 2X.

** - Compound was diluted 5X.

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

% - Sample extracted out of hold time due to power outage.

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(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	F2A#031 25155 FB 1/14/2002 1/30/2002	Meets Criteria (Y/N)	F2CE031 25312 FB 1/20/2002 3/5/2002	Meets Criteria (Y/N)	F2CR021 25614 FB 2/1/2002 3/20/2002	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.051	Y	0.030	Y	0.037	Y
Acetaldehyde	<0.4	0.033	Y	0.067	Y	0.052	Y
Acetone	<0.75	0.253	Y	0.210	Y	0.181	Y
Propionaldehyde		0.003		ND		0.004	
Crotonaldehyde		0.005		ND		0.013	
Butyraldehyde		0.098		0.133		0.096	
Benzaldehyde		0.016		0.013		0.015	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.006		0.010		0.007	
Tolualdehydes		0.019		0.048		0.034	
Hexaldehyde		0.028		0.021		0.023	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.173	Y	0.223	Y	0.190	Y

- After extraction, sample came to room temperature due to power outage.
 % - Sample extracted out of hold time due to power outage.
 ? - Prior to extraction, sample came to room temperature due to power outage.

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(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	F2DA026 25900 FB 2/19/2002 4/2/2002	Meets Criteria (Y/N)	F2DS008 26263 FB 3/9/2002 4/19/2002	Meets Criteria (Y/N)	F2DV008 26357 FB 3/15/2002 4/22/2002	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.046	Y	0.009	Y	0.014	Y
Acetaldehyde	<0.4	0.059	Y	0.007	Y	0.012	Y
Acetone	<0.75	0.230	Y	0.041	Y	0.045	Y
Propionaldehyde		0.004		ND		0.001	
Crotonaldehyde		ND		0.002		0.000	
Butyraldehyde		0.117		0.003		0.051	
Benzaldehyde		0.016		0.003		0.004	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.010		0.001		0.003	
Tolualdehydes		0.046		0.010		0.010	
Hexaldehyde		0.018		0.003		0.004	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.209	Y	0.023	Y	0.073	Y

- After extraction, sample came to room temperature due to power outage.
 % - Sample extracted out of hold time due to power outage.
 ? - Prior to extraction, sample came to room temperature due to power outage.

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(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	F2EO013 26815 FB 4/14/2002 5/15/2002	Meets Criteria (Y/N)	F2EU011 27009 FB 4/20/2002 5/21/2002	Meets Criteria (Y/N)	F2EW034 27419 FB 5/8/2002 5/24/2002	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.053	Y	0.064	Y	0.048	Y
Acetaldehyde	<0.4	0.104	Y	0.105	Y	0.114	Y
Acetone	<0.75	0.224	Y	0.231	Y	0.193	Y
Propionaldehyde		0.013		0.014		0.010	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.302		0.251		0.244	
Benzaldehyde		0.029		0.017		0.014	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.014		0.011		0.014	
Tolualdehydes		0.044		0.052		0.010	
Hexaldehyde		0.088		0.063		0.026	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.487	Y	0.406	Y	0.317	Y

- After extraction, sample came to room temperature due to power outage.
 % - Sample extracted out of hold time due to power outage.
 ? - Prior to extraction, sample came to room temperature due to power outage.

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(µg/cartridge)

Data File ID	Acceptance	F2FJ031	Meets	V2GI011	Meets	F2GP012	Meets
FB ID	Criteria	27729 FB	Criteria	27982 FB	Criteria	28266 FB	Criteria
Sample date	per	5/26/2002		6/7/2002		6/19/2002	
Date Analyzed	QAPP	6/11/2002	(Y/N)	7/9/2002	(Y/N)	7/16/2002	(Y/N)
Formaldehyde	<0.3	0.020	Y	0.024	Y	0.034	Y
Acetaldehyde	<0.4	0.055	Y	0.084	Y	0.072	Y
Acetone	<0.75	0.187	Y	0.205	Y	0.185	Y
Propionaldehyde		0.010		0.010		0.011	
Crotonaldehyde		ND		ND		0.024	
Butyraldehyde		0.288		0.019		0.017	
Benzaldehyde		0.019		0.112		0.039	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.013		0.011		0.014	
Tolualdehydes		0.165		0.015		0.074	
Hexaldehyde		0.012		0.036		0.024	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.506	Y	0.202	Y	0.201	Y

- After extraction, sample came to room temperature due to power outage.
 % - Sample extracted out of hold time due to power outage.
 ? - Prior to extraction, sample came to room temperature due to power outage.

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(µg/cartridge)

Data File ID	Acceptance	V2GQ008	Meets	VOID	Meets	VOID	Meets
FB ID	Criteria	28595 FB	Criteria	28795 FB	Criteria	29249 FB	Criteria
Sample date	per	7/7/2002		7/25/2002		8/12/2002	
Date Analyzed	QAPP	7/17/2002	(Y/N)	VOID	(Y/N)	VOID	(Y/N)
Formaldehyde	<0.3	0.057	Y		Y		Y
Acetaldehyde	<0.4	0.106	Y		Y		Y
Acetone	<0.75	0.154	Y		Y		Y
Propionaldehyde		0.010					
Crotonaldehyde		0.008					
Butyraldehyde		0.021					
Benzaldehyde		0.079					
Isovaleraldehyde		ND					
Valeraldehyde		0.007					
Tolualdehydes		0.045					
Hexaldehyde		0.024					
2,5-Dimethylbenzaldehyde		ND					
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.192	Y	0.000	Y	0.000	Y

- After extraction, sample came to room temperature due to power outage.
 % - Sample extracted out of hold time due to power outage.
 ? - Prior to extraction, sample came to room temperature due to power outage.

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(µg/cartridge)

Data File ID	Acceptance	F2IP008	Meets	VOID	Meets	F2IX010	Meets
FB ID	Criteria	29499 FB	Criteria	29661 FB	Criteria	29688 FB	Criteria
Sample date	per	8/24/2002		8/30/2002		9/5/2002	
Date Analyzed	QAPP	9/16/2002	(Y/N)	VOID	(Y/N)	9/24/2002	(Y/N)
Formaldehyde	<0.3	0.044	Y		Y	0.081	Y
Acetaldehyde	<0.4	0.058	Y		Y	0.137	Y
Acetone	<0.75	0.220	Y		Y	0.250	Y
Propionaldehyde		0.007				0.010	
Crotonaldehyde		ND				ND	
Butyraldehyde		0.183				0.389	
Benzaldehyde		0.016				0.012	
Isovaleraldehyde		ND				ND	
Valeraldehyde		0.004				0.009	
Tolualdehydes		0.028				0.049	
Hexaldehyde		0.019				0.023	
2,5-Dimethylbenzaldehyde		ND				ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.255	Y	0.000	Y	0.491	Y

- After extraction, sample came to room temperature due to power outage.
 % - Sample extracted out of hold time due to power outage.
 ? - Prior to extraction, sample came to room temperature due to power outage.

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(µg/cartridge)

Data File ID	Acceptance	V2JN037	Meets	V2KD018	Meets	V2LB007	Meets
FB ID	Criteria	29994 FB	Criteria	30211 FB	Criteria	30452 FB	Criteria
Sample date	per	9/23/2002		10/11/2002		10/29/2002	
Date Analyzed	QAPP	10/15/2002	(Y/N)	11/5/2002	(Y/N)	12/2/2002	(Y/N)
Formaldehyde	<0.3	0.028	Y	0.047	Y	0.076	Y
Acetaldehyde	<0.4	0.074	Y	0.057	Y	0.066	Y
Acetone	<0.75	0.131	Y	0.187	Y	0.233	Y
Propionaldehyde		0.005		0.005		0.008	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.222		0.026		0.079	
Benzaldehyde		0.010		0.013		0.016	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.009		0.002		0.005	
Tolualdehydes		0.038		0.032		0.030	
Hexaldehyde		0.014		0.020		0.018	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.297	Y	0.098	Y	0.154	Y

- After extraction, sample came to room temperature due to power outage.
 % - Sample extracted out of hold time due to power outage.
 ? - Prior to extraction, sample came to room temperature due to power outage.

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(µg/cartridge)

Data File ID	Acceptance	V2LN017	Meets	V3AB016	Meets	VOID	Meets
FB ID	Criteria	#30530 FB	Criteria	?%30834 FB	Criteria	31082	Criteria
Sample date	per	11/4/2002		11/22/2002		12/10/2002	
Date Analyzed	QAPP	12/14/2002	(Y/N)	1/3/2003	(Y/N)	VOID	(Y/N)
Formaldehyde	<0.3	0.042	Y	0.028	Y		Y
Acetaldehyde	<0.4	0.069	Y	0.089	Y		Y
Acetone	<0.75	0.246	Y	0.215	Y		Y
Propionaldehyde		0.006		ND			
Crotonaldehyde		ND		ND			
Butyraldehyde		0.058		0.123			
Benzaldehyde		0.009		0.019			
Isovaleraldehyde		ND		ND			
Valeraldehyde		0.006		0.006			
Tolualdehydes		0.017		0.035			
Hexaldehyde		0.044		0.023			
2,5-Dimethylbenzaldehyde		ND		ND			
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.139	Y	0.205	Y	0.000	Y

- After extraction, sample came to room temperature due to power outage.
 % - Sample extracted out of hold time due to power outage.
 ? - Prior to extraction, sample came to room temperature due to power outage.

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(µg/cartridge)

Data File ID	Acceptance	V3A\$014	Meets
FB ID	Criteria	31354 FB	Criteria
Sample date	per	12/28/2002	
Date Analyzed	QAPP	1/30/2003	(Y/N)
Formaldehyde	<0.3	0.043	Y
Acetaldehyde	<0.4	0.090	Y
Acetone	<0.75	0.274	Y
Propionaldehyde		0.009	
Crotonaldehyde		ND	
Butyraldehyde		0.161	
Benzaldehyde		0.020	
Isovaleraldehyde		ND	
Valeraldehyde		0.009	
Tolualdehydes		0.020	
Hexaldehyde		0.026	
2,5-Dimethylbenzaldehyde		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.245	Y

- After extraction, sample came to room temperature due to power outage.

% - Sample extracted out of hold time due to power outage.

? - Prior to extraction, sample came to room temperature due to power outage.

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SAMPLE #	24866	25078	25141	25336	25401 D1	25401 R1
SAMPLE DATE	1/2/2002	1/8/2002	1/14/2002	1/20/2002	1/26/2002	1/26/2002
ANALYSIS DATE	1/22/2002	1/25/2002	1/30/2002	3/5/2002	3/13/2002	3/13/2002
FILE NAME	F2AU043	F2AY016	F2A#025	F2CE041	F2CL053	F2CL054
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.29	2.31	2.23	2.18	2.39	2.38
Acetaldehyde	0.86	0.79	0.75	1.09	1.30	1.30
Acetone	0.87	0.87	0.95	1.05	1.10	1.08
Propionaldehyde	0.05	0.05	0.06	0.10	0.07	0.06
Crotonaldehyde	0.01 u	0.004 u	0.01 u	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.06	0.08	0.09	0.14	0.11	0.11
Benzaldehyde	0.01	0.02	0.01	0.02	0.02	0.02
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.03	0.01	0.02	0.02	0.01
Tolualdehydes	0.01	0.01	0.01	0.02	0.02	0.02
Hexaldehyde	0.01	0.01	0.02	0.02	0.01	0.01
2,5-Dimethylbenzaldehyde	0.005	ND	0.007	0.010	ND	ND

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SAMPLE #	25403 D2	25403 R2	25554	25629	25730	25907
SAMPLE DATE	1/26/2002	1/26/2002	2/1/2002	2/7/2002	2/13/2002	2/19/2002
ANALYSIS DATE	3/14/2002	3/14/2002	VOID	3/20/2002	3/21/2002	4/2/2002
FILE NAME	F2CL055	F2CL056	VOID	F2CR027	F2CT014	F2DA031
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.73	2.71		1.86	1.84	2.19
Acetaldehyde	1.53	1.51		1.23	0.40	1.18
Acetone	1.52	1.51		1.67	0.47	1.06
Propionaldehyde	0.09	0.09		0.15	0.02	0.05
Crotonaldehyde	0.01 u	0.01 u		0.02	ND	0.01 u
Butyr/Isobutyraldehyde	0.10	0.10		0.15	0.05	0.08
Benzaldehyde	0.02	0.02		0.03	0.01	0.02
Isovaleraldehyde	ND	ND		ND	ND	ND
Valeraldehyde	0.01	0.01		0.03	0.004 u	0.01
Tolualdehydes	0.02	0.02		0.04	0.01	0.02
Hexaldehyde	0.01	0.01		0.02	0.01	0.01
2,5-Dimethylbenzaldehyde	ND	ND		0.006	ND	ND

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SAMPLE #	26046 D1	26046 R1	26048 D2	26048 R2	26331	26546
SAMPLE DATE	2/25/2002	2/25/2002	2/25/2002	2/25/2002	3/15/2002	3/21/2002
ANALYSIS DATE	4/13/2002	4/13/2002	4/13/2002	4/13/2002	4/23/2002	5/10/2002
FILE NAME	F2DL046	F2DL047	F2DL048	F2DL049	F2DV039	F2EJ015
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.60	2.60	2.73	2.71	3.29	2.30
Acetaldehyde	1.49	1.49	1.53	1.51	1.69	0.71
Acetone	1.45	1.46	1.52	1.51	1.66	1.10
Propionaldehyde	0.08	0.08	0.09	0.09	0.14	0.03
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.08	0.09	0.10	0.10	0.30	0.07
Benzaldehyde	0.02	0.02	0.02	0.02	0.04	0.01
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.01	0.01	0.01	0.04	0.01
Tolualdehydes	0.03	0.02	0.02	0.02	0.03	0.01
Hexaldehyde	0.01	0.01	0.01	0.01	0.03	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	0.003	ND

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SAMPLE #	26556	26600	26726	26810	26984	27249
SAMPLE DATE	3/27/2002	4/2/2002	4/8/2002	4/14/2002	4/20/2002	4/26/2002
ANALYSIS DATE	5/11/2002	5/11/2002	5/14/2002	5/15/2002	5/20/2002	5/23/2002
FILE NAME	F2EJ020	F2EJ027	F2EM033	F2EO010	F2ES031	F2EW010
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.08	3.45	3.75	3.41	3.77	3.18
Acetaldehyde	0.87	0.87	1.46	1.27	0.92	0.57
Acetone	1.13	1.38	1.75	0.72	0.85	1.25
Propionaldehyde	0.05	0.02	0.07	0.07	0.03	0.02
Crotonaldehyde	0.004 u	ND	0.005 u	ND	0.01	ND
Butyr/Isobutyraldehyde	0.08	0.15	0.16	0.18	0.16	0.14
Benzaldehyde	0.02	0.01	0.02	0.02	0.02	0.01
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.004 u	0.01	0.01	0.01	0.01
Tolualdehydes	0.01	0.02	0.03	0.01	0.02	0.003 u
Hexaldehyde	0.02	0.03	0.03	0.01	0.01	0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	27346	27412	27558 D1	27558 R1	27560 D2	27560 R2
SAMPLE DATE	5/2/2002	5/8/2002	5/14/2002	5/14/2002	5/14/2002	5/14/2002
ANALYSIS DATE	5/24/2002	5/24/2002	6/8/2002	6/8/2002	6/8/2002	6/8/2002
FILE NAME	F2EW026	F2EW031	F2FG042	F2FG043	F2FG044	F2FG045
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.57	4.77	2.95	2.97	3.17	3.16
Acetaldehyde	1.39	1.52	0.58	0.58	0.64	0.64
Acetone	1.10	1.52	1.10	1.10	1.20	1.20
Propionaldehyde	0.03	0.06	0.02	0.02	0.02	0.03
Crotonaldehyde	0.01 u	0.004 u	0.004 u	0.004 u	ND	ND
Butyr/Isobutyraldehyde	0.11	0.16	0.23	0.24	0.29	0.29
Benzaldehyde	0.03	0.02	0.01	0.01	0.01	0.01
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.01	0.01	0.01	0.01	0.01
Tolualdehydes	0.03	0.02	0.01	0.02	0.02	0.02
Hexaldehyde	0.02	0.01	0.01	0.01	0.01	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	27673	27742	27854	27998	28223	28220
SAMPLE DATE	5/20/2002	5/26/2002	6/1/2002	6/7/2002	6/13/2002	6/19/2002
ANALYSIS DATE	6/8/2002	6/11/2002	6/20/2002	7/9/2002	7/11/2002	7/11/2002
FILE NAME	F2FG019	F2FJ024	F2FT020	V2GI018	V2GJ020	V2GJ018
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.09	3.45	6.07	4.07	2.72	3.89
Acetaldehyde	0.61	0.86	1.71	1.69	1.31	0.78
Acetone	0.90	1.10	1.49	1.07	1.00	0.72
Propionaldehyde	0.03	0.02	0.10	0.04	0.14	0.03
Crotonaldehyde	ND	ND	ND	0.05	0.01	ND
Butyr/Isobutyraldehyde	0.18	0.16	0.24	0.05	0.13	0.02
Benzaldehyde	0.01	0.01	0.03	0.03	0.05	0.01
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.01	0.02	0.01	0.02	0.004
Tolualdehydes	0.02	0.03	0.03	0.02	0.06	0.02
Hexaldehyde	0.02	0.01	0.03	0.02	0.04	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	28349 D1	28349 R1	28351 D2	28351 R2	28604	28599
SAMPLE DATE	6/25/2002	6/25/2002	6/25/2002	6/25/2002	7/1/2002	7/7/2002
ANALYSIS DATE	7/30/2002	7/30/2002	7/30/2002	7/30/2002	7/31/2002	7/17/2002
FILE NAME	F2G#022	F2G#023	F2G#024	F2G#025	F2G\$022	V2GQ011
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	10.18	10.44	10.18	10.79	10.33	8.39
Acetaldehyde	2.63	2.61	2.70	2.68	2.53	2.30
Acetone	1.31	1.29	1.71	1.72	1.21	1.20
Propionaldehyde	0.17	0.16	0.17	0.17	0.11	0.23
Crotonaldehyde	ND	ND	ND	ND	0.01	0.02
Butyr/Isobutyraldehyde	0.25	0.26	0.31	0.24	0.19	0.17
Benzaldehyde	0.07	0.07	0.08	0.07	0.05	0.19
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.03	0.03	0.03	0.01	0.08
Tolualdehydes	0.05	0.05	0.05	0.06	0.04	0.10
Hexaldehyde	0.03	0.03	0.02	0.04	0.04	0.04
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

Chester, New Jersey (CHNJ) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	28751	28803	28799	29188	29255	29299
SAMPLE DATE	7/13/2002	7/19/2002	7/25/2002	8/6/2002	8/12/2002	8/18/2002
ANALYSIS DATE	VOID	VOID	VOID	VOID	VOID	VOID
FILE NAME	VOID	VOID	VOID	VOID	VOID	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde						
Acetaldehyde						
Acetone						
Propionaldehyde						
Crotonaldehyde						
Butyr/Isobutyraldehyde						
Benzaldehyde						
Isovaleraldehyde						
Valeraldehyde						
Tolualdehydes						
Hexaldehyde						
2,5-Dimethylbenzaldehyde						

Chester, New Jersey (CHNJ) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	29467	29650	29700	29840 D1	29840 R1	29842 D2
SAMPLE DATE	8/24/2002	8/30/2002	9/5/2002	9/11/2002	9/11/2002	9/11/2002
ANALYSIS DATE	9/17/2002	9/19/2002	9/24/2002	10/3/2002	10/3/2002	10/3/2002
FILE NAME	F2IP026	V2IR029	F2IX019	F2JB032	F2JB033	F2JB034
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.69	2.24	2.98	3.93	4.01	3.70
Acetaldehyde	1.46	0.66	0.79	0.98	0.98	0.95
Acetone	0.70	0.68	0.75	1.11	1.10	0.83
Propionaldehyde	0.16	0.04	0.02	0.05	0.05	0.05
Crotonaldehyde	0.01 u	0.004 u	ND	ND	ND	0.004 u
Butyr/Isobutyraldehyde	0.22	0.17	0.25	0.39	0.36	0.29
Benzaldehyde	0.05	0.03	0.01	0.04	0.03	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.01	0.00	0.01	0.01	0.01
Tolualdehydes	0.03	0.03	0.01	0.02	0.02	0.02
Hexaldehyde	0.02	0.02	0.01	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

Chester, New Jersey (CHNJ) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	29842 R2	29917	29989	30078	30122	30220
SAMPLE DATE	9/11/2002	9/17/2002	9/23/2002	9/29/2002	10/5/2002	10/11/2002
ANALYSIS DATE	10/3/2002	10/4/2002	10/15/2002	10/24/2002	11/4/2002	11/5/2002
FILE NAME	F2JB035	F2JB055	V2JN034	V2JX009	V2KD012	V2KE009
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.69	4.34	2.72	3.00	3.40	1.63
Acetaldehyde	0.95	1.26	1.00	1.28	1.43	0.69
Acetone	0.84	1.15	0.76	1.09	0.76	0.50
Propionaldehyde	0.06	0.04	0.04	0.03	0.03	0.04
Crotonaldehyde	ND	ND	ND	0.004 u	ND	0.01 u
Butyr/Isobutyraldehyde	0.29	0.28	0.16	0.13	0.12	0.09
Benzaldehyde	0.03	0.02	0.02	0.02	0.02	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.01	0.01	0.004	0.004 u	0.01
Tolualdehydes	0.02	0.02	0.02	0.02	0.02	0.02
Hexaldehyde	0.02	0.01	0.01	0.02	0.01	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

Chester, New Jersey (CHNJ) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30273	30322 D1	30322 R1	30324 D2	30324 R2	30419
SAMPLE DATE	10/17/2002	10/23/2002	10/23/2002	10/23/2002	10/23/2002	10/29/2002
ANALYSIS DATE	11/6/2002	11/27/2002	11/27/2002	11/26/2002	11/27/2002	11/26/2002
FILE NAME	V2KE015	V2KY046	V2KY047	V2KY044	V2KY045	V2KY014
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.39	1.88	1.89	1.99	2.00	1.62
Acetaldehyde	0.84	1.05	1.04	1.11	1.11	0.98
Acetone	1.00	1.33	1.33	1.45	1.45	1.04
Propionaldehyde	0.03	0.06	0.06	0.04	0.03	0.08
Crotonaldehyde	ND	0.004 u	0.005 u	0.01 u	0.01 u	ND
Butyr/Isobutyraldehyde	0.08	0.09	0.09	0.11	0.11	0.06
Benzaldehyde	0.02	0.02	0.02	0.02	0.02	0.02
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.005	0.01	0.01	0.01	0.01	0.01
Tolualdehydes	0.03	0.02	0.02	0.04	0.04	0.03
Hexaldehyde	0.01	0.02	0.01	0.03	0.03	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

Chester, New Jersey (CHNJ) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	#30528	#30652	?%30891	?%30844	?30874	30984
SAMPLE DATE	11/4/2002	11/10/2002	11/16/2002	11/22/2002	11/28/2002	12/4/2002
ANALYSIS DATE	12/14/2002	12/20/2002	1/3/2003	1/3/2003	1/3/2003	1/13/2003
FILE NAME	V2LN014	V2LT010	V3AB037	V3AB023	V3AB034	V3AM010
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.49	2.44	1.25	0.92	1.42	1.66
Acetaldehyde	1.24	1.79	0.97	0.79	0.93	1.15
Acetone	1.67	0.59	1.21	1.39	0.97	0.94
Propionaldehyde	0.08	0.14	0.06	0.07	0.03	0.06
Crotonaldehyde	0.005 u	0.005 u	0.01 u	0.01 u	0.004 u	0.01 u
Butyr/Isobutyraldehyde	0.09	0.11	0.14	0.12	0.09	0.09
Benzaldehyde	0.02	0.03	0.03	0.02	0.01	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.02	0.02	0.01	0.004	0.01
Tolualdehydes	0.02	0.03	0.03	0.03	0.01	0.02
Hexaldehyde	0.01	0.01	0.01	0.01	0.01	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

Chester, New Jersey (CHNJ) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	31086	31245	31305	31369
SAMPLE DATE	12/10/2002	12/16/2002	12/22/2002	12/28/2002
ANALYSIS DATE	1/16/2003	1/22/2003	2/2/2003	1/31/2003
FILE NAME	V3AP009	V3AU022	V3BB011	V3A\$026
UNITS	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.63	1.34	1.78	1.61
Acetaldehyde	1.15	0.70	1.28	1.02
Acetone	1.32	0.88	0.98	1.12
Propionaldehyde	0.11	0.04	0.04	0.06
Crotonaldehyde	0.01	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.15	0.10	0.09	0.12
Benzaldehyde	0.14	0.08	0.02	0.03
Isovaleraldehyde	ND	ND	ND	ND
Valeraldehyde	0.02	0.01	0.00	0.01
Tolualdehydes	0.01	0.01	0.01	0.03
Hexaldehyde	0.01	0.00 u	0.02	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND

Chester, New Jersey (CHNJ) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2A#024	Meets	F2CE040	Meets	VOID	Meets
FB ID	Criteria	25140 FB	Criteria	25335 FB	Criteria	25553 FB	Criteria
Sample date	per	1/14/2002		1/20/2002		2/1/2002	
Date Analyzed	QAPP	1/30/2002	(Y/N)	3/5/2002	(Y/N)	VOID	(Y/N)
Formaldehyde	<0.3	0.051	Y	0.026	Y		Y
Acetaldehyde	<0.4	0.037	Y	0.049	Y		Y
Acetone	<0.75	0.237	Y	0.205	Y		Y
Propionaldehyde		ND		ND			
Crotonaldehyde		ND		ND			
Butyraldehyde		0.083		0.193			
Benzaldehyde		0.011		0.015			
Isovaleraldehyde		ND		ND			
Valeraldehyde		0.008		ND			
Tolualdehydes		ND		0.041			
Hexaldehyde		0.040		0.040			
2,5-Dimethylbenzaldehyde		ND		ND			
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.142	Y	0.288	Y	0.000	Y

Chester, New Jersey (CHNJ) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2DA030	Meets	F2DV038	Meets	F2EO009	Meets
FB ID	Criteria	25906 FB	Criteria	26330 FB	Criteria	26809 FB	Criteria
Sample date	per	2/19/2002		3/15/2002		4/14/2002	
Date Analyzed	QAPP	4/2/2002	(Y/N)	4/23/2002	(Y/N)	5/15/2002	(Y/N)
Formaldehyde	<0.3	0.044	Y	0.064	Y	0.026	Y
Acetaldehyde	<0.4	0.051	Y	0.052	Y	0.057	Y
Acetone	<0.75	0.213	Y	0.211	Y	0.244	Y
Propionaldehyde		ND		0.005		0.009	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.102		0.242		0.310	
Benzaldehyde		0.015		0.013		ND	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.004		0.006		ND	
Tolualdehydes		0.042		0.091		0.063	
Hexaldehyde		0.024		0.017		0.113	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.187	Y	0.373	Y	0.494	Y

Chester, New Jersey (CHNJ) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2ES030	Meets	F2EW030	Meets	F2FT019	Meets
FB ID	Criteria	26983 FB	Criteria	27411 FB	Criteria	27853 FB	Criteria
Sample date	per	4/20/2002		5/8/2002		6/1/2002	
Date Analyzed	QAPP	5/20/2002	(Y/N)	5/24/2002	(Y/N)	6/20/2002	(Y/N)
Formaldehyde	<0.3	0.037	Y	0.047	Y	0.033	Y
Acetaldehyde	<0.4	0.072	Y	0.1135	Y	0.103	Y
Acetone	<0.75	0.208	Y	0.1795	Y	0.206	Y
Propionaldehyde		0.009		0.009		0.008	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.255		0.2495		0.277	
Benzaldehyde		ND		0.0235		0.028	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.012		0.015		0.014	
Tolualdehydes		0.083		0.0315		0.024	
Hexaldehyde		0.023		0.029		ND	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.381	Y	0.358	Y	0.350	Y

Chester, New Jersey (CHNJ) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V2GJ019	Meets	V2GJ017	Meets	V2GQ010	Meets
FB ID	Criteria	28222 FB	Criteria	28219 FB	Criteria	28598 FB	Criteria
Sample date	per	6/13/2002		6/19/2002		7/7/2002	
Date Analyzed	QAPP	7/11/2002	(Y/N)	7/11/2002	(Y/N)	7/17/2002	(Y/N)
Formaldehyde	<0.3	0.052	Y	0.067	Y	0.066	Y
Acetaldehyde	<0.4	0.073	Y	0.118	Y	0.101	Y
Acetone	<0.75	0.155	Y	0.170	Y	0.151	Y
Propionaldehyde		0.009		0.012		0.012	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.012		0.024		0.022	
Benzaldehyde		0.031		0.025		ND	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.009		0.014		0.011	
Tolualdehydes		0.042		0.048		0.062	
Hexaldehyde		0.017		0.025		0.040	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.119	Y	0.146	Y	0.146	Y

Chester, New Jersey (CHNJ) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	VOID	Meets	VOID	Meets	F2IP025	Meets
FB ID	Criteria	28798 FB	Criteria	29254 FB	Criteria	29466 FB	Criteria
Sample date	per	7/25/2002		8/12/2002		8/24/2002	
Date Analyzed	QAPP	VOID	(Y/N)	VOID	(Y/N)	9/17/2002	(Y/N)
Formaldehyde	<0.3		Y		Y	0.097	Y
Acetaldehyde	<0.4		Y		Y	0.072	Y
Acetone	<0.75		Y		Y	0.220	Y
Propionaldehyde						0.008	
Crotonaldehyde						ND	
Butyraldehyde						0.239	
Benzaldehyde						0.010	
Isovaleraldehyde						ND	
Valeraldehyde						0.014	
Tolualdehydes						0.091	
Hexaldehyde						0.020	
2,5-Dimethylbenzaldehyde						ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.000	Y	0.000	Y	0.382	Y

Chester, New Jersey (CHNJ) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V2IR030	Meets	F2IX018	Meets	V2JN033	Meets
FB ID	Criteria	29649 FB	Criteria	29699 FB	Criteria	29988 FB	Criteria
Sample date	per	8/30/2002		9/5/2002		9/23/2002	
Date Analyzed	QAPP	9/19/2002	(Y/N)	9/24/2002	(Y/N)	10/15/2002	(Y/N)
Formaldehyde	<0.3	0.037	Y	0.037	Y	0.039	Y
Acetaldehyde	<0.4	0.0675	Y	0.082	Y	0.097	Y
Acetone	<0.75	0.218	Y	0.220	Y	0.157	Y
Propionaldehyde		0.007		0.006		0.007	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.214		0.229		0.208	
Benzaldehyde		0.011		0.014		0.015	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.007		0.008		0.007	
Tolualdehydes		0.033		0.041		0.033	
Hexaldehyde		0.0165		0.016		0.021	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.289	Y	0.313	Y	0.289	Y

Chester, New Jersey (CHNJ) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V2KE016	Meets	V2KY015	Meets	V2LN013	Meets
FB ID	Criteria	30272 FB	Criteria	30418 FB	Criteria	#30527 FB	Criteria
Sample date	per	10/17/2002		10/29/2002		11/4/2002	
Date Analyzed	QAPP	11/6/2002	(Y/N)	11/26/2002	(Y/N)	12/14/2002	(Y/N)
Formaldehyde	<0.3	0.059	Y	0.043	Y	0.0375	Y
Acetaldehyde	<0.4	0.162	Y	0.066	Y	0.0945	Y
Acetone	<0.75	0.225	Y	0.239	Y	0.22	Y
Propionaldehyde		0.019		ND		0.0075	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.134		0.064		0.0635	
Benzaldehyde		0.024		0.018		0.015	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.012		0.010		0.006	
Tolualdehydes		0.061		0.021		0.015	
Hexaldehyde		0.036		0.013		0.0205	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.285	Y	0.125	Y	0.128	Y

Chester, New Jersey (CHNJ) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V3AB036	Meets	V3AB022	Meets	V3AP010	Meets
FB ID	Criteria	?%30890 FB	Criteria	?%30843 FB	Criteria	31085 FB	Criteria
Sample date	per	11/16/2002		11/22/2002		12/10/2002	
Date Analyzed	QAPP	1/3/2003	(Y/N)	1/3/2003	(Y/N)	1/16/2003	(Y/N)
Formaldehyde	<0.3	0.056	Y	0.031	Y	0.098	Y
Acetaldehyde	<0.4	0.11	Y	0.054	Y	0.113	Y
Acetone	<0.75	0.223	Y	0.204	Y	0.265	Y
Propionaldehyde		0.0095		0.009		0.011	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.1595		0.154		0.182	
Benzaldehyde		0.016		0.017		0.034	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.0085		0.005		0.008	
Tolualdehydes		0.0345		0.034		0.026	
Hexaldehyde		0.0275		0.072		0.031	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.256	Y	0.289	Y	0.290	Y

Chester, New Jersey (CHNJ) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V3A\$025	Meets
FB ID	Criteria	31368 FB	Criteria
Sample date	per	12/28/2002	
Date Analyzed	QAPP	1/31/2003	(Y/N)
Formaldehyde	<0.3	0.064	Y
Acetaldehyde	<0.4	0.076	Y
Acetone	<0.75	0.228	Y
Propionaldehyde		0.009	
Crotonaldehyde		0.009	
Butyraldehyde		0.138	
Benzaldehyde		0.030	
Isovaleraldehyde		ND	
Valeraldehyde		0.009	
Tolualdehydes		0.031	
Hexaldehyde		0.023	
2,5-Dimethylbenzaldehyde		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.248	Y

Chester, New Jersey (CHNJ) 2002 UATMP Carbonyl Annual Data Report

u - Concentration below detection limit

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

% - Sample extracted out of hold time due to power outage.

Custer, South Dakota (CUSD) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	26524	26666	26867	26944	27063	27272
SAMPLE DATE	3/27/2002	4/2/2002	4/8/2002	4/14/2002	4/20/2002	4/26/2002
ANALYSIS DATE	4/26/2002	5/13/2002	5/16/2002	5/16/2002	5/21/2002	5/24/2002
FILE NAME	F2DZ020	F2EM019	F2EO022	F2EO045	F2EU018	F2EW014
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.87	1.95	2.19	7.83	2.08	2.77
Acetaldehyde	3.05	0.94	1.14	3.90	0.68	0.76
Acetone	5.40	1.59	1.90	2.68	1.31	1.82
Propionaldehyde	0.40	0.10	0.06	0.27	0.05	0.05
Crotonaldehyde	0.08	0.0004 u	0.01 u	0.11	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.39	0.16	0.20	0.30	0.13	0.13
Benzaldehyde	0.15	0.06	0.03	0.10	0.02	0.02
Isovaleraldehyde	ND	0.01	0.02	ND	ND	ND
Valeraldehyde	0.15	0.04	0.03	0.15	0.02	0.02
Tolualdehydes	0.61	0.06	0.04	0.20	0.04	0.03
Hexaldehyde	0.05	0.09	0.04	0.05	0.03	0.03
2,5-Dimethylbenzaldehyde	0.73	ND	ND	0.09	ND	ND

Custer, South Dakota (CUSD) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	27414	27482	27628 D1	27628 R1	27630 D2	27630 R2
SAMPLE DATE	5/2/2002	5/8/2002	5/14/2002	5/14/2002	5/14/2002	5/14/2002
ANALYSIS DATE	5/24/2002	5/30/2002	6/9/2002	6/9/2002	6/9/2002	6/9/2002
FILE NAME	F2EW032	F2E#031	F2FG051	F2FG052	F2FG053	F2FG054
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.93	1.46	1.95	1.97	1.83	1.83
Acetaldehyde	1.27	0.51	0.91	0.89	0.76	0.76
Acetone	1.51	1.34	2.03	2.03	1.78	1.78
Propionaldehyde	0.07	0.05	0.08	0.08	0.07	0.07
Crotonaldehyde	0.01 u	ND	0.01 u	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.14	0.12	0.33	0.36	0.30	0.33
Benzaldehyde	0.02	0.01	0.03	0.02	0.02	0.02
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.02	0.03	0.03	0.02	0.02
Tolualdehydes	0.04	0.02	0.02	0.03	0.02	0.03
Hexaldehyde	0.04	0.02	0.02	0.03	0.03	0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

Custer, South Dakota (CUSD) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	27704	27783	27912	28015	28190	28270
SAMPLE DATE	5/20/2002	5/26/2002	6/1/2002	6/7/2002	6/13/2002	6/19/2002
ANALYSIS DATE	6/8/2002	6/17/2002	6/26/2002	7/10/2002	7/12/2002	7/17/2002
FILE NAME	F2FG025	F2FQ006	F2FZ016	V2GI023	F2GK042	F2GP021
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.28	2.17	4.49	3.42	3.26	3.05
Acetaldehyde	0.50	0.94	0.84	0.82	1.15	1.61
Acetone	1.76	2.26	1.91	1.97	2.73	3.05
Propionaldehyde	0.03	0.07	0.05	0.04	0.06	0.09
Crotonaldehyde	0.01 u	0.005 u	0.005 u	0.005 u	0.04	0.004 u
Butyr/Isobutyraldehyde	0.20	0.15	0.30	0.04	0.05	0.08
Benzaldehyde	0.01	0.03	0.03	0.02	0.03	0.04
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.02	0.03	0.01	0.02	0.03
Tolualdehydes	0.02	0.03	0.04	0.02	0.05	0.03
Hexaldehyde	0.02	0.02	0.02	0.02	0.02	0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	28431 D1	28431 R1	28433 D2	28433 R2	28543	28553
SAMPLE DATE	6/25/2002	6/25/2002	6/25/2002	6/25/2002	7/1/2002	7/7/2002
ANALYSIS DATE	7/11/2002	7/11/2002	7/12/2002	7/12/2002	7/31/2002	7/16/2002
FILE NAME	V2GK018	V2GK019	V2GK020	V2GK021	F2G\$020	V2GP011
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.71	3.71	3.86	3.86	5.52	3.40
Acetaldehyde	1.34	1.33	1.43	1.43	2.83	1.20
Acetone	2.52	2.51	2.61	2.61	3.55	1.46
Propionaldehyde	0.08	0.08	0.09	0.09	0.16	0.07
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u	0.04
Butyr/Isobutyraldehyde	0.07	0.06	0.07	0.07	0.21	0.05 u
Benzaldehyde	0.04	0.04	0.04	0.04	0.03	0.04
Isovaleraldehyde	ND	ND	ND	ND	ND	0.01
Valeraldehyde	0.04	0.03	0.04	0.04	0.06	0.03
Tolualdehydes	0.04	0.03	0.05	0.04	0.05	0.02
Hexaldehyde	0.04	0.04	0.06	0.06	0.07	0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	28768	28807	28879	29080	29173	29232
SAMPLE DATE	7/13/2002	7/19/2002	7/25/2002	7/31/2002	8/6/2002	8/12/2002
ANALYSIS DATE	7/31/2002	8/5/2002	8/6/2002	9/9/2002	9/10/2002	9/5/2002
FILE NAME	F2G\$037	F2HE010	F2HF007	F2II011	F2II036	V2ID033
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	4.01	5.87	2.45	4.81	4.17	2.24
Acetaldehyde	2.03	2.46	0.94	1.94	1.13	0.78
Acetone	3.76	2.22	1.54	2.44	1.69	1.70
Propionaldehyde	0.12	0.18	0.06	0.14	0.07	0.03
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u	0.004 u
Butyr/Isobutyraldehyde	0.20	0.17	0.08	0.15	0.12	0.11
Benzaldehyde	0.04	0.06	0.04	0.07	0.04	0.01
Isovaleraldehyde	ND	ND	0.01	ND	0.003 u	ND
Valeraldehyde	0.04	0.06	0.02	0.05	0.02	0.01
Tolualdehydes	0.02	0.03	0.02	0.06	0.02	0.02
Hexaldehyde	0.05	0.07	0.03	0.04	0.02	0.01
2,5-Dimethylbenzaldehyde	0.02	ND	ND	ND	ND	ND

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SAMPLE #	29359	29531	29656	29774	29875 D1	29875 R1
SAMPLE DATE	8/18/2002	8/24/2002	8/30/2002	9/5/2002	9/11/2002	9/11/2002
ANALYSIS DATE	9/12/2002	9/17/2002	9/19/2002	9/18/2002	10/3/2002	10/3/2002
FILE NAME	F2IK026	F2IP020	V2IR025	F2IR015	F2JB036	F2JB037
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	7.54	2.47	3.22	3.54	1.98	2.00
Acetaldehyde	3.64	0.75	1.54	1.82	0.59	0.58
Acetone	3.94	1.25	2.74	3.31	0.86	0.86
Propionaldehyde	0.37	0.04	0.07	0.11	0.03	0.03
Crotonaldehyde	0.02	0.005 u	0.01 u	0.01 u	ND	ND
Butyr/Isobutyraldehyde	0.33	0.20	0.17	0.43	0.31	0.29
Benzaldehyde	0.06	0.02	0.04	0.05	0.02	0.03
Isovaleraldehyde	ND	ND	0.01	ND	ND	ND
Valeraldehyde	0.08	0.01	0.02	0.03	0.01	0.01
Tolualdehydes	0.11	0.02	0.02	0.04	0.03	0.01
Hexaldehyde	0.09	0.01	0.02	0.03	0.01	0.01
2,5-Dimethylbenzaldehyde	0.00 u	ND	ND	ND	ND	ND

Custer, South Dakota (CUSD) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	29877 D2	29877 R2	29935	30023	30064	30129
SAMPLE DATE	9/11/2002	9/11/2002	9/17/2002	9/23/2002	9/29/2002	10/5/2002
ANALYSIS DATE	10/3/2002	10/3/2002	10/4/2002	10/17/2002	10/24/2002	11/5/2002
FILE NAME	F2JB038	F2JB039	F2JB060	V2JP028	V2JW022	V2KD017
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.87	1.87	2.84	0.03 u	1.91	1.92
Acetaldehyde	0.60	0.60	0.32	0.03	0.60	0.83
Acetone	0.93	0.93	1.03	0.05	1.28	1.62
Propionaldehyde	0.03	0.03	0.01	0.001 u	0.03	0.03
Crotonaldehyde	0.01 u	0.01 u	0.01 u	ND	0.005 u	0.004 u
Butyr/Isobutyraldehyde	0.30	0.30	0.19	0.06 u	0.10	0.08
Benzaldehyde	0.02	0.02	0.01	0.003 u	0.01	0.02
Isovaleraldehyde	ND	0.04	ND	ND	0.00	ND
Valeraldehyde	0.01	0.01	0.01	0.002 u	0.01	0.01
Tolualdehydes	0.02	0.02	0.01	0.01	0.02	0.03
Hexaldehyde	0.01	0.01	0.01	0.004 u	0.01	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	30248	30315	30416 D1	30416 R1	30414 D2	30414 R2
SAMPLE DATE	10/11/2002	10/17/2002	10/23/2002	10/23/2002	10/23/2002	10/23/2002
ANALYSIS DATE	11/13/2002	11/23/2002	11/26/2002	11/26/2002	11/26/2002	11/26/2002
FILE NAME	V2KM013	V2KV022	V2KY026	V2KY027	V2KY028	V2KY029
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.29	2.48	1.67	1.67	1.71	1.72
Acetaldehyde	1.14	1.12	1.39	1.39	1.41	1.41
Acetone	1.94	1.67	1.28	1.28	1.38	1.39
Propionaldehyde	0.07	0.07	0.04	0.04	0.04	0.05
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.11	0.09	0.07 u	0.07 u	0.07 u	0.08
Benzaldehyde	0.02	0.03	0.02	0.02	0.02	0.02
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.02	0.01	0.01	0.01	0.01
Tolualdehydes	0.02	0.03	0.02	0.02	0.03	0.03
Hexaldehyde	0.02	0.03	0.02	0.01	0.02	0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	#30482	#30575	#30650	#30748	#30859	?30888
SAMPLE DATE	10/29/2002	11/4/2002	11/10/2002	11/16/2002	11/22/2002	11/28/2002
ANALYSIS DATE	12/13/2002	12/14/2002	12/20/2002	12/24/2002	12/31/2002	1/9/2003
FILE NAME	V2LL019	V2LN010	V2LT011	V2LW022	V2L\$020	V3AH010
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.40	0.06	1.38	1.94	1.52	1.34
Acetaldehyde	0.54	0.05	0.50	1.00	0.73	0.36
Acetone	1.06	0.14	0.75	1.44	1.18	0.67
Propionaldehyde	ND	0.003 u	0.04	0.08	0.05	0.03
Crotonaldehyde	0.004 u	ND	0.004 u	0.01 u	0.01 u	ND
Butyr/Isobutyraldehyde	0.04 u	0.03 u	0.06 u	0.14	0.12	0.05 u
Benzaldehyde	0.01	0.00 u	0.01	0.03	0.03	0.01
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.00 u	0.01	0.02	0.02	0.01
Tolualdehydes	0.01	0.01	0.01	0.03	0.02	0.01
Hexaldehyde	0.01	0.01	0.01	0.02	0.03	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

Custer, South Dakota (CUSD) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30997	31109	31286	31284	31381
SAMPLE DATE	12/4/2002	12/10/2002	12/16/2002	12/22/2002	12/28/2002
ANALYSIS DATE	1/14/2003	1/14/2003	1/21/2003	1/21/2003	2/4/2003
FILE NAME	V3AM018	V3AM028	V3AU012	V3AU010	V3BC025
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.53	2.20	1.80	1.86	1.76
Acetaldehyde	0.84	0.97	0.69	0.80	0.70
Acetone	0.87	1.18	0.89	0.99	0.91
Propionaldehyde	0.05	0.09	0.05	0.06	0.04
Crotonaldehyde	0.01 u	0.01 u	0.02	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.06 u	0.11	0.10	0.10	0.06 u
Benzaldehyde	0.03	0.04	0.24	0.02	0.02
Isovaleraldehyde	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.02	0.02	0.02	0.01
Tolualdehydes	0.03	0.04	0.02	0.02	0.02
Hexaldehyde	0.01	0.02	0.04	0.01	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND

Custer, South Dakota (CUSD) 2002 UATMP Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2EO044	Meets	F2EU017	Meets	F2E#030	Meets
FB ID	Criteria	26943 FB	Criteria	27062 FB	Criteria	27481 FB	Criteria
Sample date	per	4/14/2002		4/20/2002		5/8/2002	
Date Analyzed	QAPP	5/16/2002	(Y/N)	5/21/2002	(Y/N)	5/30/2002	(Y/N)
Formaldehyde	<0.3	0.041	Y	0.044	Y	0.020	Y
Acetaldehyde	<0.4	0.072	Y	0.121	Y	0.083	Y
Acetone	<0.75	0.206	Y	0.200	Y	0.156	Y
Propionaldehyde		0.009		0.011		0.011	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.277		0.224		0.203	
Benzaldehyde		0.031		0.011		0.024	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.011		0.010		0.009	
Tolualdehydes		0.052		0.051		0.037	
Hexaldehyde		0.023		0.012		0.038	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.402	Y	0.319	Y	0.321	Y

Custer, South Dakota (CUSD) 2002 UATMP Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2FQ005	Meets	F2GK041	Meets	F2GP022	Meets
FB ID	Criteria	27782 FB	Criteria	28189 FB	Criteria	28269 FB	Criteria
Sample date	per	5/26/2002		6/13/2002		6/19/2002	
Date Analyzed	QAPP	6/17/2002	(Y/N)	7/12/2002	(Y/N)	7/17/2002	(Y/N)
Formaldehyde	<0.3	0.040	Y	0.052	Y	0.062	Y
Acetaldehyde	<0.4	0.099	Y	0.145	Y	0.142	Y
Acetone	<0.75	0.212	Y	0.179	Y	0.190	Y
Propionaldehyde		0.011		0.011		0.010	
Crotonaldehyde		ND		ND		0.009	
Butyraldehyde		0.194		0.023		0.017	
Benzaldehyde		0.022		0.046		0.035	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		ND		0.011		0.015	
Tolualdehydes		0.059		0.097		0.044	
Hexaldehyde		0.024		0.043		0.013	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.308	Y	0.230	Y	0.141	Y

Custer, South Dakota (CUSD) 2002 UATMP Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V2GP010	Meets	F2HF006	Meets	V2ID032	Meets
FB ID	Criteria	28552 FB	Criteria	28878 FB	Criteria	29231 FB	Criteria
Sample date	per	7/7/2002		7/25/2002		8/12/2002	
Date Analyzed	QAPP	7/16/2002	(Y/N)	8/6/2002	(Y/N)	9/5/2002	(Y/N)
Formaldehyde	<0.3	0.041	Y	0.027	Y	0.027	Y
Acetaldehyde	<0.4	0.087	Y	0.041	Y	0.084	Y
Acetone	<0.75	0.150	Y	0.441	Y	0.152	Y
Propionaldehyde		0.009		ND		0.007	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.014		0.066		0.161	
Benzaldehyde		0.044		0.015		0.013	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.010		0.011		0.009	
Tolualdehydes		0.060		0.037		0.029	
Hexaldehyde		0.169		0.020		0.018	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.305	Y	0.148	Y	0.236	Y

Custer, South Dakota (CUSD) 2002 UATMP Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V2IR026	Meets	F2IR014	Meets	V2JP027	Meets
FB ID	Criteria	29655 FB	Criteria	29773 FB	Criteria	30022 FB	Criteria
Sample date	per	8/30/2002		9/5/2002		9/23/2002	
Date Analyzed	QAPP	9/19/2002	(Y/N)	9/18/2002	(Y/N)	10/17/2002	(Y/N)
Formaldehyde	<0.3	0.026	Y	0.063	Y	0.045	Y
Acetaldehyde	<0.4	0.108	Y	0.061	Y	0.063	Y
Acetone	<0.75	0.228	Y	0.219	Y	0.152	Y
Propionaldehyde		0.006		0.010		0.016	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.220		0.385		0.194	
Benzaldehyde		0.010		0.015		0.052	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.007		0.009		0.004	
Tolualdehydes		0.038		0.084		0.036	
Hexaldehyde		0.027		0.017		0.109	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.307	Y	0.519	Y	0.410	Y

Custer, South Dakota (CUSD) 2002 UATMP Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V2KM014	Meets	V2LL018	Meets	VOID	Meets
FB ID	Criteria	30247 FB	Criteria	#30481 FB	Criteria	30574 FB	Criteria
Sample date	per	10/11/2002		10/29/2002		11/4/2002	
Date Analyzed	QAPP	11/13/2002	(Y/N)	12/13/2002	(Y/N)	VOID	(Y/N)
Formaldehyde	<0.3	0.039	Y	0.039	Y		Y
Acetaldehyde	<0.4	0.070	Y	0.067	Y		Y
Acetone	<0.75	0.187	Y	0.250	Y		Y
Propionaldehyde		ND		ND			
Crotonaldehyde		ND		ND			
Butyraldehyde		0.023		0.063			
Benzaldehyde		0.024		0.013			
Isovaleraldehyde		ND		ND			
Valeraldehyde		ND		0.003			
Tolualdehydes		0.027		0.027			
Hexaldehyde		0.023		0.022			
2,5-Dimethylbenzaldehyde		ND		ND			
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.097	Y	0.127	Y	0.000	Y

Custer, South Dakota (CUSD) 2002 UATMP Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V2L\$021	Meets	V3AM027	Meets	V3BC026	Meets
FB ID	Criteria	#30858 FB	Criteria	31108 FB	Criteria	31380 FB	Criteria
Sample date	per	11/22/2002		12/10/2002		12/28/2002	
Date Analyzed	QAPP	12/31/2002	(Y/N)	1/14/2003	(Y/N)	2/4/2003	(Y/N)
Formaldehyde	<0.3	0.203	Y	0.079	Y	0.049	Y
Acetaldehyde	<0.4	0.137	Y	0.072	Y	0.071	Y
Acetone	<0.75	0.248	Y	0.221	Y	0.205	Y
Propionaldehyde		0.016		0.008		ND	
Crotonaldehyde		0.010		ND		ND	
Butyraldehyde		0.172		0.085		0.071	
Benzaldehyde		0.023		0.031		0.015	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.012		0.010		0.005	
Tolualdehydes		0.045		0.032		0.033	
Hexaldehyde		0.031		0.028		0.023	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.306	Y	0.193	Y	0.146	Y

Custer, South Dakota (CUSD) 2002 UATMP Carbonyl Annual Data Report

u - Concentration below detection limit

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

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SAMPLE NUMBER	29003 D1	29003 R1	29004 D2	29004 R2	29073	29170 D1
SAMPLE DATE	7/25/2002	7/25/2002	7/25/2002	7/25/2002	7/31/2002	8/6/2002
ANALYSIS DATE	9/24/2002	9/24/2002	9/6/2002	9/6/2002	9/9/2002	9/10/2002
FILE NAME	F2IX008	F2IX009	V2ID068	V2ID069	F2II008	F2II044
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.22	3.18	2.63	2.62	3.28	2.56
Acetaldehyde	1.39	1.49	1.36	1.31	1.23	0.70
Acetone	0.49	0.50	0.30	0.29	0.54	0.31
Propionaldehyde	0.12	0.12	0.12	0.12	0.13	0.07
Crotonaldehyde	ND	ND	0.005 u	0.01 u	0.01 u	ND
Butyr/Isobutyraldehyde	0.38	0.39	0.26	0.21	0.17	0.14
Benzaldehyde	0.03	0.02	0.03	0.03	0.10	0.04
Isovaleraldehyde	ND	ND	ND	ND	0.00 u	0.00 u
Valeraldehyde	0.02	0.01	0.03	0.02	0.03	0.01
Tolualdehydes	0.03	0.03	0.04	0.04	0.05	0.04
Hexaldehyde	0.03	0.03	0.03	0.03	0.03	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below detection limit.

- After extraction sample came to room temperature due to power outage.

Clearwater, Florida (CWFL) 2002 UATMP Carbonyl Annual Data Report

SAMPLE NUMBER	29170 R1	29171 D2	29171 R2	29259	29492 D1	29492 R1
SAMPLE DATE	8/6/2002	8/6/2002	8/6/2002	8/12/2002	8/18/2002	8/18/2002
ANALYSIS DATE	9/10/2002	9/10/2002	9/10/2002	9/11/2002	9/6/2002	9/6/2002
FILE NAME	F2II045	F2II046	F2II047	F2IK015.	V2ID076	V2ID077
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.52	2.33	2.30	0.09	3.36	3.36
Acetaldehyde	0.69	0.64	0.63	0.07	1.06	1.05
Acetone	0.30	0.24	0.24	0.09	0.30	0.30
Propionaldehyde	0.07	0.06	0.06	0.00 u	0.11	0.11
Crotonaldehyde	ND	ND	ND	ND	0.01 u	0.004 u
Butyr/Isobutyraldehyde	0.17	0.11	0.11	0.09 u	0.20	0.19
Benzaldehyde	0.05	0.04	0.04	0.00 u	0.04	0.04
Isovaleraldehyde	0.00 u	0.01	0.00 u	ND	ND	ND
Valeraldehyde	0.01	0.01	0.03	0.00 u	0.02	0.02
Tolualdehydes	0.03	0.03	0.02	0.01	0.04	0.03
Hexaldehyde	0.01	0.02	0.01	0.00 u	0.01	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below detection limit.

- After extraction sample came to room temperature due to power outage.

Clearwater, Florida (CWFL) 2002 UATMP Carbonyl Annual Data Report

SAMPLE NUMBER	29493 D2	29493 R2	29523	29664 D1	29664 R1	29665 D2
SAMPLE DATE	8/18/2002	8/18/2002	8/24/2002	8/30/2002	8/30/2002	8/30/2002
ANALYSIS DATE	9/6/2002	9/6/2002	9/17/2002	9/19/2002	9/19/2002	9/19/2002
FILE NAME	V2ID078	V2ID079	F2IP017	V2IR045	V2IR046	V2IR047
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.35	3.33	4.33	2.56	2.59	2.38
Acetaldehyde	1.06	1.05	1.52	0.98	0.98	0.92
Acetone	0.27	0.28	0.78	0.33	0.34	0.24
Propionaldehyde	0.11	0.11	0.11	0.09	0.09	0.09
Crotonaldehyde	0.01 u	0.005 u	0.01 u	ND	ND	0.01 u
Butyr/Isobutyraldehyde	0.18	0.17	0.28	0.18	0.18	0.15
Benzaldehyde	0.04	0.04	0.09	0.04	0.03	0.03
Isovaleraldehyde	ND	ND	ND	0.01	0.00	ND
Valeraldehyde	0.02	0.02	0.02	0.01	0.02	0.01
Tolualdehydes	0.03	0.03	0.06	0.02	0.03	0.03
Hexaldehyde	0.02	0.02	0.02	0.01	0.02	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below detection limit.

- After extraction sample came to room temperature due to power outage.

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SAMPLE NUMBER	29665 R2	29783	29869 D1	29869 R1	29870 D2	29870 R2
SAMPLE DATE	8/30/2002	9/5/2002	9/11/2002	9/11/2002	9/11/2002	9/11/2002
ANALYSIS DATE	9/19/2002	9/25/2002	9/25/2002	9/25/2002	9/25/2002	9/25/2002
FILE NAME	V2IR048	F2IX029	F2IX045	F2IX046	F2IX043	F2IX044
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.40	2.30	2.15	2.13	2.08	2.11
Acetaldehyde	0.91	0.76	0.69	0.68	0.67	0.66
Acetone	0.24	0.34	0.19	0.21	0.19	0.19
Propionaldehyde	0.10	0.07	0.06	0.08	0.08	0.08
Crotonaldehyde	0.005 u	0.01 u	0.01 u	0.01 u	ND	0.004 u
Butyr/Isobutyraldehyde	0.15	0.46	0.43	0.43	0.38	0.40
Benzaldehyde	0.03	0.04	0.06	0.06	0.06	0.05
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.01	0.01	0.02	0.02	0.01
Tolualdehydes	0.03	0.03	0.04	0.04	0.04	0.03
Hexaldehyde	0.01	0.01	0.01	0.01	0.01	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below detection limit.

- After extraction sample came to room temperature due to power outage.

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SAMPLE NUMBER	29933	30016 D1	30016 R1	30017 D2	30017 R2	30110
SAMPLE DATE	9/17/2002	9/23/2002	9/23/2002	9/23/2002	9/23/2002	9/29/2002
ANALYSIS DATE	10/15/2002	10/17/2002	10/17/2002	10/17/2002	10/17/2002	10/24/2002
FILE NAME	V2JN019	V2JP017	V2JP018	V2JP019	V2JP020	V2JX012
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	4.59	2.86	2.92	2.75	2.75	4.11
Acetaldehyde	1.50	0.88	0.90	0.82	0.82	1.28
Acetone	0.54	0.28	0.29	0.23	0.23	0.33
Propionaldehyde	0.14	0.12	0.12	0.11	0.11	0.11
Crotonaldehyde	ND	0.01 u	0.01 u	0.01 u	0.01 u	ND
Butyr/Isobutyraldehyde	0.37	0.18	0.19	0.16	0.15	0.15
Benzaldehyde	0.07	0.04	0.05	0.04	0.04	0.04
Isovaleraldehyde	ND	0.01	0.01	0.01	0.01	ND
Valeraldehyde	0.04	0.02	0.02	0.02	0.02	0.02
Tolualdehydes	0.03	0.03	0.03	0.03	0.03	0.04
Hexaldehyde	0.03	0.02	0.02	0.01	0.02	0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below detection limit.

- After extraction sample came to room temperature due to power outage.

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SAMPLE NUMBER	30182 D1	30182 R1	30183 D2	30183 R2	30305	30309 D1
SAMPLE DATE	10/5/2002	10/5/2002	10/5/2002	10/5/2002	10/11/2002	10/17/2002
ANALYSIS DATE	11/5/2002	11/5/2002	11/5/2002	11/5/2002	11/23/2002	11/23/2002
FILE NAME	V2KD025	V2KD026	V2KD027	V2KD028	V2KV017	V2KV023
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.77	3.78	3.71	3.74	2.80	2.83
Acetaldehyde	1.28	1.28	1.22	1.22	1.14	1.32
Acetone	0.47	0.48	0.48	0.49	0.47	1.06
Propionaldehyde	0.12	0.12	0.12	0.12	0.13	0.09
Crotonaldehyde	0.01 u	0.01 u	ND	ND	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.15	0.15	0.15	0.11	0.16	0.12
Benzaldehyde	0.05	0.05	0.05	0.05	0.04	0.04
Isovaleraldehyde	ND	ND	ND	ND	0.01	ND
Valeraldehyde	0.02	0.02	0.02	0.02	0.02	0.01
Tolualdehydes	0.03	0.04	0.03	0.03	0.04	0.04
Hexaldehyde	0.02	0.02	0.02	0.02	0.03	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below detection limit.

- After extraction sample came to room temperature due to power outage.

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SAMPLE NUMBER	30309 R1	30310 D2	30310 R2	30404	#30477 D1	#30477 R1
SAMPLE DATE	10/17/2002	10/17/2002	10/17/2002	10/23/2002	10/29/2002	10/29/2002
ANALYSIS DATE	11/23/2002	11/23/2002	11/23/2002	12/2/2002	12/13/2002	12/13/2002
FILE NAME	V2KV024	V2KV025	V2KV026	V2LB005	V2LL037	V2LL038
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.84	2.89	2.89	3.39	2.29	2.30
Acetaldehyde	1.32	1.21	1.22	1.17	0.66	0.67
Acetone	1.07	0.84	0.84	0.37	0.27	0.27
Propionaldehyde	0.09	0.09	0.09	0.12	0.07	0.07
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u	0.004 u
Butyr/Isobutyraldehyde	0.12	0.11	0.11	0.10 u	0.10	0.10
Benzaldehyde	0.04	0.04	0.04	0.04	0.04	0.05
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.01	0.01	0.01	0.01	0.01
Tolualdehydes	0.04	0.04	0.03	0.03	0.02	0.02
Hexaldehyde	0.05	0.03	0.02	0.02	0.01	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below detection limit.

- After extraction sample came to room temperature due to power outage.

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SAMPLE NUMBER	#30478 D2	#30478 R2	#30572	#30654 D1	#30654 R1	#30655 D2
SAMPLE DATE	10/29/2002	10/29/2002	11/4/2002	11/10/2020	11/10/2020	11/10/2002
ANALYSIS DATE	12/13/2002	12/13/2002	12/14/2002	12/22/2002	12/22/2002	12/22/2002
FILE NAME	V2LL035	V2LL036	V2LN009	V2LT064	V2LT065	V2LT066
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.24	2.25	3.49	2.82	2.80	2.83
Acetaldehyde	0.64	0.64	1.40	1.11	1.11	1.10
Acetone	0.23	0.23	1.13	0.34	0.34	0.36
Propionaldehyde	0.08	0.08	0.16	0.13	0.13	0.12
Crotonaldehyde	ND	ND	0.01 u	0.005 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.09 u	0.09 u	0.11	0.16	0.16	0.17
Benzaldehyde	0.04	0.05	0.10	0.05	0.05	0.05
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.01	0.02	0.02	0.02	0.02
Tolualdehydes	0.03	0.02	0.03	0.03	0.03	0.03
Hexaldehyde	0.01	0.02	0.03	0.03	0.02	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below detection limit.

- After extraction sample came to room temperature due to power outage.

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SAMPLE NUMBER	#30655 R2	#30758	#30831 D1	#30831 R1	#30832 D2	#30832 R2
SAMPLE DATE	11/10/2002	11/16/2002	11/22/2002	11/22/2002	11/22/2002	11/22/2002
ANALYSIS DATE	12/22/2002	12/21/2002	12/31/2002	12/31/2002	12/31/2002	12/31/2002
FILE NAME	V2LT067	V2LT038	V2L\$029	V2L\$030	V2L\$027	V2L\$028
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.85	1.49	2.47	2.48	2.49	2.58
Acetaldehyde	1.10	0.82	1.03	1.03	0.97	0.97
Acetone	0.36	0.67	0.85	0.85	0.66	0.66
Propionaldehyde	0.11	0.06	0.04	0.04	0.04	0.04
Crotonaldehyde	0.01 u	0.005 u	0.004 u	0.004 u	0.004 u	0.004 u
Butyr/Isobutyraldehyde	0.17	0.13	0.15	0.15	0.11	0.12
Benzaldehyde	0.05	0.03	0.03	0.03	0.03	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.01	0.01	0.01	0.004 u	0.004
Tolualdehydes	0.04	0.03	0.03	0.02	0.02	0.02
Hexaldehyde	0.02	0.02	0.02	0.02	0.01	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below detection limit.

- After extraction sample came to room temperature due to power outage.

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SAMPLE NUMBER	30924	31045 D1	31045 R1	31046 D2	31046 R2	31119
SAMPLE DATE	11/28/2002	12/4/2002	12/4/2002	12/4/2002	12/4/2002	12/10/2002
ANALYSIS DATE	1/9/2003	1/14/2003	1/14/2003	1/14/2003	1/14/2003	1/21/2003
FILE NAME	V3AH041	V3AM031	V3AM032	V3AM033	V3AM034	V3AT019
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.07	3.26	3.29	3.22	3.22	1.88
Acetaldehyde	1.26	1.41	1.41	1.34	1.34	0.84
Acetone	0.94	0.46	0.46	0.43	0.40	0.31
Propionaldehyde	0.08	0.12	0.11	0.12	0.10	0.05
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.12	0.10	0.10	0.10	0.11	0.11
Benzaldehyde	0.03	0.04	0.04	0.04	0.04	0.04
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.01	0.02	0.01	0.01	0.01
Tolualdehydes	0.03	0.05	0.05	0.05	0.05	0.02
Hexaldehyde	0.02	0.02	0.02	0.02	0.04	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below detection limit.

- After extraction sample came to room temperature due to power outage.

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SAMPLE NUMBER	31266 D1	31266 R1	31267 D2	31267 R2	31330	31398 D1
SAMPLE DATE	12/16/2002	12/16/2002	12/16/2002	12/16/2002	12/22/2002	12/28/2002
ANALYSIS DATE	1/21/2003	1/21/2003	1/21/2003	1/21/2003	2/2/2003	2/4/2003
FILE NAME	V3AT026	V3AT027	V3AT028	V3AT029	V3BB015	V3BC029
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.66	1.66	1.56	1.56	2.01	1.84
Acetaldehyde	1.05	1.05	1.00	1.00	1.50	1.42
Acetone	1.87	1.87	1.44	1.44	1.46	1.86
Propionaldehyde	0.08	0.08	0.08	0.08	0.14	0.12
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.17	0.17	0.15	0.15	0.17	0.18
Benzaldehyde	0.03	0.03	0.03	0.03	0.03	0.04
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.02	0.02	0.02	0.04	0.03
Tolualdehydes	0.04	0.05	0.04	0.04	0.03	0.05
Hexaldehyde	0.03	0.04	0.03	0.04	0.05	0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below detection limit.

- After extraction sample came to room temperature due to power outage.

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SAMPLE NUMBER	31398 R1	31399 D2	31399 R2
SAMPLE DATE	12/28/2002	12/28/2002	12/28/2002
ANALYSIS DATE	2/4/2003	2/4/2003	2/4/2003
FILE NAME	V3BC030	V3BC031	V3BC032
UNITS	ppbv	ppbv	ppbv
Formaldehyde	1.82	1.78	1.78
Acetaldehyde	1.42	1.38	1.38
Acetone	1.88	1.74	1.72
Propionaldehyde	0.12	0.12	0.12
Crotonaldehyde	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.18	0.18	0.18
Benzaldehyde	0.03	0.03	0.03
Isovaleraldehyde	ND	ND	ND
Valeraldehyde	0.03	0.03	0.03
Tolualdehydes	0.05	0.05	0.04
Hexaldehyde	0.04	0.03	0.04
2,5-Dimethylbenzaldehyde	ND	ND	ND

u - Concentration is below detection limit.

- After extraction sample came to room temperature due to power outage.

Clearwater, Florida (CWFL) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V2ID029	Meets	F2IK014	Meets	V2IR035	Meets
FB ID	Criteria	29002 FB	Criteria	29258 FB	Criteria	29663 FB	Criteria
Sample date	per	7/25/2002		8/12/2002		8/30/2002	
Date Analyzed	QAPP	9/5/2002	(Y/N)	9/11/2002	(Y/N)	9/19/2002	(Y/N)
Formaldehyde	<0.3	0.093	Y	0.140	Y	0.085	Y
Acetaldehyde	<0.4	0.207	Y	0.075	Y	0.058	Y
Acetone	<0.75	0.326	Y	0.178	Y	0.285	Y
Propionaldehyde		0.009		0.007		0.005	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.438		0.218		0.221	
Benzaldehyde		0.018		0.011		0.012	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.007		0.010		0.005	
Tolualdehydes		0.037		0.047		0.037	
Hexaldehyde		0.030		0.016		0.015	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.536	Y	0.306	Y	0.295	Y

Clearwater, Florida (CWFL) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2IX030	Meets	V2JP014	Meets	V2KV018	Meets
FB ID	Criteria	29782 FB	Criteria	30015 FB	Criteria	30306 FB	Criteria
Sample date	per	9/5/2002		9/23/2002		10/11/2002	
Date Analyzed	QAPP	9/25/2002	(Y/N)	10/16/2002	(Y/N)	37583	(Y/N)
Formaldehyde	<0.3	0.080	Y	0.033	Y	0.05	Y
Acetaldehyde	<0.4	0.098	Y	0.092	Y	0.12	Y
Acetone	<0.75	0.321	Y	0.246	Y	0.23	Y
Propionaldehyde		ND		0.007		ND	
Crotonaldehyde		ND		ND		0.08	
Butyraldehyde		0.496		0.222		0.01	
Benzaldehyde		0.015		0.007		ND	
Isovaleraldehyde		ND		ND		0.01	
Valeraldehyde		0.003		0.005		0.05	
Tolualdehydes		0.036		0.042		0.02	
Hexaldehyde		0.015		0.020		ND	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.564	Y	0.301	Y	0.17	Y

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(µg/cartridge)

Data File ID	Acceptance	#V2LL034	Meets	#V2LN008	Meets	V3AH040	Meets
FB ID	Criteria	30479 FB	Criteria	30571 FB	Criteria	30923 FB	Criteria
Sample date	per	10/29/2002		11/4/2002		11/28/2002	
Date Analyzed	QAPP	12/13/2002	(Y/N)	12/14/2002	(Y/N)	1/9/2003	(Y/N)
Formaldehyde	<0.3	0.03	Y	0.03	Y	0.03	Y
Acetaldehyde	<0.4	0.05	Y	0.06	Y	0.06	Y
Acetone	<0.75	0.20	Y	0.17	Y	0.18	Y
Propionaldehyde		ND		0.01		0.005	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.07		0.06		0.15	
Benzaldehyde		0.03		0.01		0.01	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.005		0.01		0.01	
Tolualdehydes		0.05		0.04		0.03	
Hexaldehyde		0.03		0.01		0.05	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.19	Y	0.14	Y	0.25	Y

Clearwater, Florida (CWFL) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V3AT020	Meets	V3BC007	Meets
FB ID	Criteria	31118 FB	Criteria	31397 FB	Criteria
Sample date	per	12/10/2002		12/28/2002	
Date Analyzed	QAPP	1/21/2003	(Y/N)	2/3/2003	(Y/N)
Formaldehyde	<0.3	0.09	Y	0.06	Y
Acetaldehyde	<0.4	0.08	Y	0.07	Y
Acetone	<0.75	0.25	Y	0.22	Y
Propionaldehyde		0.01		0.01	
Crotonaldehyde		ND		ND	
Butyraldehyde		0.17		0.09	
Benzaldehyde		0.02		0.02	
Isovaleraldehyde		ND		ND	
Valeraldehyde		0.01		0.01	
Tolualdehydes		0.02		0.03	
Hexaldehyde		0.02		0.03	
2,5-Dimethylbenzaldehyde		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.24	Y	0.18	Y

Davenport, Iowa (DAIA) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	25104	25250	25530	25821	26050 D1	26050 R1
SAMPLE DATE	1/8/2002	1/20/2002	2/1/2002	2/13/2002	2/25/2002	2/25/2002
ANALYSIS DATE	1/26/2002	3/4/2002	3/13/2002	3/22/2002	4/13/2002	4/13/2002
FILE NAME	F2AY018	F2CE009	F2CL031	F2CT026	F2DL051	F2DL052
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.21	0.76	0.76	0.63	0.54	0.54
Acetaldehyde	1.04	0.50	0.44	0.42	0.25	0.25
Acetone	1.19	0.98	0.66	0.65	0.55	0.54
Propionaldehyde	0.10	0.05	0.04	0.04	0.02	0.02
Crotonaldehyde	0.01 u	0.01	0.01 u	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.10	0.11	0.11	0.08	0.06	0.06
Benzaldehyde	0.02	0.02	0.03	0.02	0.01	0.01
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.01	0.01	0.03	0.01	0.01
Tolualdehydes	0.02	0.02	0.02	0.02	0.02	0.02
Hexaldehyde	0.03	0.02	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.01	0.02	0.004	ND	ND	ND

u - Concentration below detection limit

- See last page for explanation.

? - See last page for explanation.

Davenport, Iowa (DAIA) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	26052 D2	26052 R2	26228	26443	26639	26858
SAMPLE DATE	2/25/2002	2/25/2002	3/9/2002	3/21/2002	4/2/2002	4/14/2002
ANALYSIS DATE	4/13/2002	4/13/2002	4/12/2002	4/26/2002	5/13/2002	5/15/2002
FILE NAME	F2DL053	F2DL054	F2DL018	F2DZ013	F2EM012	F2EO017
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.38	0.38	0.51	0.40	0.59	1.66
Acetaldehyde	0.26	0.25	0.32	0.26	0.45	0.78
Acetone	0.53	0.53	0.80	0.89	1.20	1.00
Propionaldehyde	0.02	0.02	0.06	0.02	0.03	0.03
Crotonaldehyde	0.004 u	0.004 u	0.01 u	ND	0.01	0.007 u
Butyr/Isobutyraldehyde	0.06	0.06	0.07	0.16	0.08	0.17
Benzaldehyde	0.01	0.01	0.01	0.01	0.01	0.03
Isovaleraldehyde	ND	0.01	ND	ND	ND	ND
Valeraldehyde	0.01	ND	0.01	0.01	0.01	0.01
Tolualdehydes	0.02	0.02	0.02	0.02	0.03	0.04
Hexaldehyde	0.01	0.01	0.08	0.01	0.03	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit

- See last page for explanation.

? - See last page for explanation.

Davenport, Iowa (DAIA) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	27102	27452	27671	27830	28126	28387 D1
SAMPLE DATE	4/26/2002	5/8/2002	5/20/2002	6/1/2002	6/13/2002	6/25/2002
ANALYSIS DATE	5/22/2002	6/4/2002	6/8/2002	6/20/2002	7/11/2002	VOID
FILE NAME	F2EU026	F2FC017	F2FG018	F2FT005	F2GK019	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.01	1.33	0.91	3.36	1.46	
Acetaldehyde	0.58	0.57	0.57	1.50	0.63	
Acetone	1.24	0.41	1.20	1.07	0.68	
Propionaldehyde	0.04	ND	0.05	ND	0.02	
Crotonaldehyde	0.01	0.00 u	0.01 u	0.02	ND	
Butyr/Isobutyraldehyde	0.13	0.14	0.16	0.12	0.03 u	
Benzaldehyde	0.03	0.03	0.02	0.06	0.04	
Isovaleraldehyde	ND	ND	ND	ND	ND	
Valeraldehyde	0.01	0.01	0.02	0.05	0.01	
Tolualdehydes	0.02	0.04	0.06	0.11	0.04	
Hexaldehyde	0.03	ND	0.04	ND	ND	
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	

u - Concentration below detection limit

- See last page for explanation.

? - See last page for explanation.

Davenport, Iowa (DAIA) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	28389 D2	28607	28809	28935 D1	28935 R1	28937 D2
SAMPLE DATE	6/25/2002	7/7/2002	7/19/2002	7/25/2002	7/25/2002	7/25/2002
ANALYSIS DATE	VOID	VOID	8/5/2002	8/7/2002	8/7/2002	8/7/2002
FILE NAME	VOID	VOID	F2HE011	F2HF023	F2HF024	F2HF025
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde			1.95	2.93	2.93	3.62
Acetaldehyde			1.03	0.80	0.78	0.52
Acetone			1.20	0.61	0.61	0.30
Propionaldehyde			ND	0.02	0.02	0.02
Crotonaldehyde			0.02	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde			0.20	0.05 u	0.05 u	0.54
Benzaldehyde			0.07	0.04	0.04	0.12
Isovaleraldehyde			ND	ND	ND	ND
Valeraldehyde			0.03	0.01	0.01	0.01
Tolualdehydes			0.08	ND	0.08	0.06
Hexaldehyde			0.07	0.01 u	0.01	0.02
2,5-Dimethylbenzaldehyde			ND	ND	ND	ND

u - Concentration below detection limit

- See last page for explanation.

? - See last page for explanation.

Davenport, Iowa (DAIA) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	28937 R2	29047	29162	29313	29476	29742
SAMPLE DATE	7/25/2002	7/31/2002	8/6/2002	8/12/2002	8/24/2002	9/5/2002
ANALYSIS DATE	8/7/2002	9/5/2002	9/10/2002	9/12/2002	9/17/2002	VOID
FILE NAME	F2HF026	F2IE013	F2II020	F2IK020	F2IP028	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.70	3.57	1.43	1.76	1.43	
Acetaldehyde	0.53	0.86	0.44	0.93	0.68	
Acetone	0.30	0.53	0.65	1.00	0.61	
Propionaldehyde	0.01 u	0.04	0.02	0.07	0.02	
Crotonaldehyde	0.01 u	0.03	0.01 u	0.01 u	0.01 u	
Butyr/Isobutyraldehyde	0.53	0.15	0.10	0.19	0.21	
Benzaldehyde	0.12	0.11	0.04	0.04	0.04	
Isovaleraldehyde	ND	ND	ND	0.004	ND	
Valeraldehyde	0.01	0.16	0.01	0.02	0.02	
Tolualdehydes	0.05	0.11	ND	0.03	0.04	
Hexaldehyde	0.01 u	0.02	0.01	0.04	0.01	
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	0.01	

u - Concentration below detection limit

- See last page for explanation.

? - See last page for explanation.

Davenport, Iowa (DAIA) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30540	30721 D1	30723 D2	30906	31089	31317
SAMPLE DATE	11/4/2002	11/16/2002	11/16/2002	11/28/2002	12/10/2002	12/22/2002
ANALYSIS DATE	12/15/2002	12/24/2002	VOID	1/9/2003	1/16/2003	2/2/2003
FILE NAME	#V2LN024	#V2LW037	VOID	?V3AH020	V3AP007	V3BB014
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.99	0.60		1.07	1.71	0.55
Acetaldehyde	1.02	0.58		0.94	1.35	0.49
Acetone	1.51	0.83		1.31	1.59	0.95
Propionaldehyde	0.07	0.05		0.07	0.11	0.05
Crotonaldehyde	0.01 u	0.01 u		0.01 u	0.02	0.01 u
Butyr/Isobutyraldehyde	0.14	0.11		0.17	0.18	0.13
Benzaldehyde	0.04	0.02		0.05	0.50	0.02
Isovaleraldehyde	ND	ND		ND	ND	ND
Valeraldehyde	0.02	0.01		0.02	0.03	0.01
Tolualdehydes	0.03	0.02		0.03	0.04	0.03
Hexaldehyde	0.02	0.05		0.04	0.04	0.03
2,5-Dimethylbenzaldehyde	ND	ND		ND	ND	ND

u - Concentration below detection limit

- See last page for explanation.

? - See last page for explanation.

Davenport, Iowa (DAIA) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	25104	25250	25530	25821	26050 D1	26050 R1
SAMPLE DATE	1/8/2002	1/20/2002	2/1/2002	2/13/2002	2/25/2002	2/25/2002
ANALYSIS DATE	1/26/2002	3/4/2002	3/13/2002	3/22/2002	4/13/2002	4/13/2002
FILE NAME	F2AY018	F2CE009	F2CL031	F2CT026	F2DL051	F2DL052
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	1.49	0.94	0.94	0.77	0.66	0.66
Acetaldehyde	1.88	0.91	0.79	0.76	0.46	0.45
Acetone	2.82	2.34	1.58	1.56	1.32	1.29
Propionaldehyde	0.25	0.12	0.09	0.10	0.06	0.05
Crotonaldehyde	0.03 u	0.03	0.02 u	0.02 u	0.02 u	0.02 u
Butyr/Isobutyraldehyde	0.30	0.33	0.33	0.24	0.18	0.19
Benzaldehyde	0.08	0.09	0.12	0.07	0.06	0.06
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.07	0.04	0.05	0.10	0.03	0.03
Tolualdehydes	0.11	0.10	0.08	0.12	0.10	0.11
Hexaldehyde	0.12	0.10	0.09	0.07	0.09	0.08
2,5-Dimethylbenzaldehyde	0.03	0.09	0.02	ND	ND	ND

u - Concentration below detection limit

- See last page for explanation.

? - See last page for explanation.

Davenport, Iowa (DAIA) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	26052 D2	26052 R2	26228	26443	26639	26858
SAMPLE DATE	2/25/2002	2/25/2002	3/9/2002	3/21/2002	4/2/2002	4/14/2002
ANALYSIS DATE	4/13/2002	4/13/2002	4/12/2002	4/26/2002	5/13/2002	5/15/2002
FILE NAME	F2DL053	F2DL054	F2DL018	F2DZ013	F2EM012	F2EO017
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	0.46	0.46	0.63	0.50	0.73	2.04
Acetaldehyde	0.46	0.46	0.57	0.47	0.81	1.40
Acetone	1.25	1.26	1.89	2.11	2.85	2.39
Propionaldehyde	0.05	0.06	0.15	0.04	0.07	0.07
Crotonaldehyde	0.01 u	0.01 u	0.02 u	ND	0.04	0.02 u
Butyr/Isobutyraldehyde	0.18	0.18	0.19	0.48	0.25	0.50
Benzaldehyde	0.05	0.05	0.06	0.05	0.06	0.14
Isovaleraldehyde	ND	0.03	ND	ND	ND	ND
Valeraldehyde	0.03	ND	0.04	0.02	0.02	0.04
Tolualdehydes	0.08	0.09	0.08	0.08	0.13	0.18
Hexaldehyde	0.03	0.03	0.32	0.04	0.11	0.08
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit

- See last page for explanation.

? - See last page for explanation.

Davenport, Iowa (DAIA) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	27102	27452	27671	27830	28126	28387 D1
SAMPLE DATE	4/26/2002	5/8/2002	5/20/2002	6/1/2002	6/13/2002	6/25/2002
ANALYSIS DATE	5/22/2002	6/4/2002	6/8/2002	6/20/2002	7/11/2002	VOID
FILE NAME	F2EU026	F2FC017	F2FG018	F2FT005	F2GK019	VOID
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	1.25	1.63	1.12	4.15	1.81	
Acetaldehyde	1.04	1.04	1.04	2.71	1.13	
Acetone	2.95	0.97	2.86	2.54	1.62	
Propionaldehyde	0.10	ND	0.12	ND	0.04	
Crotonaldehyde	0.03	0.01 u	0.02 u	0.06	ND	
Butyr/Isobutyraldehyde	0.38	0.42	0.49	0.37	0.08 u	
Benzaldehyde	0.12	0.13	0.11	0.28	0.18	
Isovaleraldehyde	ND	ND	ND	ND	ND	
Valeraldehyde	0.05	0.05	0.06	0.17	0.04	
Tolualdehydes	0.09	0.20	0.32	0.56	0.20	
Hexaldehyde	0.14	ND	0.17	ND	ND	
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	

u - Concentration below detection limit

- See last page for explanation.

? - See last page for explanation.

Davenport, Iowa (DAIA) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	28389 D2	28607	28809	28935 D1	28935 R1	28937 D2
SAMPLE DATE	6/25/2002	7/7/2002	7/19/2002	7/25/2002	7/25/2002	7/25/2002
ANALYSIS DATE	VOID	VOID	8/5/2002	8/7/2002	8/7/2002	8/7/2002
FILE NAME	VOID	VOID	F2HE011	F2HF023	F2HF024	F2HF025
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde			2.40	3.61	3.61	4.47
Acetaldehyde			1.86	1.44	1.41	0.94
Acetone			2.85	1.45	1.44	0.72
Propionaldehyde			ND	0.05	0.05	0.04
Crotonaldehyde			0.07	0.02 u	0.02 u	0.03 u
Butyr/Isobutyraldehyde			0.59	0.15 u	0.15 u	1.60
Benzaldehyde			0.32	0.17	0.18	0.53
Isovaleraldehyde			ND	ND	ND	ND
Valeraldehyde			0.12	0.04	0.04	0.04
Tolualdehydes			0.39	ND	0.38	0.29
Hexaldehyde			0.27	0.02 u	0.06	0.09
2,5-Dimethylbenzaldehyde			ND	ND	ND	ND

u - Concentration below detection limit

- See last page for explanation.

? - See last page for explanation.

Davenport, Iowa (DAIA) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	28937 R2	29047	29162	29313	29476	29742
SAMPLE DATE	7/25/2002	7/31/2002	8/6/2002	8/12/2002	8/24/2002	9/5/2002
ANALYSIS DATE	8/7/2002	9/5/2002	9/10/2002	9/12/2002	9/17/2002	VOID
FILE NAME	F2HF026	F2IE013	F2II020	F2IK020	F2IP028	VOID
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	4.56	4.40	1.76	2.17	1.77	
Acetaldehyde	0.96	1.56	0.80	1.68	1.23	
Acetone	0.70	1.26	1.54	2.38	1.44	
Propionaldehyde	0.03 u	0.09	0.05	0.17	0.05	
Crotonaldehyde	0.04 u	0.09	0.02 u	0.02 u	0.03 u	
Butyr/Isobutyraldehyde	1.58	0.46	0.28	0.57	0.63	
Benzaldehyde	0.51	0.48	0.16	0.16	0.18	
Isovaleraldehyde	ND	ND	ND	0.016	ND	
Valeraldehyde	0.02	0.57	0.05	0.08	0.06	
Tolualdehydes	0.25	0.55	ND	0.16	0.20	
Hexaldehyde	0.03 u	0.07	0.03	0.15	0.04	
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	0.06	

u - Concentration below detection limit

- See last page for explanation.

? - See last page for explanation.

Davenport, Iowa (DAIA) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30540	30721 D1	30723 D2	30906	31089	31317
SAMPLE DATE	11/4/2002	11/16/2002	11/16/2002	11/28/2002	12/10/2002	12/22/2002
ANALYSIS DATE	12/15/2002	12/24/2002	VOID	1/9/2003	1/16/2003	2/2/2003
FILE NAME	#V2LN024	#V2LW037	VOID	?V3AH020	V3AP007	V3BB014
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	1.22	0.74		1.32	2.11	0.68
Acetaldehyde	1.85	1.05		1.69	2.43	0.88
Acetone	3.60	1.98		3.12	3.80	2.25
Propionaldehyde	0.16	0.13		0.17	0.27	0.12
Crotonaldehyde	0.04 u	0.02 u		0.03 u	0.07	0.02 u
Butyr/Isobutyraldehyde	0.40	0.33		0.49	0.54	0.39
Benzaldehyde	0.17	0.07		0.23	2.16	0.08
Isovaleraldehyde	ND	ND		ND	ND	ND
Valeraldehyde	0.08	0.05		0.08	0.12	0.04
Tolualdehydes	0.17	0.11		0.17	0.22	0.14
Hexaldehyde	0.10	0.20		0.17	0.18	0.13
2,5-Dimethylbenzaldehyde	ND	ND		ND	ND	ND

u - Concentration below detection limit

- See last page for explanation.

? - See last page for explanation.

Davenport, Iowa (DAIA) 2002 UATMP Carbonyl Annual Data Report

(µg/cartridge)

Data File ID	Acceptance Criteria	F2CE008	Meets Criteria	F2CL030	Meets Criteria	F2DL017	Meets Criteria
FB ID		25249		25529		26227	
Sample date	per	1/20/2002		2/1/2002		3/9/2002	
Date Analyzed	QAPP	3/4/2002	(Y/N)	3/13/2002	(Y/N)	4/12/2002	(Y/N)
Formaldehyde	<0.3	0.04	Y	0.04	Y	0.05	Y
Acetaldehyde	<0.4	0.04	Y	0.04	Y	0.05	Y
Acetone	<0.75	0.19	Y	0.18	Y	0.24	Y
Propionaldehyde		ND		ND		ND	
Crotonaldehyde		ND		0.01		ND	
Butyraldehyde		0.09		0.15		0.04	
Benzaldehyde		0.02		0.02		0.02	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		ND		0.01		ND	
Tolualdehydes		0.04		0.02		0.05	
Hexaldehyde		0.02		0.07		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.168	Y	0.279	Y	0.136	Y

Davenport, Iowa (DAIA) 2002 UATMP Carbonyl Annual Data Report

(ug/cartridge)

Data File ID	Acceptance	F2EO016	Meets	F2FC016	Meets	F2GK018	Meets
FB ID	Criteria	26857 FB	Criteria	27451 FB	Criteria	28125 FB	Criteria
Sample date	per	4/14/2002		5/8/2002		6/13/2002	
Date Analyzed	QAPP	5/15/2002	(Y/N)	6/4/2002	(Y/N)	7/11/2002	(Y/N)
Formaldehyde	<0.3	0.04	Y	0.04	Y	0.05	Y
Acetaldehyde	<0.4	0.09	Y	0.10	Y	0.06	Y
Acetone	<0.75	0.21	Y	0.18	Y	0.17	Y
Propionaldehyde		0.01		0.01		0.01	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.24		0.33		0.01	
Benzaldehyde		0.02		0.02		ND	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.01	
Tolualdehydes		0.05		0.04		0.10	
Hexaldehyde		0.02		0.03		0.03	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.355	Y	0.443	Y	0.151	Y

Davenport, Iowa (DAIA) 2002 UATMP Carbonyl Annual Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	VOID 28606 7/7/2002 VOID	Meets Criteria (Y/N)	F2IK021 29312 FB 8/12/2002 9/12/2002	Meets Criteria (Y/N)	VOID 29741 9/5/2002 VOID	Meets Criteria (Y/N)
Formaldehyde	<0.3		Y	0.06	Y		Y
Acetaldehyde	<0.4		Y	0.13	Y		Y
Acetone	<0.75		Y	0.16	Y		Y
Propionaldehyde				0.01			
Crotonaldehyde				ND			
Butyraldehyde				0.24			
Benzaldehyde				0.02			
Isovaleraldehyde				ND			
Valeraldehyde				0.01			
Tolualdehydes				0.05			
Hexaldehyde				0.02			
2,5-Dimethylbenzaldehyde				ND			
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.000	Y	0.343	Y	0.000	Y

Davenport, Iowa (DAIA) 2002 UATMP Carbonyl Annual Data Report

(µg/cartridge)

Data File ID	Acceptance	#V2LN023	Meets	#V2LW036	Meets	V3AP008	Meets
FB ID	Criteria	30539 FB	Criteria	30720 FB	Criteria	31088 FB	Criteria
Sample date	per	11/4/2002		11/16/2002		12/10/2002	
Date Analyzed	QAPP	12/15/2002	(Y/N)	12/24/2002	(Y/N)	1/16/2003	(Y/N)
Formaldehyde	<0.3	0.04	Y	0.06	Y	0.03	Y
Acetaldehyde	<0.4	0.08	Y	0.06	Y	0.05	Y
Acetone	<0.75	0.24	Y	0.22	Y	0.22	Y
Propionaldehyde		ND		ND		0.01	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.05		0.12		0.16	
Benzaldehyde		0.01		0.02		0.02	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.01		ND		0.01	
Tolualdehydes		0.02		0.02		0.02	
Hexaldehyde		0.02		0.02		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.106	Y	0.183	Y	0.229	Y

Davenport, Iowa (DAIA) 2002 UATMP Carbonyl Annual Data Report

u - Concentration below detection limit

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

% - Sample extracted out of hold time due to power outage.

Delray Beach, Florida (DBFL) 2002 UATMP Carbonyl Annual Data Report

SAMPLE NUMBER	30521	#30796	30915	31269	31386
SAMPLE DATE	11/4/2002	11/16/2002	11/28/2002	12/10/2002	12/22/2002
ANALYSIS DATE	12/15/2002	12/24/2002	1/9/2003	1/20/2003	2/3/2003
FILE NAME	V2LN027	V2LW029	V3AH024	V3AT013	V3BB024
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.59	1.69	3.05	1.50	2.12
Acetaldehyde	3.08	1.04	2.50	2.09	2.31
Acetone	0.31	0.21	0.66	0.19	0.53
Propionaldehyde	0.11	0.03	0.06	0.04	0.05
Crotonaldehyde	0.004 u	0.003 u	0.004 u	0.003 u	0.004 u
Butyr/Isobutyraldehyde	0.13	0.10	0.14	0.10	0.11
Benzaldehyde	0.04	0.02	0.04	0.02	0.05
Isovaleraldehyde	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.01	0.01	0.01	0.02
Tolualdehydes	0.02	0.02	0.02	0.01	0.02
Hexaldehyde	0.02	0.02	0.02	0.01	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND

u - Concentration is below detection limit.

- After extraction sample came to room temperature due to power outage.

Delray Beach, Florida (DBFL) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	#V2LW028 30795 FB 11/16/2002 37614	Meets Criteria (Y/N)	V3AT016 31268 FB 12/10/2002 1/20/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.03	Y	0.06	Y
Acetaldehyde	<0.4	0.04	Y	0.15	Y
Acetone	<0.75	0.20	Y	0.26	Y
Propionaldehyde		ND		0.01	
Crotonaldehyde		0.12		ND	
Butyraldehyde		0.04		0.19	
Benzaldehyde		ND		0.02	
Isovaleraldehyde		0.01		ND	
Valeraldehyde		0.04		0.01	
Tolualdehydes		0.02		0.05	
Hexaldehyde		ND		0.02	
2,5-Dimethylbenzaldehyde		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.22	Y	0.30	Y

Delray Beach, Florida (DBFL) 2002 UATMP Carbonyl Fourth Quarter Data

Report

u - Concentration below detection limit

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

% - Sample extracted out of hold time due to power outage.

Denver, Colorado (Site 1 - DECO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	24971	25102	27432	27506 D1	27506 R1	27508 D2
SAMPLE DATE	1/2/2002	1/8/2002	5/8/2002	5/14/2002	5/14/2002	5/14/2002
ANALYSIS DATE	1/23/2002	1/25/2002	5/28/2002	6/6/2002	6/6/2002	6/6/2002
FILE NAME	F2AW009	F2AY017	F2EI011	F2FF004	F2FF005	F2FF006
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	5.16	5.84	4.12	4.81	4.80	4.90
Acetaldehyde	2.39	2.35	1.37	1.78	1.78	1.80
Acetone	3.03	3.91	2.59	3.96	3.94	4.13
Propionaldehyde	0.18	0.14	0.10	0.16	0.17	0.17
Crotonaldehyde	0.04	0.03	0.01	0.02	0.02	0.03
Butyr/Isobutyraldehyde	0.23	0.23	0.18	0.21	0.21	0.24
Benzaldehyde	0.11	0.10	0.07	0.08	0.09	0.09
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.11	0.12	0.07	0.09	0.09	0.09
Tolualdehydes	0.08	0.07	0.07	0.08	0.08	0.07
Hexaldehyde	0.13	0.20	0.13	0.14	0.13	0.14
2,5-Dimethylbenzaldehyde	0.02	0.02	0.02	ND	ND	ND

u - Concentration below detection limit

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Denver, Colorado (Site 1 - DECO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	27508 R2	27636	27763	27832	27943	28136
SAMPLE DATE	5/14/2002	5/20/2002	5/26/2002	6/1/2002	6/7/2002	6/13/2002
ANALYSIS DATE	6/6/2002	6/7/2002	6/11/2002	6/20/2002	7/9/2002	7/12/2002
FILE NAME	F2FF007	F2FG007	F2FJ016	F2FT006	V2GI013	F2GK025
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	4.89	5.63	4.51	*14.60	**14.81	**13.22
Acetaldehyde	1.82	2.16	1.38	5.16	3.33	3.11
Acetone	4.14	2.16	2.51	2.60	3.27	3.30
Propionaldehyde	0.17	0.23	0.11	0.57	0.27	0.23
Crotonaldehyde	0.03	0.03	0.02	0.05	0.07	0.12
Butyr/Isobutyraldehyde	0.25	0.26	0.20	0.47	0.31	0.30
Benzaldehyde	0.09	0.11	0.06	0.24	0.16	0.16
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.09	0.11	0.08	0.35	0.23	0.24
Tolualdehydes	0.08	0.10	0.07	0.21	0.18	0.24
Hexaldehyde	0.14	0.19	0.15	0.63	0.51	0.54
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit

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Denver, Colorado (Site 1 - DECO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	28264	28383	28475	28549	28760	28881
SAMPLE DATE	6/19/2002	6/25/2002	7/1/2002	7/7/2002	7/13/2002	7/19/2002
ANALYSIS DATE	7/16/2002	VOID	7/30/2002	7/16/2002	7/31/2002	8/6/2002
FILE NAME	F2GP018	VOID	F2G\$009	V2GP009	F2G\$034	F2HF008
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	5.54		11.34	13.41	11.02	11.32
Acetaldehyde	2.03		5.02	2.92	3.23	3.57
Acetone	1.79		5.54	1.15	3.37	3.59
Propionaldehyde	0.09		0.48	0.30	0.27	0.29
Crotonaldehyde	0.02		0.03	0.07	0.02	0.02
Butyr/Isobutyraldehyde	0.14		0.77	0.60	0.48	0.45
Benzaldehyde	0.09		0.13	0.10	0.10	0.11
Isovaleraldehyde	ND		ND	0.04	ND	ND
Valeraldehyde	0.06		0.23	0.20	0.15	0.12
Tolualdehydes	0.09		0.12	0.10	0.06	0.12
Hexaldehyde	0.12		0.25	0.35	0.12	0.18
2,5-Dimethylbenzaldehyde	ND		ND	ND	ND	ND

u - Concentration below detection limit

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Denver, Colorado (Site 1 - DECO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	28991	29067	29181	29268	29315	29490
SAMPLE DATE	7/25/2002	7/31/2002	8/6/2002	8/12/2002	8/18/2002	8/24/2002
ANALYSIS DATE	9/5/2002	9/6/2002	9/10/2002	9/5/2002	9/6/2002	9/17/2002
FILE NAME	V2ID022	F2IE025	F2II037	V2ID047	V2ID061	F2IP034
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	10.57	8.94	10.29	8.02	8.03	9.31
Acetaldehyde	3.18	3.22	2.66	1.80	3.45	2.60
Acetone	2.66	4.31	1.85	2.21	4.17	1.85
Propionaldehyde	0.20	0.33	0.14	0.12	0.27	0.17
Crotonaldehyde	0.03	0.02	0.02	0.02	0.02	0.03
Butyr/Isobutyraldehyde	0.38	0.43	0.24	0.28	0.35	0.30
Benzaldehyde	0.09	0.11	0.13	0.07	ND	0.09
Isovaleraldehyde	ND	ND	ND	ND	0.10	ND
Valeraldehyde	0.10	0.14	0.10	0.06	0.11	0.09
Tolualdehydes	0.10	0.12	0.11	0.09	0.11	0.08
Hexaldehyde	0.14	0.17	0.13	0.10	0.15	0.10
2,5-Dimethylbenzaldehyde	ND	0.04	ND	ND	ND	0.01

u - Concentration below detection limit

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Denver, Colorado (Site 1 - DECO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	29576	29682	29792 D1	29792 R1	29794 D2	29794 R2
SAMPLE DATE	8/30/2002	9/5/2002	9/11/2002	9/11/2002	9/11/2002	9/11/2002
ANALYSIS DATE	9/18/2002	9/19/2002	10/2/2002	10/2/2002	10/2/2002	10/2/2002
FILE NAME	V2IR008	V2IR042	F2JB008	F2JB009	F2JB010	F2JB011
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	*14.74	7.52	6.13	6.10	6.01	6.03
Acetaldehyde	4.72	2.54	2.16	2.17	2.15	2.16
Acetone	2.69	3.77	1.56	1.54	1.32	1.32
Propionaldehyde	0.41	0.20	0.15	0.15	0.14	0.14
Crotonaldehyde	0.04	0.02	0.02	0.02	0.02	0.02
Butyr/Isobutyraldehyde	0.52	0.33	0.33	0.32	0.31	0.31
Benzaldehyde	0.19	0.07	0.09	0.09	0.09	0.09
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.22	0.08	0.09	0.09	0.08	0.08
Tolualdehydes	0.15	0.09	0.07	0.05	0.07	0.07
Hexaldehyde	0.22	0.10	0.11	0.08	0.09	0.10
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit

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Denver, Colorado (Site 1 - DECO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	29894	29955	30036	30124	30200	30290
SAMPLE DATE	9/17/2002	9/23/2002	9/29/2002	10/5/2002	10/11/2002	10/17/2002
ANALYSIS DATE	10/3/2002	10/15/2002	10/23/2002	11/4/2002	11/5/2002	11/6/2002
FILE NAME	F2JB047	V2JN023	V2JW006	V2KD013	V2KD023	V2KE023
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	7.73	7.33	6.24	5.99	5.35	5.14
Acetaldehyde	1.84	2.38	1.90	1.88	1.65	2.58
Acetone	2.89	4.01	2.37	2.60	3.03	3.61
Propionaldehyde	0.16	0.26	0.15	0.13	0.12	0.24
Crotonaldehyde	0.03	0.03	0.02	0.02	0.01	0.03
Butyr/Isobutyraldehyde	0.39	0.50	0.26	0.27	0.27	0.24
Benzaldehyde	0.08	0.10	0.08	0.09	0.06	0.11
Isovaleraldehyde	ND	ND	ND	ND	ND	0.02
Valeraldehyde	0.10	0.10	0.09	0.09	0.05	0.09
Tolualdehydes	0.11	0.09	0.08	ND	0.09	0.09
Hexaldehyde	0.15	0.13	0.15	0.15	0.10	0.12
2,5-Dimethylbenzaldehyde	0.01	ND	ND	ND	ND	ND

u - Concentration below detection limit

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Denver, Colorado (Site 1 - DECO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30342	30465	30514	30590	30726 D1	30726 R1
SAMPLE DATE	10/23/2002	10/29/2002	11/4/2002	11/10/2002	11/16/2002	11/16/2002
ANALYSIS DATE	11/26/2002	12/13/2002	12/18/2002	12/20/2002	12/24/2002	Not
FILE NAME	V2KY022	#V2LL028	#V2LQ023	#V2LT013	#V2LW038	Analyzed
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.86	3.58	5.70	4.50	3.97	
Acetaldehyde	1.37	1.25	2.83	1.34	1.36	
Acetone	2.39	2.08	3.47	1.62	2.55	
Propionaldehyde	0.10	0.12	0.17	0.09	0.09	
Crotonaldehyde	0.02	0.02	0.03	0.01	0.02	
Butyr/Isobutyraldehyde	0.15	0.15	0.22	0.18	0.21	
Benzaldehyde	0.07	0.05	0.09	0.04	0.06	
Isovaleraldehyde	ND	ND	ND	ND	ND	
Valeraldehyde	0.06	0.05	0.09	0.06	0.06	
Tolualdehydes	0.07	0.06	0.10	0.05	0.04	
Hexaldehyde	0.10	0.09	0.12	0.07	0.12	
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	

u - Concentration below detection limit

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Denver, Colorado (Site 1 - DECO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30728 D2	30728 R2	30847	30910	30954	31031
SAMPLE DATE	11/16/2002	11/16/2002	11/22/2002	11/28/2002	12/4/2002	12/10/2002
ANALYSIS DATE	12/24/2002	Not	1/3/2003	1/9/2003	1/10/2003	1/4/2003
FILE NAME	#V2LW041	Analyzed	?%V3AB025	?V3AH017	V3AH051	V3AB054
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.83		3.92	4.80	4.55	4.39
Acetaldehyde	1.38		1.49	1.77	1.80	1.99
Acetone	2.56		2.36	2.34	2.75	3.05
Propionaldehyde	0.08		0.11	0.12	0.10	0.12
Crotonaldehyde	0.02		0.02	0.02	0.02	0.02
Butyr/Isobutyraldehyde	0.20		0.18	0.20	0.19	0.22
Benzaldehyde	0.06		0.06	0.06	0.07	0.08
Isovaleraldehyde	ND		ND	ND	ND	ND
Valeraldehyde	0.06		0.06	0.08	0.07	0.07
Tolualdehydes	0.05		0.06	0.07	0.07	0.07
Hexaldehyde	0.10		0.10	0.16	0.12	0.11
2,5-Dimethylbenzaldehyde	ND		ND	ND	ND	ND

u - Concentration below detection limit

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Denver, Colorado (Site 1 - DECO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	31135	31377	31375
SAMPLE DATE	12/16/2002	12/22/2002	12/28/2002
ANALYSIS DATE	1/3/2003	2/2/2003	2/3/2003
FILE NAME	V3AB041	V3BB007	V3BC023
UNITS	ppbv	ppbv	ppbv
Formaldehyde	5.50	3.99	4.46
Acetaldehyde	2.76	1.63	1.91
Acetone	3.69	1.88	2.34
Propionaldehyde	0.20	0.12	0.14
Crotonaldehyde	0.04	0.02	0.02
Butyr/Isobutyraldehyde	0.29	0.19	0.18
Benzaldehyde	0.16	0.06	0.07
Isovaleraldehyde	ND	ND	ND
Valeraldehyde	0.09	0.06	0.07
Tolualdehydes	0.09	0.06	0.06
Hexaldehyde	0.11	0.11	0.10
2,5-Dimethylbenzaldehyde	0.01	ND	ND

u - Concentration below detection limit

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Denver, Colorado (DECO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	27432	27506 D1	27506 R1	27508 D2	27508 R2	27636
SAMPLE DATE	5/8/2002	5/14/2002	5/14/2002	5/14/2002	5/14/2002	5/20/2002
ANALYSIS DATE	5/28/2002	6/6/2002	6/6/2002	6/6/2002	6/6/2002	6/7/2002
FILE NAME	F2E!011	F2FF004	F2FF005	F2FF006	F2FF007	F2FG007
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	5.08	5.93	5.92	6.04	6.03	6.94
Acetaldehyde	2.47	3.22	3.20	3.25	3.29	3.90
Acetone	6.16	9.43	9.39	9.83	9.85	5.14
Propionaldehyde	0.25	0.38	0.40	0.41	0.40	0.55
Crotonaldehyde	0.04	0.07	0.07	0.08	0.09	0.08
Butyr/Isobutyraldehyde	0.53	0.62	0.63	0.71	0.73	0.76
Benzaldehyde	0.30	0.34	0.38	0.39	0.39	0.49
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.24	0.32	0.31	0.32	0.32	0.38
Tolualdehydes	0.36	0.39	0.38	0.36	0.41	0.49
Hexaldehyde	0.54	0.57	0.55	0.58	0.59	0.78
2,5-Dimethylbenzaldehyde	0.12	ND	ND	ND	ND	ND

u - Concentration below detection limit

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Denver, Colorado (DECO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	27763	27832	27943	28136	28264	28383
SAMPLE DATE	5/26/2002	6/1/2002	6/7/2002	6/13/2002	6/19/2002	6/25/2002
ANALYSIS DATE	6/11/2002	6/20/2002	7/9/2002	7/12/2002	7/16/2002	VOID
FILE NAME	F2FJ016	F2FT006	V2GI013	F2GK025	F2GP018	VOID
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	5.56	*18.00	**18.26	**16.29	6.83	
Acetaldehyde	2.50	9.31	6.02	5.62	3.67	
Acetone	5.99	6.19	7.78	7.85	4.25	
Propionaldehyde	0.26	1.35	0.65	0.54	0.22	
Crotonaldehyde	0.05	0.15	0.21	0.34	0.06	
Butyr/Isobutyraldehyde	0.60	1.38	0.91	0.89	0.41	
Benzaldehyde	0.25	1.06	0.69	0.70	0.39	
Isovaleraldehyde	ND	ND	ND	ND	ND	
Valeraldehyde	0.28	1.22	0.83	0.85	0.21	
Tolualdehydes	0.35	1.02	0.88	1.18	0.42	
Hexaldehyde	0.61	2.60	2.07	2.21	0.47	
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	

u - Concentration below detection limit

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Denver, Colorado (DECO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	28475	28549	28760	28881	28991	29067
SAMPLE DATE	7/1/2002	7/7/2002	7/13/2002	7/19/2002	7/25/2002	7/31/2002
ANALYSIS DATE	7/30/2002	7/16/2002	7/31/2002	8/6/2002	9/5/2002	9/6/2002
FILE NAME	F2G\$009	V2GP009	F2G\$034	F2HF008	V2ID022	F2IE025
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	13.98	16.54	13.59	13.95	13.04	11.02
Acetaldehyde	9.06	5.28	5.84	6.45	5.74	5.81
Acetone	13.20	2.74	8.02	8.55	6.33	10.25
Propionaldehyde	1.15	0.71	0.64	0.70	0.48	0.80
Crotonaldehyde	0.09	0.19	0.04	0.05	0.07	0.05
Butyr/Isobutyraldehyde	2.26	1.78	1.41	1.34	1.12	1.26
Benzaldehyde	0.57	0.43	0.44	0.48	0.40	0.49
Isovaleraldehyde	ND	0.13	ND	ND	ND	ND
Valeraldehyde	0.83	0.69	0.51	0.44	0.36	0.48
Tolualdehydes	0.61	0.50	0.31	0.58	0.48	0.61
Hexaldehyde	1.01	1.42	0.47	0.74	0.55	0.70
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	0.19

u - Concentration below detection limit

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Denver, Colorado (DECO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	29181	29268	29315	29490	29576	29682
SAMPLE DATE	8/6/2002	8/12/2002	8/18/2002	8/24/2002	8/30/2002	9/5/2002
ANALYSIS DATE	9/10/2002	9/5/2002	9/6/2002	9/17/2002	9/18/2002	9/19/2002
FILE NAME	F2II037	V2ID047	V2ID061	F2IP034	V2IR008	V2IR042
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	12.68	9.89	9.90	11.48	*18.18	9.27
Acetaldehyde	4.81	3.26	6.23	4.69	8.52	4.59
Acetone	4.40	5.27	9.92	4.40	6.40	8.97
Propionaldehyde	0.34	0.30	0.64	0.40	0.98	0.49
Crotonaldehyde	0.05	0.04	0.05	0.07	0.11	0.07
Butyr/Isobutyraldehyde	0.72	0.83	1.04	0.90	1.53	0.98
Benzaldehyde	0.55	0.29	ND	0.37	0.81	0.32
Isovaleraldehyde	ND	ND	0.36	ND	ND	ND
Valeraldehyde	0.37	0.22	0.39	0.32	0.77	0.29
Tolualdehydes	0.56	0.43	0.56	0.41	0.73	0.42
Hexaldehyde	0.54	0.41	0.61	0.43	0.89	0.41
2,5-Dimethylbenzaldehyde	ND	ND	ND	0.06	ND	ND

u - Concentration below detection limit

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Denver, Colorado (DECO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	29792 D1	29792 R1	29794 D2	29794 R2	29894	29955
SAMPLE DATE	9/11/2002	9/11/2002	9/11/2002	9/11/2002	9/17/2002	9/23/2002
ANALYSIS DATE	10/2/2002	10/2/2002	10/2/2002	10/2/2002	10/3/2002	10/15/2002
FILE NAME	F2JB008	F2JB009	F2JB010	F2JB011	F2JB047	V2JN023
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	7.55	7.52	7.41	7.43	9.52	9.03
Acetaldehyde	3.90	3.92	3.89	3.89	3.31	4.29
Acetone	3.70	3.67	3.13	3.13	6.88	9.54
Propionaldehyde	0.358	0.36	0.34	0.34	0.39	0.62
Crotonaldehyde	0.07	0.06	0.07	0.05	0.08	0.08
Butyr/Isobutyraldehyde	0.97	0.95	0.93	0.91	1.16	1.48
Benzaldehyde	0.41	0.37	0.39	0.40	0.34	0.42
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.33	0.32	0.29	0.29	0.34	0.36
Tolualdehydes	0.32	0.25	0.36	0.35	0.53	0.46
Hexaldehyde	0.44	0.34	0.38	0.40	0.60	0.52
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	0.06	ND

u - Concentration below detection limit

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Denver, Colorado (DECO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30036	30124	30200	30290	30342	30465
SAMPLE DATE	9/29/2002	10/5/2002	10/11/2002	10/17/2002	10/23/2002	10/29/2002
ANALYSIS DATE	10/23/2002	11/4/2002	11/5/2002	11/6/2002	11/26/2002	12/13/2002
FILE NAME	V2JW006	V2KD013	V2KD023	V2KE023	V2KY022	#V2LL028
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	7.70	7.38	6.60	6.34	4.75	4.41
Acetaldehyde	3.43	3.40	2.99	4.66	2.48	2.25
Acetone	5.64	6.19	7.22	8.60	5.68	4.95
Propionaldehyde	0.36	0.32	0.28	0.57	0.23	0.29
Crotonaldehyde	0.05	0.06	0.04	0.07	0.05	0.06
Butyr/Isobutyraldehyde	0.78	0.81	0.79	0.72	0.45	0.45
Benzaldehyde	0.33	0.38	0.24	0.49	0.29	0.24
Isovaleraldehyde	ND	ND	ND	0.06	ND	ND
Valeraldehyde	0.31	0.31	0.19	0.31	0.20	0.18
Tolualdehydes	0.40	0.42	0.42	0.46	0.37	0.31
Hexaldehyde	0.60	0.60	0.39	0.51	0.41	0.35
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit

* - See last page for explanation.

** - See last page explanation.

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

Denver, Colorado (DECO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30514	30590	30726 D1	30726 R1	30728 D2	30728 R2
SAMPLE DATE	11/4/2002	11/10/2002	11/16/2002	11/16/2002	11/16/2002	11/16/2002
ANALYSIS DATE	12/18/2002	12/20/2002	12/24/2002	Not Analyzed	12/24/2002	Not Analyzed
FILE NAME	#V2LQ023	#V2LT013	#V2LW038	Not Analyzed	#V2LW041	Not Analyzed
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	7.03	5.55	4.89		4.72	
Acetaldehyde	5.11	2.41	2.46		2.49	
Acetone	8.25	3.86	6.06		6.09	
Propionaldehyde	0.41	0.224	0.21		0.20	
Crotonaldehyde	0.09	0.04	0.04		0.05	
Butyr/Isobutyraldehyde	0.64	0.53	0.62		0.58	
Benzaldehyde	0.40	0.18	0.26		0.24	
Isovaleraldehyde	ND	ND	ND		ND	
Valeraldehyde	0.31	0.20	0.22		0.21	
Tolualdehydes	0.47	0.23	0.22		0.25	
Hexaldehyde	0.47	0.28	0.49		0.43	
2,5-Dimethylbenzaldehyde	ND	ND	ND		ND	

u - Concentration below detection limit

* - See last page for explanation.

** - See last page explanation.

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

Denver, Colorado (DECO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30847	30910	30954	31031	31135	31377
SAMPLE DATE	11/22/2002	11/28/2002	12/4/2002	12/10/2002	12/16/2002	12/22/2002
ANALYSIS DATE	1/3/2003	1/9/2003	1/10/2003	1/4/2003	1/3/2003	2/2/2003
FILE NAME	?%V3AB025	?V3AH017	V3AH051	V3AB054	V3AB041	V3BB007
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	4.83	5.91	5.61	5.41	6.78	4.91
Acetaldehyde	2.69	3.20	3.24	3.60	4.98	2.95
Acetone	5.61	5.56	6.55	7.27	8.79	4.48
Propionaldehyde	0.25	0.29	0.23	0.29	0.48	0.29
Crotonaldehyde	0.06	0.05	0.07	0.07	0.11	0.06
Butyr/Isobutyraldehyde	0.55	0.59	0.55	0.64	0.85	0.56
Benzaldehyde	0.25	0.25	0.31	0.37	0.69	0.28
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.22	0.28	0.24	0.26	0.33	0.23
Tolualdehydes	0.32	0.35	0.35	0.34	0.42	0.30
Hexaldehyde	0.40	0.66	0.51	0.44	0.45	0.45
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	0.05	ND

u - Concentration below detection limit

* - See last page for explanation.

** - See last page explanation.

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

Denver, Colorado (DECO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	31375
SAMPLE DATE	12/28/2002
ANALYSIS DATE	2/3/2003
FILE NAME	V3BC023
UNITS	ug/m3
Formaldehyde	5.50
Acetaldehyde	3.44
Acetone	5.56
Propionaldehyde	0.33
Crotonaldehyde	0.06
Butyr/Isobutyraldehyde	0.54
Benzaldehyde	0.32
Isovaleraldehyde	ND
Valeraldehyde	0.26
Tolualdehydes	0.29
Hexaldehyde	0.39
2,5-Dimethylbenzaldehyde	ND

u - Concentration below detection limit

* - See last page for explanation.

** - See last page explanation.

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

Denver, Colorado (DECO) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	F2E!010 27431 FB 5/8/2002 5/28/2002	Meets Criteria (Y/N)	F2FJ015 27762 FB 5/26/2002 6/11/2002	Meets Criteria (Y/N)	F2GK024 28135 FB 6/13/2002 7/12/2002	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.04	Y	0.03	Y	0.05	Y
Acetaldehyde	<0.4	0.05	Y	0.10	Y	0.09	Y
Acetone	<0.75	0.15	Y	0.18	Y	0.17	Y
Propionaldehyde		0.01		0.01		0.01	
Crotonaldehyde		ND		ND		0.02	
Butyraldehyde		0.14		0.37		0.02	
Benzaldehyde		ND		0.01		0.03	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.01	
Tolualdehydes		0.08		0.05		0.05	
Hexaldehyde		0.04		0.02		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.28	Y	0.48	Y	0.15	Y

Denver, Colorado (DECO) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	F2GP017 28263 FB 6/19/2002 7/16/2002	Meets Criteria (Y/N)	V2GP008 28548 FB 7/7/2002 7/16/2002	Meets Criteria (Y/N)	V2ID021 28990 FB 7/25/2002 9/5/2002	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.05	Y	0.04	Y	0.08	Y
Acetaldehyde	<0.4	0.14	Y	0.07	Y	0.17	Y
Acetone	<0.75	0.19	Y	0.13	Y	0.18	Y
Propionaldehyde		0.01		0.01		0.01	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.03		0.01		0.15	
Benzaldehyde		0.04		ND		0.01	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.01	
Tolualdehydes		0.14		0.35		0.04	
Hexaldehyde		0.02		0.01		0.03	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.25	Y	0.39	Y	0.25	Y

Denver, Colorado (DECO) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	V2ID046 29267 FB 8/12/2002 9/5/2002	Meets Criteria (Y/N)	V2IR007 29575 FB 8/30/2002 9/18/2002	Meets Criteria (Y/N)	V2IR043 29681 FB 9/5/2002 9/19/2002	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.04	Y	0.02	Y	0.05	Y
Acetaldehyde	<0.4	0.13	Y	0.04	Y	0.10	Y
Acetone	<0.75	0.15	Y	0.21	Y	0.22	Y
Propionaldehyde		0.01		ND		ND	
Crotonaldehyde		ND		ND		0.01	
Butyraldehyde		0.14		0.16		0.18	
Benzaldehyde		0.02		ND		0.01	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.01		0.00		0.00	
Tolualdehydes		0.07		0.08		0.06	
Hexaldehyde		0.05		0.02		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.30	Y	0.26	Y	0.29	Y

Denver, Colorado (DECO) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	V2JN022 29954 FB 9/23/2002 10/15/2002	Meets Criteria (Y/N)	V2KD024 30199 10/11/2002 11/5/2002	Meets Criteria (Y/N)	#V2LL027 30464 FB 10/29/2002 12/13/2002	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.04	Y	0.08	Y	0.23	Y
Acetaldehyde	<0.4	0.15	Y	0.07	Y	0.07	Y
Acetone	<0.75	0.16	Y	0.21	Y	0.24	Y
Propionaldehyde		ND		ND		ND	
Crotonaldehyde		ND		0.01		ND	
Butyraldehyde		0.23		0.02		0.07	
Benzaldehyde		0.01		0.02		0.02	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.01		0.00		0.01	
Tolualdehydes		0.04		0.03		0.04	
Hexaldehyde		0.02		0.04		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.31	Y	0.12	Y	0.15	Y

Denver, Colorado (DECO) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance Criteria	#V2LQ024	Meets Criteria	#V2LW039	Meets Criteria	?%V3AB024	Meets Criteria
FB ID		30513 FB		30725 FB		30846 FB	
Sample date	per	11/4/2002		11/16/2002		11/22/2002	
Date Analyzed	QAPP	12/18/2002	(Y/N)	12/24/2002	(Y/N)	1/3/2003	(Y/N)
Formaldehyde	<0.3	0.07	Y	0.06	Y	0.06	Y
Acetaldehyde	<0.4	0.08	Y	0.06	Y	0.12	Y
Acetone	<0.75	0.24	Y	0.23	Y	0.23	Y
Propionaldehyde		ND		ND		0.01	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.03		0.16		0.16	
Benzaldehyde		0.03		0.02		0.02	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.01		0.00		0.01	
Tolualdehydes		0.01		0.03		0.04	
Hexaldehyde		0.03		0.04		0.03	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.11	Y	0.25	Y	0.26	Y

Denver, Colorado (DECO) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V3AB055	Meets	V3BC024	Meets
FB ID	Criteria	31030 FB	Criteria	31374 FB	Criteria
Sample date	per	12/10/2002	(Y/N)	12/28/2002	(Y/N)
Date Analyzed	QAPP	1/4/2003		2/4/2003	
Formaldehyde	<0.3	0.05	Y	0.26	Y
Acetaldehyde	<0.4	0.06	Y	0.07	Y
Acetone	<0.75	0.22	Y	0.20	Y
Propionaldehyde		0.00		0.01	
Crotonaldehyde		ND		ND	
Butyraldehyde		0.15		0.09	
Benzaldehyde		0.03		0.01	
Isovaleraldehyde		ND		ND	
Valeraldehyde		0.01		0.01	
Tolualdehydes		0.04		0.04	
Hexaldehyde		0.02		0.05	
2,5-Dimethylbenzaldehyde		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.26	Y	0.20	Y

Denver, Colorado (DECO) 2002 UATMP Carbonyl Annual Data Report

u - Concentration below detection limit

* - Compound diluted 5X.

** - Compound diluted 2X.

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

% - Sample extracted out of hold time due to power outage.

Detroit, Michigan (Dearborn - DEMI/D2MI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	24952	24951 D1	24951 R1	24949 D2	24949 R2	25039
SAMPLE DATE	1/1/2002	1/2/2002	1/2/2002	1/2/2002	1/2/2002	1/3/2002
ANALYSIS DATE	1/22/2002	1/23/2002	1/23/2002	1/22/2002	1/22/2002	1/23/2002
FILE NAME	F2AU040	F2AU056	F2AU057	F2AU054	F2AU055	F2AW017
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.60	2.71	2.73	2.45	2.45	2.53
Acetaldehyde	1.15	1.01	1.03	1.07	1.07	1.08
Acetone	1.05	1.08	1.12	1.30	1.31	1.45
Propionaldehyde	0.12	0.10	0.11	0.12	0.12	0.12
Crotonaldehyde	0.02	0.03	0.03	0.02	0.02	0.02
Butyr/Isobutyraldehyde	0.14	0.14	0.14	0.15	0.15	0.15
Benzaldehyde	0.04	0.05	0.05	0.04	0.05	0.05
Isovaleraldehyde	0.01	0.01	0.01	ND	ND	0.003
Valeraldehyde	0.04	0.04	0.04	0.04	0.05	0.04
Tolualdehydes	0.04	0.04	0.04	0.06	0.06	0.03
Hexaldehyde	0.03	0.03	0.03	0.04	0.04	0.03
2,5-Dimethylbenzaldehyde	0.01	0.01	0.01	0.02	0.02	0.01

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

Detroit, Michigan (Dearborn - DEMI/D2MI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	25038	25040	25041	25044	25176	25177
SAMPLE DATE	1/4/2002	1/6/2002	1/7/2002	1/8/2002	1/9/2002	1/10/2002
ANALYSIS DATE	1/23/2002	1/23/2002	1/23/2002	1/24/2002	1/24/2002	1/24/2002
FILE NAME	F2AW016	F2AW018	F2AW019	F2AW023	F2AW029	F2AW030
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.44	2.60	2.21	0.64	2.08	2.15
Acetaldehyde	0.41	1.33	0.66	0.42	1.00	0.71
Acetone	0.52	1.56	1.01	0.56	1.41	1.07
Propionaldehyde	0.04	0.16	0.08	0.05	0.12	0.09
Crotonaldehyde	0.004 u	0.03	0.02	0.01 u	0.02	0.01
Butyr/Isobutyraldehyde	0.05	0.16	0.10	0.06	0.13	0.10
Benzaldehyde	0.01	0.04	0.03	0.02	0.04	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.06	0.04	0.02	0.04	0.03
Tolualdehydes	0.02	0.05	0.03	0.01	0.02	0.03
Hexaldehyde	0.01	0.05	0.03	0.01	0.03	0.03
2,5-Dimethylbenzaldehyde	ND	0.01	0.005	0.001 u	0.01	0.004

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

Detroit, Michigan (Dearborn - DEMI/D2MI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	25178 D1	25178 R1	25179 D2	25179 R2	25180	25181
SAMPLE DATE	1/11/2002	1/11/2002	1/11/2002	1/11/2002	1/12/2002	1/13/2002
ANALYSIS DATE	1/24/2002	1/24/2002	1/24/2002	1/24/2002	1/24/2002	1/24/2002
FILE NAME	F2AW041	F2AW042	F2AW043	F2AW044	F2AW031	F2AW032
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.00	2.06	0.56	0.54	1.16	1.83
Acetaldehyde	0.49	0.50	0.19	0.20	0.51	0.56
Acetone	0.71	0.72	0.30	0.28	0.71	0.78
Propionaldehyde	0.06	0.06	0.03	0.03	0.06	0.07
Crotonaldehyde	0.01	0.01	0.004 u	0.004 u	0.01 u	0.01
Butyr/Isobutyraldehyde	0.10	0.10	0.05	0.05	0.07	0.09
Benzaldehyde	0.03	0.03	0.01	0.01	0.02	0.03
Isovaleraldehyde	ND	ND	ND	ND	0.01	0.01
Valeraldehyde	0.02	0.03	0.01	0.01	0.02	0.03
Tolualdehydes	0.01	0.02	0.01	0.01	0.02	0.03
Hexaldehyde	0.02	0.02	0.01	0.01	0.02	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	0.00 u	0.00 u

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

Detroit, Michigan (Dearborn - DEMI/D2MI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	25278	25279	25280	25281	25282	25283 D1
SAMPLE DATE	1/15/2002	1/16/2002	1/17/2002	1/18/2002	1/19/2002	1/20/2002
ANALYSIS DATE	1/29/2002	1/29/2002	1/29/2002	1/29/2002	1/29/2002	1/30/2002
FILE NAME	F2A#013	F2A#014	F2A#015	F2A#016	F2A#017	F2A#042
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.90	1.81	1.17	0.18	1.23	0.30
Acetaldehyde	0.34	0.83	0.50	0.08	0.56	0.22
Acetone	0.48	1.02	0.98	0.16	0.64	0.34
Propionaldehyde	0.04	0.10	0.10	0.01 u	0.06	0.02
Crotonaldehyde	0.01	0.01	0.02	0.004 u	0.01 u	0.004 u
Butyr/Isobutyraldehyde	0.06	0.12	0.12	0.02	0.08	0.05
Benzaldehyde	0.02	0.03	0.03	0.01	0.02	0.01
Isovaleraldehyde	ND	ND	ND	ND	0.002 u	0.001 u
Valeraldehyde	0.02	0.04	0.03	0.003	0.02	0.01
Tolualdehydes	0.04	0.02	0.07	0.01	0.03	0.01
Hexaldehyde	0.02	0.04	0.03	0.01	0.02	0.01
2,5-Dimethylbenzaldehyde	ND	0.01	ND	ND	0.00	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

Detroit, Michigan (Dearborn - DEMI/D2MI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	25283 R1	25284 D2	25284 R2	25286	25408	25409
SAMPLE DATE	1/20/2002	1/20/2002	1/20/2002	1/21/2002	1/22/2002	1/24/2002
ANALYSIS DATE	1/30/2002	1/30/2002	1/30/2002	1/29/2002	VOID	3/12/2002
FILE NAME	F2A#043	F2A#044	F2A#045	F2A#018	VOID	F2CL015
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.29	1.36	1.36	0.18		0.01 u
Acetaldehyde	0.22	0.74	0.74	0.08		0.03
Acetone	0.35	1.15	1.15	0.15		0.08
Propionaldehyde	0.02	0.11	0.10	0.01		0.00 u
Crotonaldehyde	0.01 u	0.02	0.02	0.00 u		0.00 u
Butyr/Isobutyraldehyde	0.05	0.12	0.12	0.02		0.02
Benzaldehyde	0.01	0.03	0.03	0.01		0.01
Isovaleraldehyde	0.001 u	ND	ND	ND		ND
Valeraldehyde	0.01	0.03	0.04	0.004		ND
Tolualdehydes	0.01	0.04	0.03	0.01		0.01
Hexaldehyde	0.01	0.03	0.03	0.01		0.01
2,5-Dimethylbenzaldehyde	ND	0.02	0.02	ND		ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

Detroit, Michigan (Dearborn - DEMI/D2MI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	25410	25412 D1	25412 R1	25416	25644	25645 D1
SAMPLE DATE	1/25/2002	1/26/2002	1/26/2002	1/27/2002	1/28/2002	1/29/2002
ANALYSIS DATE	3/12/2002	3/14/2002	3/14/2002	3/13/2002	VOID	3/20/2002
FILE NAME	F2CL017	F2CL061	F2CL062	F2CL022	VOID	F2CR036
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.07	1.00	1.00	1.45		0.02 u
Acetaldehyde	0.88	0.55	0.56	0.65		0.04
Acetone	0.82	0.79	0.79	0.96		0.09
Propionaldehyde	0.11	0.07	0.07	0.08		0.00 u
Crotonaldehyde	0.01	0.02	0.01 u	0.01		ND
Butyr/Isobutyraldehyde	0.15	0.11	0.08	0.10		0.02
Benzaldehyde	0.03	0.02	0.02	0.02		0.01
Isovaleraldehyde	ND	ND	ND	ND		ND
Valeraldehyde	0.02	0.02	0.01	0.02		ND
Tolualdehydes	0.04	0.03	0.03	0.02		0.01
Hexaldehyde	0.03	0.02	0.02	0.02		0.01
2,5-Dimethylbenzaldehyde	0.01	ND	ND	0.004		ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

Detroit, Michigan (Dearborn - DEMI/D2MI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	25645 R1	25646 D2	25646 R2	25647	25648	25650
SAMPLE DATE	1/29/2002	1/29/2002	1/29/2002	1/30/2002	1/31/2002	2/2/2002
ANALYSIS DATE	3/20/2002	3/20/2002	3/20/2002	3/15/2002	3/15/2002	3/15/2002
FILE NAME	F2CR037	F2CR038	F2CR039	F2CO010	F2CO011	F2CO013
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.02 u	2.16	2.16	0.02 u	0.02 u	9.43
Acetaldehyde	0.04	0.93	0.93	0.03	0.04	3.63
Acetone	0.09	1.26	1.26	0.12	0.10	1.16
Propionaldehyde	0.00 u	0.14	0.13	0.00 u	0.00 u	0.64
Crotonaldehyde	ND	0.01	0.01	ND	ND	0.05
Butyr/Isobutyraldehyde	0.02	0.15	0.15	0.02	0.02	0.37
Benzaldehyde	0.01	0.03	0.03	0.01	0.01	0.12
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	ND	0.03	0.03	0.002 u	ND	0.14
Tolualdehydes	0.01	0.03	0.04	0.01	0.01	0.06
Hexaldehyde	0.01	0.05	0.05	0.01	0.01	0.11
2,5-Dimethylbenzaldehyde	ND	0.01	0.01	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

Detroit, Michigan (Dearborn - DEMI/D2MI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	25651	25652 D2	25652 R2	25653	25654	25655 D1
SAMPLE DATE	2/3/2002	2/4/2002	2/4/2002	2/5/2002	2/6/2002	2/7/2002
ANALYSIS DATE	3/15/2002	3/20/2002	3/20/2002	3/15/2002	3/15/2002	VOID
FILE NAME	F2CO014	F2CR040	F2CR041	F2CO015	F2CO016	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.02 u	1.02	1.02	1.64	1.48	
Acetaldehyde	0.03	0.44	0.44	0.78	0.89	
Acetone	0.09	0.60	0.58	1.10	1.39	
Propionaldehyde	ND	0.07	0.06	0.09	0.10	
Crotonaldehyde	0.02	0.02	0.02	0.01	0.02	
Butyr/Isobutyraldehyde	ND	0.10	0.11	0.14	0.13	
Benzaldehyde	0.01	0.03	0.04	0.04	0.04	
Isovaleraldehyde	ND	ND	ND	ND	ND	
Valeraldehyde	0.002 u	0.02	0.02	0.03	0.03	
Tolualdehydes	0.01	0.04	0.05	0.02	0.02	
Hexaldehyde	0.005	0.02	0.02	0.02	0.02	
2,5-Dimethylbenzaldehyde	ND	ND	ND	0.01	0.01	

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

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SAMPLE #	25656 D2	25656 R2	25702	25701	25700	25835 D1
SAMPLE DATE	2/7/2002	2/7/2002	2/8/2002	2/9/2002	2/11/2002	2/16/2002
ANALYSIS DATE	3/20/2002	3/20/2002	3/22/2002	3/22/2002	3/22/2002	4/3/2002
FILE NAME	F2CR042	F2CR043	F2CT040	F2CT039	F2CT038	F2DD008
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.27	1.28	0.02 u	0.02 u	0.02 u	1.64
Acetaldehyde	0.62	0.62	0.04	0.04	0.04	0.51
Acetone	1.17	1.15	0.11	0.10	0.08	0.59
Propionaldehyde	0.09	0.08	0.00 u	0.00 u	0.00 u	0.05
Crotonaldehyde	0.01	0.01 u	ND	ND	ND	0.01 u
Butyr/Isobutyraldehyde	0.13	0.11	0.02	0.02	0.02	0.07
Benzaldehyde	0.03	0.03	0.01	0.01	0.01	0.02
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.03	0.002 u	0.00	ND	0.02
Tolualdehydes	0.03	0.03	0.01	0.01	0.01	0.02
Hexaldehyde	0.03	0.03	0.01	0.01	0.01	0.02
2,5-Dimethylbenzaldehyde	ND	ND	0.00 u	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

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SAMPLE #	25835 R1	25836	25993	25994	25995	25996
SAMPLE DATE	2/16/2002	2/17/2002	2/20/2002	2/21/2002	2/22/2002	2/23/2002
ANALYSIS DATE	4/3/2002	4/1/2002	4/4/2002	4/4/2002	4/4/2002	4/4/2002
FILE NAME	F2DD009	F2DA012	F2DD042	F2DD043	F2DD044	F2DD045
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.64	1.90	2.23	0.95	1.30	2.25
Acetaldehyde	0.51	0.63	1.18	0.41	0.52	1.00
Acetone	0.60	0.76	0.31	0.65	0.69	1.16
Propionaldehyde	0.05	0.07	0.17	0.05	0.07	0.11
Crotonaldehyde	0.01 u	0.01 u	0.01	0.01 u	0.01 u	0.01
Butyr/Isobutyraldehyde	0.08	0.09	0.11	0.07	0.13	0.13
Benzaldehyde	0.02	0.02	0.05	0.02	0.03	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.02	0.04	0.01	0.03	0.03
Tolualdehydes	0.02	0.02	0.04	0.01	0.04	0.01
Hexaldehyde	0.02	0.02	0.03	0.01	0.03	0.04
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

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SAMPLE #	25997	25998 D1	25998 R1	25999 D2	25999 R2	26110
SAMPLE DATE	2/24/2002	2/25/2002	2/25/2002	2/25/2002	2/25/2002	2/26/2002
ANALYSIS DATE	4/4/2002	4/4/2002	4/4/2002	4/4/2002	4/4/2002	4/5/2002
FILE NAME	F2DD046	F2DD027	F2DD028	F2DD029	F2DD030	F2DD087
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.39	2.14	2.12	1.74	1.73	0.81
Acetaldehyde	0.74	0.89	0.88	0.84	0.83	0.40
Acetone	1.10	1.18	1.19	1.25	1.23	0.86
Propionaldehyde	0.08	0.08	0.08	0.11	0.09	0.06
Crotonaldehyde	0.01	0.01	0.01	0.01	0.01	0.01
Butyr/Isobutyraldehyde	0.12	0.11	0.11	0.10	0.11	0.09
Benzaldehyde	0.03	0.03	0.03	0.03	0.03	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.02	0.02	0.02	0.02	0.04
Tolualdehydes	0.03	0.04	0.03	0.02	0.03	0.03
Hexaldehyde	0.02	0.03	0.02	0.02	0.02	0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

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SAMPLE #	26112	26113	26114	30117	26115 R2	26251
SAMPLE DATE	2/27/2002	3/1/2002	3/2/2002	3/3/2002	3/3/2002	3/4/2002
ANALYSIS DATE	4/5/2002	4/9/2002	4/9/2002	4/13/2002	4/14/2002	4/9/2002
FILE NAME	F2DD088	F2DI010	F2DI011	F2DL055	F2DL056	F2DI019
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.47	1.85	0.66	1.30	1.30	0.62
Acetaldehyde	0.65	0.93	0.22	0.59	0.60	0.42
Acetone	0.71	1.31	0.34	0.74	0.74	0.72
Propionaldehyde	0.06	0.09	0.03	0.07	0.08	0.05
Crotonaldehyde	0.01	0.01	ND	0.01	0.01	0.01
Butyr/Isobutyraldehyde	0.08	0.12	0.05	0.10	0.10	0.06
Benzaldehyde	0.02	0.03	0.01	0.02	0.02	0.02
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.02	0.01	0.02	0.03	0.02
Tolualdehydes	0.01	0.02	0.02	0.02	0.01	0.03
Hexaldehyde	0.01	0.03	0.02	0.03	0.03	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

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SAMPLE #	26252	26253 D1	26253 R1	26254 D2	26254 R2	26255
SAMPLE DATE	3/5/2002	3/6/2002	3/6/2002	3/6/2002	3/6/2002	3/7/2002
ANALYSIS DATE	VOID	4/14/2002	4/14/2002	4/14/2002	4/14/2002	4/9/2002
FILE NAME	VOID	F2DL061	F2DL062	F2DL063.	F2DL064.	F2DI020
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde		3.71	3.69	3.48	3.47	1.77
Acetaldehyde		1.35	1.34	1.37	1.37	0.73
Acetone		1.87	1.86	1.88	1.88	1.05
Propionaldehyde		0.14	0.14	0.14	0.15	0.09
Crotonaldehyde		0.01	0.01	0.01	0.02	0.01 u
Butyr/Isobutyraldehyde		0.19	0.20	0.19	0.19	0.12
Benzaldehyde		0.05	0.05	0.05	0.05	0.03
Isovaleraldehyde		ND	ND	ND	ND	ND
Valeraldehyde		0.04	0.04	0.05	0.05	0.03
Tolualdehydes		0.02	0.02	0.04	0.04	0.03
Hexaldehyde		0.06	0.06	0.06	0.06	0.05
2,5-Dimethylbenzaldehyde		ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

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SAMPLE #	26256	26258	26371	26372 D2	26372 R2	26373
SAMPLE DATE	3/8/2002	3/10/2002	3/11/2002	3/12/2002	3/12/2002	3/13/2002
ANALYSIS DATE	4/9/2002	4/9/2002	4/23/2002	4/23/2002	4/23/2002	4/23/2002
FILE NAME	F2DI021	F2DI023	F2DV013	F2DV031	F2DV032	F2DV015
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.21	1.08	1.89	2.26	2.25	1.96
Acetaldehyde	1.02	0.49	0.95	0.96	0.96	0.74
Acetone	1.11	0.78	0.99	1.34	1.33	1.37
Propionaldehyde	0.11	0.06	0.10	0.11	0.11	0.09
Crotonaldehyde	0.02	0.01 u	0.01	0.01	0.01	0.01
Butyr/Isobutyraldehyde	0.15	0.08	0.20	0.17	0.18	0.18
Benzaldehyde	0.03	0.01	0.03	0.03	0.03	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.02	0.03	0.03	0.03	0.03
Tolualdehydes	0.04	0.02	0.04	0.03	0.03	0.04
Hexaldehyde	0.03	0.01	0.03	0.03	0.03	0.04
2,5-Dimethylbenzaldehyde	ND	ND	0.01	ND	0.01	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

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SAMPLE #	26374	26378 D1	26378 R1	26379 D2	26379 R2	26380
SAMPLE DATE	3/14/2002	3/15/2002	3/15/2002	3/15/2002	3/15/2002	3/16/2002
ANALYSIS DATE	4/23/2002	4/23/2002	4/23/2002	4/23/2002	4/23/2002	4/23/2002
FILE NAME	F2DV016	F2DV026	F2DV027	F2DV028	F2DV029	F2DV020
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.53	1.27	1.27	2.01	2.01	3.38
Acetaldehyde	0.81	0.45	0.45	0.63	0.64	1.15
Acetone	1.21	1.02	1.01	1.07	1.07	1.41
Propionaldehyde	0.10	0.07	0.06	0.07	0.08	0.15
Crotonaldehyde	0.01 u	0.01 u	0.01	0.01	0.01	0.01
Butyr/Isobutyraldehyde	0.19	0.10	0.13	0.17	0.17	0.21
Benzaldehyde	0.03	0.03	0.02	0.02	0.02	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.05	0.04	0.03	0.03	0.05
Tolualdehydes	0.02	0.03	0.03	0.03	0.03	0.03
Hexaldehyde	0.05	0.03	0.02	0.03	0.03	0.06
2,5-Dimethylbenzaldehyde	0.00	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

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SAMPLE #	26381	26493	26489	26494	26497 D2	26497 R2
SAMPLE DATE	3/17/2002	3/19/2002	3/20/2002	3/21/2002	3/21/2002	3/21/2002
ANALYSIS DATE	4/23/2002	4/29/2002	4/29/2002	4/29/2002	4/29/2002	4/30/2002
FILE NAME	F2DV021	F2D#015	F2D#013	F2D#016	F2D#023	F2D#024
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.89	1.26	1.67	0.22	1.03	1.03
Acetaldehyde	0.33	0.41	0.75	0.18	0.56	0.56
Acetone	0.45	1.25	1.41	0.47	1.33	1.33
Propionaldehyde	0.07	0.05	0.08	0.02	0.07	0.07
Crotonaldehyde	ND	0.01 u	0.01	0.004 u	0.01	0.01
Butyr/Isobutyraldehyde	0.11	0.15	0.15	0.13	0.23	0.23
Benzaldehyde	0.03	0.02	0.03	0.01	0.03	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.05	0.03	0.02	0.005	0.03	0.02
Tolualdehydes	0.04	0.04	0.03	0.01	0.03	0.03
Hexaldehyde	0.04	0.04	0.03	0.01	0.02	0.02
2,5-Dimethylbenzaldehyde	ND	0.01	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

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SAMPLE #	26496	26490	26491 D1	26491 R1	26492 D2	26492 R2
SAMPLE DATE	3/22/2002	3/23/2002	3/24/2002	3/24/2002	3/24/2002	3/24/2002
ANALYSIS DATE	4/30/2002	4/29/2002	4/29/2002	4/29/2002	4/29/2002	4/29/2002
FILE NAME	F2D#036	F2D#014	F2D#019	F2D#020	F2D#021	F2D#022
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.02 u	1.59	1.44	1.44	2.20	2.20
Acetaldehyde	0.03	0.65	0.65	0.64	0.96	0.95
Acetone	0.16	1.24	1.16	1.15	1.56	1.57
Propionaldehyde	0.003 u	0.08	0.08	0.07	0.11	0.11
Crotonaldehyde	ND	0.01 u	0.01	0.01 u	0.01	0.01
Butyr/Isobutyraldehyde	0.11	0.15	0.19	0.18	0.28	0.28
Benzaldehyde	0.003	0.02	0.02	0.02	0.03	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.002 u	0.02	0.03	0.03	0.04	0.04
Tolualdehydes	0.01	0.02	0.03	0.02	0.03	0.04
Hexaldehyde	0.00	0.02	0.04	0.04	0.07	0.08
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

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SAMPLE #	26566	26467	26567	26568	26569 D2	26569 R2
SAMPLE DATE	3/25/2002	3/26/2002	3/28/2002	3/29/2002	3/30/2002	3/30/2002
ANALYSIS DATE	4/30/2002	4/30/2002	4/30/2002	4/30/2002	4/30/2002	4/30/2002
FILE NAME	F2D#044	F2D#037	F2D#045	F2D#046	F2D#029	F2D#030
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.80	1.60	0.02 u	0.02 u	0.89	0.88
Acetaldehyde	0.65	0.67	0.03	0.04	0.36	0.36
Acetone	1.25	1.19	0.10	0.10	0.64	0.64
Propionaldehyde	0.07	0.07	0.002 u	0.003 u	0.05	0.05
Crotonaldehyde	0.01 u	0.01	ND	ND	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.11	0.13	0.04	0.04	0.08	0.08
Benzaldehyde	0.02	0.03	0.01	0.01	0.02	0.01
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.02	0.001 u	0.002 u	0.01	0.01
Tolualdehydes	0.02	0.03	0.01	0.01	0.02	0.02
Hexaldehyde	0.04	0.04	0.005	0.01	0.02	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

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SAMPLE #	26570	26571	26572 D1	26572 R1	26573 D2	26573 R2
SAMPLE DATE	3/31/2002	4/1/2002	4/2/2002	4/2/2002	4/2/2002	4/2/2002
ANALYSIS DATE	4/30/2002	4/30/2002	4/30/2002	4/30/2002	4/30/2002	4/30/2002
FILE NAME	F2D#047	F2D#048	F2D#031	F2D#032	F2D#033	F2D#034
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.02 u	0.02 u	3.85	3.86	1.91	1.92
Acetaldehyde	0.03	0.04	1.38	1.38	0.85	0.85
Acetone	0.11	0.10	1.19	1.19	0.88	0.88
Propionaldehyde	0.002 u	0.003 u	0.16	0.15	0.11	0.11
Crotonaldehyde	ND	ND	0.02	0.02	0.01	0.01
Butyr/Isobutyraldehyde	0.04	0.04	0.21	0.21	0.14	0.15
Benzaldehyde	0.00	0.01	0.05	0.05	0.04	0.04
Isovaleraldehyde	ND	0.001 u	0.05	0.05	0.03	0.04
Valeraldehyde	0.00 u	ND	ND	ND	ND	ND
Tolualdehydes	0.01	0.01	0.05	0.05	0.05	0.04
Hexaldehyde	0.01	0.01	0.06	0.06	0.06	0.05
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

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SAMPLE #	26699	26698	26697	26696	26695 D2	26695 R2
SAMPLE DATE	4/3/2002	4/4/2002	4/6/2002	4/7/2002	4/8/2002	4/8/2002
ANALYSIS DATE	5/11/2002	5/11/2002	5/11/2002	5/11/2002	5/14/2002	5/14/2002
FILE NAME	F2EJ039	F2EJ038	F2EJ037	F2EJ036	F2EM042	F2EM043
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.03	0.03	1.79	0.06	0.03	0.03
Acetaldehyde	0.04	0.03	0.62	0.03	0.05	0.05
Acetone	0.11	0.11	1.32	0.08	0.08	0.08
Propionaldehyde	0.003 u	0.003 u	0.08	0.003 u	0.004 u	0.004 u
Crotonaldehyde	ND	ND	0.01 u	ND	ND	ND
Butyr/Isobutyraldehyde	0.03	0.03	0.14	0.04	0.09	0.09
Benzaldehyde	0.01	0.01	0.02	0.01	0.01	0.00
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.002 u	0.003 u	0.02	0.002 u	0.003 u	0.003 u
Tolualdehydes	0.01	0.01	0.01	0.001 u	0.002 u	0.002 u
Hexaldehyde	0.01	0.01	0.04	0.01	0.01	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

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SAMPLE #	26828	26829	26830 D1	26830 R1	26831 D2	26831 R2
SAMPLE DATE	4/9/2002	4/10/2002	4/11/2002	4/11/2002	4/11/2002	4/11/2002
ANALYSIS DATE	5/16/2002	5/16/2002	5/16/2002	5/16/2002	5/16/2002	5/16/2002
FILE NAME	F2EO030	F2EO031	F2EO049	F2EO050	F2EO051	F2EO052
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.06	0.06	0.05	0.05	1.52	1.53
Acetaldehyde	0.06	0.04	0.06	0.06	0.70	0.70
Acetone	0.08	0.09	0.08	0.08	1.51	1.50
Propionaldehyde	0.005 u	0.004 u	0.003 u	0.005 u	0.10	0.09
Crotonaldehyde	ND	ND	ND	ND	0.0004 u	0.01
Butyr/Isobutyraldehyde	0.13	0.13	0.11	0.11	0.21	0.21
Benzaldehyde	0.01	0.01	0.01	0.01	0.04	0.04
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.002 u	0.003 u	0.003	0.002 u	0.04	0.04
Tolualdehydes	0.002 u	0.004 u	0.003 u	0.002 u	0.03	0.04
Hexaldehyde	0.01	0.01	0.01	0.01	0.05	0.06
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

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SAMPLE #	26832	26833	27002 D1	27002 R1	27003 D2	27003 R2
SAMPLE DATE	4/12/2002	4/13/2002	4/20/2002	4/20/2002	4/20/2002	4/20/2002
ANALYSIS DATE	5/16/2002	5/16/2002	5/22/2002	5/22/2002	5/22/2002	5/22/2002
FILE NAME	F2EO032	F2EO033	F2EU038	F2EU039	F2EU040	F2EU041
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	21.0	0.05	2.26	2.26	0.83	0.83
Acetaldehyde	2.95	0.03	0.80	0.81	0.31	0.30
Acetone	0.35	0.08	1.36	1.36	1.33	1.33
Propionaldehyde	1.44	0.003 u	0.11	0.10	0.07	0.07
Crotonaldehyde	0.08	ND	0.01	0.001 u	0.01	0.0004 u
Butyr/Isobutyraldehyde	0.79	0.11	0.23	0.22	0.13	0.13
Benzaldehyde	0.30	ND	0.02	0.02	0.04	0.04
Isovaleraldehyde	ND	ND	0.002 u	0.004	ND	ND
Valeraldehyde	0.30	0.004	0.04	0.04	0.05	0.05
Tolualdehydes	0.28	0.02	0.02	0.03	0.03	0.04
Hexaldehyde	0.45	0.01	0.05	0.07	0.05	0.06
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

Detroit, Michigan (Dearborn - DEMI/D2MI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	27088	27242 D1	27242 R1	27243 D2	27243 R2	27338
SAMPLE DATE	4/26/2002	4/29/2002	4/29/2002	4/29/2002	4/29/2002	5/5/2002
ANALYSIS DATE	5/23/2002	5/22/2002	5/22/2002	5/22/2002	5/22/2002	5/29/2002
FILE NAME	F2EW007	F2EU047	F2EU048	F2EU049	F2EU050	F2E#012
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.20	0.02 u	0.03	1.15	1.14	2.30
Acetaldehyde	0.85	0.05	0.05	0.62	0.62	1.19
Acetone	1.75	0.07	0.07	1.33	1.33	1.61
Propionaldehyde	0.12	0.003 u	0.003 u	0.08	0.08	0.007
Crotonaldehyde	0.01	ND	ND	0.01	0.01	0.012
Butyr/Isobutyraldehyde	0.21	0.11	0.10	0.19	0.20	0.24
Benzaldehyde	0.03	0.004	0.004	0.03	0.002	0.04
Isovaleraldehyde	ND	0.001 u	0.001 u	0.01	0.003	ND
Valeraldehyde	0.03	0.002 u	0.002 u	0.02	0.02	0.04
Tolualdehydes	0.02	0.001 u	0.001 u	0.01	0.01	0.02
Hexaldehyde	0.05	0.01	0.005	0.02	0.02	0.04
2,5-Dimethylbenzaldehyde	0.0043	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

Detroit, Michigan (Dearborn - DEMI/D2MI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	27404 D1	27404 R1	27405 D2	27405 R2	27494	27649 D2
SAMPLE DATE	5/8/2002	5/8/2002	5/8/2002	5/8/2002	5/11/2002	5/17/2002
ANALYSIS DATE	5/30/2002	5/30/2002	5/30/2002	5/30/2002	5/30/2002	6/9/2002
FILE NAME	F2E#043	F2E#044	F2E#045	F2E#046	F2E#035	F2FG055
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.09	1.09	2.03	2.01	0.02 u	1.19
Acetaldehyde	0.50	0.50	0.61	0.60	0.02	0.49
Acetone	1.01	1.01	1.22	1.21	0.04	1.30
Propionaldehyde	0.002 u	0.07	0.07	0.08	ND	0.07
Crotonaldehyde	0.009	0.009	0.008 u	0.008 u	ND	0.007 u
Butyr/Isobutyraldehyde	0.18	0.18	0.25	0.19	0.09	0.26
Benzaldehyde	0.03	0.03	0.03	0.03	0.00	0.02
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.03	0.02	0.02	ND	0.02
Tolualdehydes	0.03	0.03	0.02	0.02	0.003 u	0.01
Hexaldehyde	0.05	0.04	0.05	0.05	0.01	0.04
2,5-Dimethylbenzaldehyde	0.01	0.01	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

Detroit, Michigan (Dearborn - DEMI/D2MI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	27649 R2	27650 D1	27650 R1	27651 D2	27651 R2	27774
SAMPLE DATE	5/17/2002	5/20/2002	5/20/2002	5/20/2002	5/20/2002	5/23/2002
ANALYSIS DATE	6/9/2002	6/9/2002	6/9/2002	6/9/2002	6/9/2002	6/8/2002
FILE NAME	F2FG056	F2FG062	F2FG063	F2FG064	F2FG065	F2FG036
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.19	2.26	2.25	1.96	1.96	0.92
Acetaldehyde	0.50	0.77	0.77	0.69	0.70	0.39
Acetone	1.31	1.44	1.44	1.37	1.38	0.60
Propionaldehyde	0.002 u	0.003 u	0.11	0.10	0.003 u	0.002 u
Crotonaldehyde	0.009	0.007 u	0.01	0.009	0.008 u	0.01
Butyr/Isobutyraldehyde	0.22	0.25	0.25	0.23	0.23	0.11
Benzaldehyde	0.02	0.03	0.03	0.03	0.02	0.02
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.04	0.04	0.03	0.001 u	0.06
Tolualdehydes	0.02	0.02	0.02	0.02	0.02	0.04
Hexaldehyde	0.04	0.06	0.07	0.05	0.05	0.04
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

Detroit, Michigan (Dearborn - DEMI/D2MI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	27774	27777 D2	27777 R2	27804 D1	27804 R1	27805 D2
SAMPLE DATE	5/23/2002	5/29/2002	5/29/2002	6/1/2002	6/1/2002	6/1/2002
ANALYSIS DATE	6/8/2002	6/21/2002	6/21/2002	6/21/2002	6/21/2002	6/21/2002
FILE NAME	F2FG036	F2FT023	F2FT024	F2FT025	F2FT026	F2FT027
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.92	3.58	3.65	1.02	1.02	3.99
Acetaldehyde	0.39	1.28	1.28	0.41	0.42	1.15
Acetone	0.60	0.54	0.54	0.99	0.99	1.85
Propionaldehyde	0.06	0.21	0.19	0.06	0.06	0.18
Crotonaldehyde	0.01	0.01	0.01	0.006 u	0.01	0.01
Butyr/Isobutyraldehyde	0.11	0.25	0.28	0.25	0.25	0.34
Benzaldehyde	0.02	0.05	0.05	0.02	0.02	0.05
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.06	0.05	0.05	0.001 u	0.02	0.04
Tolualdehydes	0.04	0.02	0.03	0.02	0.02	0.03
Hexaldehyde	0.04	0.07	0.09	0.05	0.04	0.06
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

Detroit, Michigan (Dearborn - DEMI/D2MI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	27805 R2	28037 D1	28037 R1	28038 D2	28038 R2	28039
SAMPLE DATE	6/1/2002	6/13/2002	6/13/2002	6/13/2002	6/13/2002	6/16/2002
ANALYSIS DATE	6/21/2002	7/12/2002	7/12/2002	7/12/2002	7/12/2002	7/12/2002
FILE NAME	F2FT028	F2GK047	F2GK048	F2GK049	F2GK050	F2GK046
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.98	1.94	1.95	3.12	3.11	0.91
Acetaldehyde	1.15	1.05	1.06	1.14	1.14	0.21
Acetone	1.86	0.63	0.64	0.96	0.95	0.17
Propionaldehyde	0.18	0.25	0.25	0.004 u	0.004 u	0.002 u
Crotonaldehyde	0.01	0.02	0.03	0.04	0.04	0.01
Butyr/Isobutyraldehyde	0.32	0.20	0.20	0.12	0.12	0.07
Benzaldehyde	0.06	0.05	0.05	0.05	0.06	0.04
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.04	0.06	0.05	0.001 u	0.04	0.019
Tolualdehydes	0.04	0.06	0.06	0.03	0.03	0.05
Hexaldehyde	0.06	0.10	0.10	0.09	0.09	0.05
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

Detroit, Michigan (Dearborn - DEMI/D2MI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	28424 D2	28424 R2	28425 D1	28425 R1	28449 D2	28449 R2
SAMPLE DATE	6/22/2002	6/22/2002	6/25/2002	6/25/2002	6/25/2002	6/25/2002
ANALYSIS DATE	7/24/2002	7/24/2002	7/24/2002	7/24/2002	7/25/2002	7/25/2002
FILE NAME	F2GX012	F2GX013	F2GX014	F2GX015	F2GX016	F2GX017
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	7.77	7.74	3.43	3.42	6.46	6.48
Acetaldehyde	3.04	3.05	1.58	1.59	2.06	2.08
Acetone	1.18	1.17	2.26	2.25	1.06	1.05
Propionaldehyde	0.55	0.55	0.18	0.18	0.30	0.31
Crotonaldehyde	0.01	0.01	0.009	0.01	0.03	0.02
Butyr/Isobutyraldehyde	0.43	0.43	0.28	0.27	0.36	0.34
Benzaldehyde	0.08	0.09	0.07	0.07	0.09	0.07
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.06	0.06	0.05	0.05	0.05	0.05
Tolualdehydes	0.04	0.04	0.05	0.06	0.04	0.04
Hexaldehyde	0.09	0.08	0.07	0.07	0.09	0.09
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

Detroit, Michigan (Dearborn - DEMI/D2MI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	28523 D2	28523 R2	28528 D2	28528 R2	28526 D1	28526 R1
SAMPLE DATE	6/28/2002	6/28/2002	7/4/2002	7/4/2002	7/7/2002	7/7/2002
ANALYSIS DATE	7/12/2002	7/12/2002	7/12/2002	7/12/2002	7/12/2002	7/12/2002
FILE NAME	V2GK022	V2GK023	V2GK028	V2GK029	V2GK024	V2GK025
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.16	2.17	4.32	4.35	1.32	1.33
Acetaldehyde	0.94	0.95	1.02	1.03	0.71	0.73
Acetone	0.36	0.36	0.86	0.86	0.68	0.69
Propionaldehyde	0.17	0.17	0.13	0.13	0.10	0.10
Crotonaldehyde	0.01	0.02	0.008	0.010	ND	ND
Butyr/Isobutyraldehyde	0.13	0.14	0.09	0.10	0.11	0.12
Benzaldehyde	0.05	0.07	0.05	0.05	0.05	0.07
Isovaleraldehyde	ND	ND	0.01	0.01	ND	ND
Valeraldehyde	0.05	0.06	0.04	0.04	0.04	0.05
Tolualdehydes	0.06	0.04	0.05	0.04	0.07	0.06
Hexaldehyde	0.09	0.07	0.04	0.05	0.07	0.07
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

Detroit, Michigan (Dearborn - DEMI/D2MI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	28527 D2	28527 R2	28664	28784	28785 D1	28785 R1
SAMPLE DATE	7/7/2002	7/7/2002	7/10/2002	7/16/2002	7/19/2002	7/19/2002
ANALYSIS DATE	7/12/2002	7/12/2002	7/18/2002	8/5/2002	8/6/2002	8/6/2002
FILE NAME	V2GK026	V2GK027	V2GQ035	F2HE006	F2HE021	F2HE022
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	5.13	5.17	1.70	3.00	3.56	3.54
Acetaldehyde	1.84	1.86	0.59	1.71	2.03	2.01
Acetone	0.90	0.91	1.01	0.45	0.71	0.71
Propionaldehyde	0.29	0.28	0.08	0.21	0.25	0.25
Crotonaldehyde	0.02	0.02	0.02	0.02	0.01	0.01
Butyr/Isobutyraldehyde	0.17	0.18	0.11	0.20	0.19	0.19
Benzaldehyde	0.08	0.09	0.05	0.08	0.07	0.10
Isovaleraldehyde	0.02	0.02	ND	ND	ND	ND
Valeraldehyde	0.08	0.08	0.05	0.07	0.08	0.09
Tolualdehydes	0.07	0.07	0.03	0.08	0.06	0.05
Hexaldehyde	0.09	ND	0.06	0.10	0.10	0.11
2,5-Dimethylbenzaldehyde	ND	0.08	ND	0.01	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

Detroit, Michigan (Dearborn - DEMI/D2MI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	28786 D2	28786 R2	28941	29027 D1	29027 R1	29028 D2
SAMPLE DATE	7/19/2002	7/19/2002	7/28/2002	7/31/2002	7/31/2002	7/31/2002
ANALYSIS DATE	8/6/2002	8/6/2002	VOID	9/10/2002	9/10/2002	9/10/2002
FILE NAME	F2HE023	F2HE024	VOID	F2II038	F2II039	F2II040
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	6.33	6.38		7.24	7.24	2.83
Acetaldehyde	1.98	1.99		1.63	1.63	0.54
Acetone	0.84	0.84		1.04	1.04	0.17
Propionaldehyde	0.26	0.27		0.27	0.25	0.12
Crotonaldehyde	0.02	0.01		0.02	0.02	0.03
Butyr/Isobutyraldehyde	0.22	0.22		0.26	0.28	0.14
Benzaldehyde	0.08	0.08		0.11	0.12	0.10
Isovaleraldehyde	0.02	0.02		0.01	0.01	ND
Valeraldehyde	0.05	0.05		0.04	0.04	0.15
Tolualdehydes	0.02	0.03		0.08	0.07	0.09
Hexaldehyde	0.07	0.07		0.05	0.06	0.07
2,5-Dimethylbenzaldehyde	ND	ND		ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

Detroit, Michigan (Dearborn - DEMI/D2MI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	29028 R2	29213 D2	29213 R2	29277 D1	29277 R1	29278 D2
SAMPLE DATE	7/31/2002	8/9/2002	8/9/2002	8/19/2002	8/19/2002	8/19/2002
ANALYSIS DATE	9/10/2002	9/10/2002	9/10/2002	9/6/2002	9/6/2002	9/6/2002
FILE NAME	F2II041	F2II048	F2II049	V2ID072	V2ID073	V2ID074
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.81	4.65	4.66	1.80	1.81	1.39
Acetaldehyde	0.59	1.76	1.76	0.61	0.59	0.39
Acetone	0.16	1.20	1.20	0.61	0.60	0.86
Propionaldehyde	0.12	0.22	0.22	0.08	0.08	0.04
Crotonaldehyde	0.03	0.04	0.04	0.02	0.02	0.00
Butyr/Isobutyraldehyde	0.13	0.30	0.30	0.13	0.13	0.16
Benzaldehyde	0.10	0.07	0.07	0.04	0.04	0.02
Isovaleraldehyde	ND	0.02	ND	ND	ND	ND
Valeraldehyde	0.14	0.06	0.05	0.04	0.05	0.01
Tolualdehydes	0.07	0.05	0.06	0.04	0.06	0.01
Hexaldehyde	0.06	0.08	0.09	0.05	0.04	0.01
2,5-Dimethylbenzaldehyde	ND	0.01	0.01	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

Detroit, Michigan (Dearborn - DEMI/D2MI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	29278 R2	29606	29777	29983	30117	30297
SAMPLE DATE	8/19/2002	8/30/2002	9/11/2002	9/23/2002	10/5/2002	10/17/2002
ANALYSIS DATE	9/6/2002	9/17/2002	9/25/2002	10/16/2002	10/24/2002	11/22/2002
FILE NAME	V2ID075	F2IP040	F2IX037	V2JP010	V2JX014	V2KV011
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.43	2.01	1.26	1.83	1.50	1.43
Acetaldehyde	0.40	1.23	0.52	0.84	0.69	0.77
Acetone	0.87	0.81	0.97	1.62	1.28	1.74
Propionaldehyde	0.04	0.13	0.09	0.09	0.08	0.08
Crotonaldehyde	0.01	0.02	0.02	0.02	0.02	0.01
Butyr/Isobutyraldehyde	0.16	0.20	0.17	0.21	0.15	0.13
Benzaldehyde	0.02	0.07	0.03	0.04	0.05	0.05
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.11	0.05	0.05	0.04	0.04
Tolualdehydes	0.01	0.07	0.05	0.03	0.04	0.04
Hexaldehyde	0.01	0.09	0.05	0.05	0.06	0.06
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

Detroit, Michigan (Dearborn - DEMI/D2MI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	#30438	#30630	#30854	31250	31414
SAMPLE DATE	10/29/2002	11/10/2002	11/22/2002	12/16/2002	12/28/2002
ANALYSIS DATE	12/13/2002	12/21/2002	12/31/2002	1/21/2003	2/6/2003
FILE NAME	V2LL033	V2LT020	V2LS024	V3AT025	V3BE013
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.32	1.88	1.29	1.55	1.32
Acetaldehyde	0.69	1.20	0.47	0.47	1.12
Acetone	1.42	0.72	1.11	0.90	1.48
Propionaldehyde	0.08	0.19	0.05	0.04	0.11
Crotonaldehyde	0.01	0.02	0.01	0.01	0.02
Butyr/Isobutyraldehyde	0.13	0.17	0.17	0.14	0.15
Benzaldehyde	0.03	0.04	0.03	0.02	0.04
Isovaleraldehyde	ND	ND	ND	ND	ND
Valeraldehyde	0.04	0.04	0.02	0.01	0.02
Tolualdehydes	0.03	0.03	0.02	0.02	0.02
Hexaldehyde	0.05	0.06	0.03	0.02	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

Detroit (Dearborn), Michigan 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2CL016	Meets
FB ID	Criteria	25411 FB	Criteria
Sample date	per	1/26/2002	
Date Analyzed	QAPP	3/12/2002	(Y/N)
Formaldehyde	<0.3	0.036	Y
Acetaldehyde	<0.4	0.065	Y
Acetone	<0.75	0.203	Y
Propionaldehyde		0.007	
Crotonaldehyde		0.013	
Butyraldehyde		0.082	
Benzaldehyde		0.037	
Isovaleraldehyde		ND	
Valeraldehyde		0.011	
Tolualdehydes		0.043	
Hexaldehyde		0.029	
2,5-Dimethylbenzaldehyde		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.220	Y

Des Moines, Iowa (DMIA) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	25322	25551	25796	26054 D1	26054 R1	26056 D2
SAMPLE DATE	1/20/2002	2/1/2002	2/13/2002	2/25/2002	2/25/2002	2/25/2002
ANALYSIS DATE	3/5/2002	3/19/2002	3/21/2002	4/5/2002	4/5/2002	4/5/2002
FILE NAME	F2CE036	F2CR007	F2CT016	F2DD057	F2DD058	F2DD059
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.68	14.76**	0.51	2.23	2.23	2.42
Acetaldehyde	0.44	6.02	0.31	0.27	0.28	0.27
Acetone	0.94	7.00**	0.59	0.66	0.67	0.55
Propionaldehyde	0.04	0.52	0.03	0.02	0.02	0.01
Crotonaldehyde	0.01 u	0.05	0.01 u	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.13	0.95	0.08	0.07	0.06	0.05
Benzaldehyde	0.04	0.19	0.05	0.04	0.04	0.02
Isovaleraldehyde	0.04	0.05	ND	ND	ND	ND
Valeraldehyde	0.04	0.75	0.03	0.02	0.02	0.01
Tolualdehydes	0.04	0.13	0.04	0.03	0.03	0.05
Hexaldehyde	0.08	1.69	0.10	0.04	0.02	0.01
2,5-Dimethylbenzaldehyde	0.01	0.04	ND	ND	ND	ND

u - Concentration below detection limit

* - Compound diluted 5X.

** - Compound diluted 2X.

Des Moines, Iowa (DMIA) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	26056 R2	26267	26404	26612	26855	27104
SAMPLE DATE	2/25/2002	3/9/2002	3/21/2002	4/2/2002	4/14/2002	4/26/2002
ANALYSIS DATE	4/5/2002	4/19/2002	4/26/2002	5/11/2002	VOID	5/22/2002
FILE NAME	F2DD060	F2DS011	F2DZ005	F2EJ031	VOID	F2EU027
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.42	*23.49	10.83	*40.00		2.16
Acetaldehyde	0.27	4.22	3.10	*10.41		0.67
Acetone	0.56	5.52	4.21	*11.62		1.24
Propionaldehyde	0.02	0.36	0.30	1.06		0.05
Crotonaldehyde	0.01 u	0.07	0.01	0.16		0.01
Butyr/Isobutyraldehyde	0.05	0.72	0.63	1.68		0.21
Benzaldehyde	0.02	0.40	0.21	0.65		0.04
Isovaleraldehyde	ND	0.03	ND	ND		0.004
Valeraldehyde	0.01	0.68	0.37	1.44		0.05
Tolualdehydes	0.02	0.24	0.17	0.67		0.02
Hexaldehyde	0.01	1.57	0.90	2.87		0.10
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND		0.01

u - Concentration below detection limit

* - Compound diluted 5X.

** - Compound diluted 2X.

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SAMPLE #	27429	27706	27841	28010	28317 D1	28317 R1
SAMPLE DATE	5/8/2002	5/20/2002	6/1/2002	6/13/2002	6/25/2002	6/25/2002
ANALYSIS DATE	5/28/2002	6/8/2002	6/20/2002	7/10/2002	7/17/2002	7/17/2002
FILE NAME	F2E!009	F2FG027	F2FT010	V2GJ009	F2GP039	F2GP040
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	8.99	6.54	11.41	11.53	2.27	2.27
Acetaldehyde	1.89	1.52	3.50	2.70	0.69	0.69
Acetone	1.80	2.12	3.54	3.49	0.83	0.82
Propionaldehyde	0.12	0.08	0.20	0.13	0.05	0.05
Crotonaldehyde	0.01	0.01	0.03	0.01	0.01	0.01
Butyr/Isobutyraldehyde	0.27	0.34	0.53	0.30	0.09	0.11
Benzaldehyde	0.10	0.08	0.22	0.19	0.09	0.13
Isovaleraldehyde	0.01	ND	ND	0.02	ND	ND
Valeraldehyde	0.14	0.12	0.25	0.25	0.03	0.04
Tolualdehydes	0.06	0.04	0.08	0.09	0.06	0.07
Hexaldehyde	0.34	0.19	0.48	0.52	0.07	0.07
2,5-Dimethylbenzaldehyde	0.01	0.01	0.02	0.01	ND	ND

u - Concentration below detection limit

* - Compound diluted 5X.

** - Compound diluted 2X.

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SAMPLE #	28318 D2	28318 R2
SAMPLE DATE	6/25/2002	6/25/2002
ANALYSIS DATE	7/17/2002	7/17/2002
FILE NAME	F2GP041	F2GP042
UNITS	ppbv	ppbv
Formaldehyde	2.35	2.35
Acetaldehyde	0.70	0.70
Acetone	0.72	0.72
Propionaldehyde	0.05	0.05
Crotonaldehyde	ND	ND
Butyr/Isobutyraldehyde	0.08	0.07
Benzaldehyde	ND	ND
Isovaleraldehyde	ND	ND
Valeraldehyde	0.02	0.01
Tolualdehydes	0.06	0.06
Hexaldehyde	0.04	0.04
2,5-Dimethylbenzaldehyde	ND	ND

u - Concentration below detection limit

* - Compound diluted 5X.

** - Compound diluted 2X.

Des Moines, Iowa (DMIA) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	25322	25551	25796	26054 D1	26054 R1	26056 D2
SAMPLE DATE	1/20/2002	2/1/2002	2/13/2002	2/25/2002	2/25/2002	2/25/2002
ANALYSIS DATE	3/5/2002	3/19/2002	3/21/2002	4/5/2002	4/5/2002	4/5/2002
FILE NAME	F2CE036	F2CR007	F2CT016	F2DD057	F2DD058	F2DD059
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	0.84	18.20**	0.63	2.75	2.75	2.99
Acetaldehyde	0.80	10.87	0.56	0.48	0.50	0.48
Acetone	2.25	16.65**	1.40	1.57	1.60	1.30
Propionaldehyde	0.10	1.25	0.07	0.04	0.05	0.03
Crotonaldehyde	0.03 u	0.16	0.03 u	0.02 u	0.02 u	0.01 u
Butyr/Isobutyraldehyde	0.37	2.82	0.24	0.19	0.19	0.15
Benzaldehyde	0.19	0.83	0.20	0.16	0.16	0.08
Isovaleraldehyde	0.14	0.18	ND	ND	ND	ND
Valeraldehyde	0.15	2.65	0.11	0.07	0.06	0.04
Tolualdehydes	0.20	0.62	0.17	0.15	0.16	0.25
Hexaldehyde	0.33	6.94	0.42	0.17	0.10	0.06
2,5-Dimethylbenzaldehyde	0.06	0.24	ND	ND	ND	ND

u - Concentration below detection limit

* - Compound diluted 5X.

** - Compound diluted 2X.

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SAMPLE #	26056 R2	26267	26404	26612	26855	27104
SAMPLE DATE	2/25/2002	3/9/2002	3/21/2002	4/2/2002	4/14/2002	4/26/2002
ANALYSIS DATE	4/5/2002	4/19/2002	4/26/2002	5/11/2002	VOID	5/22/2002
FILE NAME	F2DD060	F2DS011	F2DZ005	F2EJ031	VOID	F2EU027
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	2.98	*28.96	13.35	*49.31		2.66
Acetaldehyde	0.49	7.61	5.59	*18.79		1.20
Acetone	1.34	13.13	10.03	*27.65		2.96
Propionaldehyde	0.04	0.86	0.71	2.52		0.12
Crotonaldehyde	0.02 u	0.19	0.03	0.46		0.03
Butyr/Isobutyraldehyde	0.15	2.13	1.86	4.96		0.62
Benzaldehyde	0.08	1.75	0.93	2.84		0.17
Isovaleraldehyde	ND	0.12	ND	ND		0.01
Valeraldehyde	0.04	2.39	1.32	5.09		0.18
Tolualdehydes	0.11	1.20	0.85	3.29		0.09
Hexaldehyde	0.05	6.45	3.69	11.77		0.42
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND		0.03

u - Concentration below detection limit

* - Compound diluted 5X.

** - Compound diluted 2X.

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SAMPLE #	27429	27706	27841	28010	28317 D1	28317 R1
SAMPLE DATE	5/8/2002	5/20/2002	6/1/2002	6/13/2002	6/25/2002	6/25/2002
ANALYSIS DATE	5/28/2002	6/8/2002	6/20/2002	7/10/2002	7/17/2002	7/17/2002
FILE NAME	F2E!009	F2FG027	F2FT010	V2GJ009	F2GP039	F2GP040
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	11.08	8.07	14.07	14.22	2.80	2.79
Acetaldehyde	3.40	2.75	6.32	4.87	1.25	1.24
Acetone	4.27	5.05	8.42	8.31	1.97	1.96
Propionaldehyde	0.28	0.19	0.47	0.32	0.12	0.12
Crotonaldehyde	0.03	0.03	0.07	0.03	0.02	0.03
Butyr/Isobutyraldehyde	0.78	0.99	1.58	0.89	0.26	0.31
Benzaldehyde	0.45	0.36	0.94	0.84	0.41	0.58
Isovaleraldehyde	0.02	ND	ND	0.06	ND	ND
Valeraldehyde	0.50	0.43	0.89	0.88	0.12	0.14
Tolualdehydes	0.32	0.19	0.37	0.45	0.32	0.33
Hexaldehyde	1.38	0.77	1.98	2.14	0.28	0.30
2,5-Dimethylbenzaldehyde	0.05	0.07	0.10	0.06	ND	ND

u - Concentration below detection limit

* - Compound diluted 5X.

** - Compound diluted 2X.

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SAMPLE #	28318 D2	28318 R2
SAMPLE DATE	6/25/2002	6/25/2002
ANALYSIS DATE	7/17/2002	7/17/2002
FILE NAME	F2GP041	F2GP042
UNITS	ug/m3	ug/m3
Formaldehyde	2.90	2.90
Acetaldehyde	1.26	1.26
Acetone	1.71	1.72
Propionaldehyde	0.12	0.12
Crotonaldehyde	ND	ND
Butyr/Isobutyraldehyde	0.23	0.20
Benzaldehyde	ND	ND
Isovaleraldehyde	ND	ND
Valeraldehyde	0.08	0.05
Tolualdehydes	0.27	0.31
Hexaldehyde	0.16	0.15
2,5-Dimethylbenzaldehyde	ND	ND

u - Concentration below detection limit

* - Compound diluted 5X.

** - Compound diluted 2X.

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(µg/cartridge)

Data File ID	Acceptance	F2CE035	Meets	F2CR006	Meets	F2DS010	Meets
FB ID	Criteria	25321	Criteria	25550	Criteria	26266	Criteria
Sample date	per	1/20/2002		2/1/2002		3/9/2002	
Date Analyzed	QAPP	3/5/2002	(Y/N)	3/19/2002	(Y/N)	4/19/2002	(Y/N)
Formaldehyde	<0.3	0.05	Y	0.04	Y	0.05	Y
Acetaldehyde	<0.4	0.04	Y	0.07	Y	0.07	Y
Acetone	<0.75	0.20	Y	0.21	Y	0.23	Y
Propionaldehyde		ND		ND		0.01	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.13		0.10		0.02	
Benzaldehyde		0.01		0.02		0.01	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.01		0.01		ND	
Tolualdehydes		0.05		0.04		0.05	
Hexaldehyde		0.02		0.02		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.217	Y	0.178	Y	0.109	Y

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(µg/cartridge)

Data File ID	Acceptance	F2EO015	Meets	F2E!008	Meets	V2GJ008	Meets
FB ID	Criteria	26854 FB	Criteria	27428 FB	Criteria	28009 FB	Criteria
Sample date	per	4/14/2002		5/8/2002		6/13/2002	
Date Analyzed	QAPP	5/15/2002	(Y/N)	5/28/2002	(Y/N)	7/10/2002	(Y/N)
Formaldehyde	<0.3	0.14	Y	0.05	Y	0.07	Y
Acetaldehyde	<0.4	0.12	Y	0.13	Y	0.14	Y
Acetone	<0.75	0.50	Y	0.17	Y	0.17	Y
Propionaldehyde		0.01		0.01		0.01	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.54		0.16		0.03	
Benzaldehyde		0.02		0.02		ND	
Isovaleraldehyde		ND		ND		0.01	
Valeraldehyde		0.01		0.02		0.02	
Tolualdehydes		0.17		0.05		0.05	
Hexaldehyde		0.03		0.03		0.03	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.788	Y	0.288	Y	0.154	Y

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SAMPLE NUMBER	24981 D1	24981 R1	24982 D2	24982 R2	25026	25173 D1
SAMPLE DATE	1/2/2002	1/2/2002	1/2/2002	1/2/2002	1/8/2002	1/14/2002
ANALYSIS DATE	1/24/2002	1/24/2002	1/24/2002	1/24/2002	1/23/2002	1/30/2002
FILE NAME	F2AW037	F2AW038	F2AW039	F2AW040	F2AW014	F2A#038
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.14	2.20	2.16	2.15	*54.59	2.23
Acetaldehyde	1.13	1.14	1.10	1.09	4.75	1.20
Acetone	0.71	0.73	0.59	0.61	3.38	0.21
Propionaldehyde	0.09	0.09	0.08	0.09	0.36	0.15
Crotonaldehyde	0.01 u	0.005 u	0.004 u	0.005 u	0.06	0.01 u
Butyr/Isobutyraldehyde	0.09	0.10	0.07	0.09	0.47	0.11
Benzaldehyde	0.04	0.03	0.04	0.04	0.32	0.04
Isovaleraldehyde	ND	ND	ND	ND	0.03	ND
Valeraldehyde	0.03	0.02	0.02	0.02	0.68	0.03
Tolualdehydes	0.03	0.03	0.03	0.03	0.61	0.04
Hexaldehyde	0.04	0.03	0.03	0.03	2.27	0.04
2,5-Dimethylbenzaldehyde	0.01	0.01	0.01	0.01	0.03	ND

u - Concentration is below the detection limit.

* - Compound was diluted 5X.

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SAMPLE NUMBER	25173 R1	25174 D2	25174 R2	25326	25454 D1	25454 R1
SAMPLE DATE	1/14/2002	1/14/2002	1/14/2002	1/20/2002	1/26/2002	1/26/2002
ANALYSIS DATE	1/30/2002	1/30/2002	1/30/2002	3/5/2002	3/15/2002	3/15/2002
FILE NAME	F2A#039	F2A#040	F2A#041	F2CE026	F2CL097	F2CL098
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.23	2.32	2.31	1.95	2.01	2.02
Acetaldehyde	1.20	1.20	1.19	0.82	0.95	0.95
Acetone	0.22	0.21	0.21	0.44	0.41	0.40
Propionaldehyde	0.15	0.16	0.16	0.10	0.14	0.13
Crotonaldehyde	0.01 u	0.01 u	0.01	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.11	0.12	0.12	0.17	0.13	0.13
Benzaldehyde	0.04	0.04	0.04	0.04	0.05	0.05
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.03	0.03	0.02	0.03	0.03
Tolualdehydes	0.04	0.05	0.04	0.03	0.04	0.03
Hexaldehyde	0.04	0.04	0.04	0.05	0.05	0.05
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

* - Compound was diluted 5X.

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SAMPLE NUMBER	25455 D2	25455 R2	25580	25691 D1	25691 R1	25692 D2
SAMPLE DATE	1/26/2002	1/26/2002	2/1/2002	2/7/2002	2/7/2002	2/7/2002
ANALYSIS DATE	3/15/2002	3/15/2002	3/15/2002	3/22/2002	3/22/2002	3/22/2002
FILE NAME	F2CL099	F2CL100	F2CO007	F2CT041	F2CT042	F2CT043
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.95	1.94	2.73	1.61	1.60	1.60
Acetaldehyde	0.92	0.91	1.17	0.68	0.68	0.66
Acetone	0.37	0.38	0.27	0.39	0.39	0.39
Propionaldehyde	0.13	0.13	0.14	0.03	0.03	0.03
Crotonaldehyde	0.01 u	0.01 u	0.01 u	ND	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.12	0.12	0.10	0.06	0.06	0.06
Benzaldehyde	0.04	0.03	0.07	0.02	0.02	0.02
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.02	0.03	0.01	0.01	0.00
Tolualdehydes	0.03	0.03	0.03	0.01	0.01	0.01
Hexaldehyde	0.04	0.04	0.06	0.02	0.01	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

* - Compound was diluted 5X.

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SAMPLE NUMBER	25692 R2	25831	25884 D1	25884 R1	25885 D2	25885 R2
SAMPLE DATE	2/7/2002	2/13/2002	2/19/2002	2/19/2002	2/19/2002	2/19/2002
ANALYSIS DATE	3/22/2002	4/1/2002	4/3/2002	4/3/2002	4/3/2002	4/3/2002
FILE NAME	F2CT044	F2DA008	F2DD014	F2DD015	F2DD016	F2DD017
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.59	3.70	2.75	2.75	2.58	2.63
Acetaldehyde	0.65	1.57	1.13	1.13	1.05	1.06
Acetone	0.39	1.84	0.56	0.57	0.47	0.51
Propionaldehyde	0.03	0.11	0.10	0.10	0.06	0.15
Crotonaldehyde	0.005 u	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.06	0.14	0.10	0.09	0.08	0.08
Benzaldehyde	0.02	0.05	0.03	0.04	0.03	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	0.15
Valeraldehyde	0.01	0.03	0.02	0.02	0.01	0.02
Tolualdehydes	0.01	0.04	0.03	0.03	0.03	0.03
Hexaldehyde	0.02	0.02	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

* - Compound was diluted 5X.

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SAMPLE NUMBER	26122	26131 D1	26131 R1	26132 D2	26132 R2	26362
SAMPLE DATE	2/25/2002	3/3/2002	3/3/2002	3/3/2002	3/3/2002	3/9/2002
ANALYSIS DATE	4/9/2002	4/14/2002	4/14/2002	4/14/2002	4/14/2002	4/20/2002
FILE NAME	F2DI007	F2DL057	F2DL058	F2DL059	F2DL060	F2DS040
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.07	1.90	1.90	1.94	1.93	2.69
Acetaldehyde	1.49	1.01	1.01	0.99	0.99	1.29
Acetone	0.91	0.38	0.39	0.36	0.36	0.25
Propionaldehyde	0.10	0.04	0.04	0.04	0.04	0.16
Crotonaldehyde	0.01 u	0.005 u	0.004 u	0.004 u	0.004 u	0.01 u
Butyr/Isobutyraldehyde	0.08	0.04	0.04	0.04	0.04	0.13
Benzaldehyde	0.04	0.02	0.02	0.02	0.02	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.01	0.01	0.01	0.00	0.05
Tolualdehydes	0.03	0.01	0.02	0.02	0.01	0.03
Hexaldehyde	0.02	0.01	0.01	0.01	0.01	0.04
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

* - Compound was diluted 5X.

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SAMPLE NUMBER	26366 D1	26366 R1	26367 D2	26367 R2	26432	26520 D1
SAMPLE DATE	3/15/2002	3/15/2002	3/15/2002	3/15/2002	3/21/2002	3/27/2002
ANALYSIS DATE	4/23/2002	4/23/2002	4/23/2002	4/23/2002	4/29/2002	4/30/2002
FILE NAME	F2DV022	F2DV023	F2DV024	F2DV025	F2D#011	F2D#025
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.27	3.25	3.05	3.05	*36.88	2.01
Acetaldehyde	1.61	1.60	1.53	1.52	1.80	0.84
Acetone	0.44	0.44	0.34	0.34	1.62	0.45
Propionaldehyde	0.17	0.17	0.18	0.18	0.10	0.04
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.01 u	0.02	0.01 u
Butyr/Isobutyraldehyde	0.28	0.29	0.27	0.27	0.28	0.10
Benzaldehyde	0.06	0.08	0.06	0.06	0.16	0.04
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.08	0.10	0.09	0.09	0.23	0.01
Tolualdehydes	0.04	0.04	0.04	0.05	0.07	0.02
Hexaldehyde	0.04	0.04	0.04	0.05	0.74	0.02
2,5-Dimethylbenzaldehyde	0.00	ND	ND	0.00	0.01	ND

u - Concentration is below the detection limit.

* - Compound was diluted 5X.

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SAMPLE NUMBER	26520 R1	26521 D2	26521 R2	26636	26689 D1	26689 R1
SAMPLE DATE	3/27/2002	3/27/2002	3/27/2002	4/2/2002	4/8/2002	4/8/2002
ANALYSIS DATE	4/30/2002	4/30/2002	4/30/2002	5/11/2002	5/14/2002	5/14/2002
FILE NAME	F2D#026	F2D#027	F2D#028	F2EJ033	F2EM044	F2EM045
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.01	1.99	1.99	3.79	3.06	3.16
Acetaldehyde	0.83	0.81	0.82	1.81	0.99	1.02
Acetone	0.45	0.44	0.44	0.75	0.46	0.46
Propionaldehyde	0.03	0.05	0.04	0.21	0.04	0.04
Crotonaldehyde	0.005 u	0.004 u	0.01 u	0.03	0.005 u	0.004 u
Butyr/Isobutyraldehyde	0.11	0.12	0.12	0.23	0.17	0.18
Benzaldehyde	0.04	0.03	0.04	0.10	0.03	0.03
Isovaleraldehyde	ND	ND	ND	0.01	ND	ND
Valeraldehyde	0.02	0.01	0.01	0.04	0.01	0.01
Tolualdehydes	0.02	0.02	0.01	0.06	0.01 u	0.01
Hexaldehyde	0.02	0.02	0.02	0.09	0.06	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

* - Compound was diluted 5X.

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SAMPLE NUMBER	26690 D2	26690 R2	26962	27046 D1	27046 R1	27047 D2
SAMPLE DATE	4/8/2002	4/8/2002	4/14/2002	4/20/2002	4/20/2002	4/20/2002
ANALYSIS DATE	5/14/2002	5/14/2002	5/19/2002	5/22/2002	5/22/2002	5/22/2002
FILE NAME	F2EM046	F2EM047	F2ES020	F2EU042	F2EU043	F2EU045
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.70	3.70	3.51	3.20	3.20	3.09
Acetaldehyde	1.18	1.15	1.27	1.15	1.12	1.09
Acetone	0.48	0.49	0.42	0.36	0.36	0.31
Propionaldehyde	0.06	0.05	0.09	0.06	0.06	0.07
Crotonaldehyde	0.01 u	0.01 u	0.004 u	ND	0.01 u	0.005 u
Butyr/Isobutyraldehyde	0.19	0.18	0.20	0.23	0.23	0.20
Benzaldehyde	0.03	0.03	0.05	0.06	0.04	0.04
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.01	0.02	0.02	0.02	0.02
Tolualdehydes	0.01	0.01 u	0.02	0.02	0.02	0.02
Hexaldehyde	0.01	0.01	0.02	0.01	0.02	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

* - Compound was diluted 5X.

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SAMPLE NUMBER	27047 R2	27300	27379 D1	27379 R1	27380 D2	27380 R2
SAMPLE DATE	4/20/2002	4/26/2002	5/2/2002	5/2/2002	5/2/2002	5/2/2002
ANALYSIS DATE	5/22/2002	5/24/2002	5/30/2002	5/30/2002	5/30/2002	5/30/2002
FILE NAME	F2EU046	F2EW020	F2E#039	F2E#040	F2E#041	F2E#042
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.17	4.40	2.54	2.54	2.65	2.68
Acetaldehyde	1.10	1.48	0.93	1.03	1.02	0.93
Acetone	0.32	0.62	0.40	0.39	0.37	0.37
Propionaldehyde	0.07	0.08	0.09	0.09	0.08	0.08
Crotonaldehyde	0.005 u	0.004 u	0.02	0.02	0.02	0.02
Butyr/Isobutyraldehyde	0.20	0.20	0.30	0.28	0.26	0.25
Benzaldehyde	0.04	0.05	0.07	0.07	0.07	0.06
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.02	0.02	0.02	0.02	0.02
Tolualdehydes	0.02	0.07	0.03	0.02	0.02	0.02
Hexaldehyde	0.02	0.02	0.02	0.03	0.03	0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

* - Compound was diluted 5X.

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SAMPLE NUMBER	*27435	27659 D1	27659 R1	27660 D2	27660 R2	27662
SAMPLE DATE	5/8/2002	5/14/2002	5/14/2002	5/14/2002	5/14/2002	5/20/2002
ANALYSIS DATE	5/30/2002	6/9/2002	6/9/2002	6/9/2002	6/9/2002	6/8/2002
FILE NAME	F2E#022	F2FG057	F2FG058	F2FG059	F2FG060	F2FG032
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	6.97	3.16	3.15	3.08	3.09	3.45
Acetaldehyde	1.05	0.93	0.92	0.90	0.90	0.96
Acetone	0.09	0.81	0.81	0.79	0.77	0.68
Propionaldehyde	0.04	0.05	0.05	0.05	0.04	0.04
Crotonaldehyde	ND	0.004 u	0.004 u	ND	ND	ND
Butyr/Isobutyraldehyde	0.04	0.26	0.28	0.26	0.26	0.24
Benzaldehyde	0.18	0.03	0.02	0.02	0.02	0.02
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	ND	0.01	0.01	0.01	0.01	0.01
Tolualdehydes	0.03	0.02	0.01	0.02	0.02	0.01
Hexaldehyde	0.14	0.02	0.02	0.02	0.02	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

* - Compound was diluted 5X.

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SAMPLE NUMBER	27793 D1	27793 R1	27794 D2	27794 R2	27856	27969 D1
SAMPLE DATE	5/26/2002	5/26/2002	5/26/2002	5/26/2002	6/1/2002	6/7/2002
ANALYSIS DATE	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/12/2002	VOID
FILE NAME	F2FQ014	F2FQ015	F2FQ012	F2FQ013	F2FL010	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.23	3.11	2.89	3.09	3.73	
Acetaldehyde	1.10	1.07	1.07	1.08	1.22	
Acetone	0.45	0.45	0.41	0.41	0.35	
Propionaldehyde	0.04	0.04	0.04	0.04	0.07	
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.005 u	0.01 u	
Butyr/Isobutyraldehyde	0.22	0.23	0.19	0.20	0.24	
Benzaldehyde	0.03	0.03	0.04	0.04	0.04	
Isovaleraldehyde	ND	ND	ND	ND	0.01	
Valeraldehyde	0.01	0.01	0.01	0.01	0.02	
Tolualdehydes	0.02	0.02	0.02	0.01	0.03	
Hexaldehyde	0.02	0.03	0.02	0.01	0.03	
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	

u - Concentration is below the detection limit.

* - Compound was diluted 5X.

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SAMPLE NUMBER	27970 D2	28187	28235 D1	28235 R1	28236 D2	28236 R2
SAMPLE DATE	6/7/2002	6/13/2002	6/19/2002	6/19/2002	6/19/2002	6/19/2002
ANALYSIS DATE	7/10/2002	VOID	7/24/2002	7/24/2002	7/24/2002	7/24/2002
FILE NAME	V2GI027	VOID	F2GX008	F2GX009	F2GX010	F2GX011
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.59		3.71	3.65	3.50	3.50
Acetaldehyde	0.83		1.11	1.11	1.05	1.05
Acetone	0.37		0.32	0.30	0.25	0.25
Propionaldehyde	0.10		0.07	0.06	0.07	0.08
Crotonaldehyde	0.25		ND	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.03		0.09	0.19	0.17	0.16
Benzaldehyde	0.03		0.05	0.06	0.06	0.06
Isovaleraldehyde	ND		ND	ND	ND	ND
Valeraldehyde	0.01		0.01	0.01	0.01	0.01
Tolualdehydes	0.05		0.02	0.02	0.02	0.02
Hexaldehyde	0.02		0.02	0.01	0.01	0.01
2,5-Dimethylbenzaldehyde	ND		ND	ND	ND	ND

u - Concentration is below the detection limit.

* - Compound was diluted 5X.

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SAMPLE NUMBER	28423	28481 D1	28481 R1	28482 D2	28482 R2	28653
SAMPLE DATE	6/25/2002	7/1/2002	7/1/2002	7/1/2002	7/1/2002	7/7/2002
ANALYSIS DATE	7/17/2002	7/17/2002	7/17/2002	7/17/2002	7/17/2002	7/18/2002
FILE NAME	F2GP025	V2GP021	V2GP022	V2GP023	V2GP024	V2GQ024
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.81	2.43	2.43	2.36	2.35	3.14
Acetaldehyde	1.13	0.85	0.85	0.81	0.81	1.23
Acetone	0.48	0.35	0.35	0.28	0.28	0.39
Propionaldehyde	0.06	0.04	0.04	0.04	0.04	0.08
Crotonaldehyde	ND	0.10	0.10	0.09	0.09	0.005 u
Butyr/Isobutyraldehyde	0.28	0.03 u	0.04 u	0.03 u	0.03 u	0.30
Benzaldehyde	0.08	0.04	0.04	0.04	0.04	0.09
Isovaleraldehyde	ND	ND	ND	ND	ND	0.01
Valeraldehyde	0.01	0.01	0.01	0.01	0.01	0.02
Tolualdehydes	0.03	0.03	0.03	0.02	0.04	0.04
Hexaldehyde	0.01	0.03	0.03	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

* - Compound was diluted 5X.

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SAMPLE NUMBER	28761 D1	28762 D2	28922
SAMPLE DATE	7/13/2002	7/13/2002	7/19/2002
ANALYSIS DATE	VOID	8/1/2002	VOID
FILE NAME	VOID	F2G\$051	VOID
UNITS	ppbv	ppbv	ppbv
Formaldehyde		1.70	
Acetaldehyde		0.58	
Acetone		0.26	
Propionaldehyde		0.02	
Crotonaldehyde		ND	
Butyr/Isobutyraldehyde		0.11	
Benzaldehyde		0.02	
Isovaleraldehyde		ND	
Valeraldehyde		0.01	
Tolualdehydes		0.01	u
Hexaldehyde		0.01	
2,5-Dimethylbenzaldehyde		ND	

u - Concentration is below the detection limit.

* - Compound was diluted 5X.

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(µg/cartridge)

Data File ID	Acceptance	F2CE025	Meets	F2DA017	Meets	F2DS039	Meets
FB ID	Criteria	25325 FB	Criteria	25883 FB	Criteria	26361 FB	Criteria
Sample date	per	1/20/2002		2/19/2002		3/9/2002	
Date Analyzed	QAPP	3/5/2002	(Y/N)	4/2/2002	(Y/N)	4/20/2002	(Y/N)
Formaldehyde	<0.3	0.050	Y	0.044	Y	0.062	Y
Acetaldehyde	<0.4	0.103	Y	0.068	Y	0.032	Y
Acetone	<0.75	0.187	Y	0.247	Y	0.214	Y
Propionaldehyde		0.010		0.005		0.005	
Crotonaldehyde		ND		0.012		ND	
Butyraldehyde		0.173		0.112		0.074	
Benzaldehyde		0.017		0.019		0.015	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		ND		0.011		0.004	
Tolualdehydes		0.078		0.030		0.034	
Hexaldehyde		0.022		0.019		0.020	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.300	Y	0.205	Y	0.151	Y

St. Petersburg (Dunedin MS), Florida 2002 UATMP Carbonyl Annual Data Report

(ug/cartridge)

Data File ID	Acceptance Criteria per QAPP	F2DV012 26365 FB 3/15/2002 4/23/2002	Meets Criteria (Y/N)	F2ES019 26961 FB 4/14/2002 5/19/2002	Meets Criteria (Y/N)	F2EU055 27045 FB 4/20/2002 5/22/2002	Meets Criteria (Y/N)
FB ID							
Sample date							
Date Analyzed							
Formaldehyde	<0.3	0.080	Y	0.070	Y	0.042	Y
Acetaldehyde	<0.4	0.040	Y	0.036	Y	0.034	Y
Acetone	<0.75	0.202	Y	0.233	Y	0.222	Y
Propionaldehyde		ND		0.005		ND	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.575		0.247		0.271	
Benzaldehyde		0.017		0.012		0.014	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.009		ND		0.009	
Tolualdehydes		0.034		0.022		0.014	
Hexaldehyde		0.015		0.016		0.017	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.649	Y	0.301	Y	0.323	Y

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(ug/cartridge)

Data File ID	Acceptance	F2E#021	Meets	F2FQ008	Meets	F2GK037	Meets
FB ID	Criteria	27434 FB	Criteria	27792 FB	Criteria	28186 FB	Criteria
Sample date	per	5/8/2002		5/26/2002		6/13/2002	
Date Analyzed	QAPP	5/30/2002	(Y/N)	6/17/2002	(Y/N)	7/12/2002	(Y/N)
Formaldehyde	<0.3	0.047	Y	0.031	Y	0.034	Y
Acetaldehyde	<0.4	0.039	Y	0.036	Y	0.069	Y
Acetone	<0.75	0.180	Y	0.203	Y	0.215	Y
Propionaldehyde		ND		ND		0.008	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.324		0.205		0.017	
Benzaldehyde		0.016		0.014		0.014	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.009		0.008		0.005	
Tolualdehydes		0.026		0.018		0.029	
Hexaldehyde		0.021		0.020		0.023	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.394	Y	0.264	Y	0.094	Y

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(µg/cartridge)

Data File ID	Acceptance	F2GX005	Meets	V2GQ025	Meets
FB ID	Criteria	28234 FB	Criteria	28652 FB	Criteria
Sample date	per	6/19/2002		7/7/2002	
Date Analyzed	QAPP	7/24/2002	(Y/N)	7/18/2002	(Y/N)
Formaldehyde	<0.3	0.041	Y	0.067	Y
Acetaldehyde	<0.4	0.060	Y	0.059	Y
Acetone	<0.75	0.222	Y	0.176	Y
Propionaldehyde		ND		0.006	
Crotonaldehyde		ND		0.009	
Butyraldehyde		0.099		0.010	
Benzaldehyde		0.018		0.009	
Isovaleraldehyde		ND		ND	
Valeraldehyde		0.010		0.003	
Tolualdehydes		0.039		0.019	
Hexaldehyde		0.022		0.017	
2,5-Dimethylbenzaldehyde		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.186	Y	0.071	Y

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SAMPLE #	27023	27383	27502	27753	27927	28252 D1
SAMPLE DATE	4/20/2002	5/2/2002	5/14/2002	5/26/2002	6/7/2002	6/19/2002
ANALYSIS DATE	VOID	VOID	6/4/2002	6/11/2002	6/26/2002	7/17/2002
FILE NAME	VOID	VOID	F2FC027	F2FJ034	F2FZ012	F2GP030
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde			1.62	2.33	2.61	4.92
Acetaldehyde			0.83	1.05	1.03	1.63
Acetone			1.60	0.53	0.66	0.75
Propionaldehyde			0.15	0.19	0.15	0.35
Crotonaldehyde			0.01 u	0.01 u	0.01 u	0.01
Butyr/Isobutyraldehyde			0.23	0.18	0.20	0.15
Benzaldehyde			0.03	0.05	0.05	0.09
Isovaleraldehyde			ND	ND	ND	ND
Valeraldehyde			0.05	0.06	0.04	0.06
Tolualdehydes			0.07	0.04	0.02	0.06
Hexaldehyde			0.05	0.06	0.03	0.08
2,5-Dimethylbenzaldehyde			ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

Nashville, Tennessee (Site 1 - EATN) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	28252 R1	28254 D2	28254 R2	28626	28716	28931
SAMPLE DATE	6/19/2002	6/19/2002	6/19/2002	7/7/2002	7/13/2002	7/25/2002
ANALYSIS DATE	7/17/2002	7/17/2002	7/17/2002	7/18/2002	7/31/2002	8/7/2002
FILE NAME	F2GP031	F2GP032	F2GP033	V2GQ021	F2G\$024	F2HF015
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	4.92	5.03	5.04	5.50	2.11	3.84
Acetaldehyde	1.63	1.69	1.72	1.52	0.81	0.87
Acetone	0.74	1.00	0.99	0.68	0.42	0.37
Propionaldehyde	0.34	0.36	0.36	0.26	0.14	0.19
Crotonaldehyde	0.01 u	0.02	0.02	0.01 u	ND	0.01 u
Butyr/Isobutyraldehyde	0.14	0.16	0.16	0.12	0.14	0.13
Benzaldehyde	0.08	0.08	0.08	0.07	0.04	0.05
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.06	0.06	0.06	0.05	0.03	0.03
Tolualdehydes	0.06	0.09	0.06	0.08	0.03	0.05
Hexaldehyde	0.09	0.12	0.08	0.06	0.05	0.06
2,5-Dimethylbenzaldehyde	ND	0.03	ND	0.04	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

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SAMPLE #	29102	29291	29676	29788	29965	30109
SAMPLE DATE	8/6/2002	8/18/2002	8/30/2002	9/11/2002	9/23/2002	10/5/2002
ANALYSIS DATE	9/10/2002	9/5/2002	9/19/2002	10/2/2002	VOID	10/25/2002
FILE NAME	F2II024	V2ID055	V2IR038	F2JB006	VOID	V2JX018
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	4.76	3.44	3.23	6.27		2.16
Acetaldehyde	1.12	0.81	1.23	2.24		0.86
Acetone	0.62	0.34	0.42	0.82		0.71
Propionaldehyde	0.23	0.15	0.25	0.43		0.09
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.02		0.005 u
Butyr/Isobutyraldehyde	0.14	0.14	0.16	0.26		0.10
Benzaldehyde	0.06	0.06	0.04	0.14		0.02
Isovaleraldehyde	ND	ND	ND	ND		ND
Valeraldehyde	0.04	0.03	0.04	0.08		0.03
Tolualdehydes	0.07	0.09	0.04	0.10		0.04
Hexaldehyde	0.06	0.06	0.05	0.08		0.03
2,5-Dimethylbenzaldehyde	0.02	ND	0.01	ND		ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

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SAMPLE #	30282 D1	30282 R1	30284 D2	30284 R2	30436	#30580
SAMPLE DATE	10/17/2002	10/17/2002	10/17/2002	10/17/2002	10/29/2002	11/10/2002
ANALYSIS DATE	11/6/2002	11/6/2002	11/6/2002	11/6/2002	11/26/2002	12/21/2002
FILE NAME	V2KE024	V2KE025	V2KE026	V2KE027	V2KY020	V2LT025
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.02	2.02	2.03	2.03	1.16	1.73
Acetaldehyde	0.78	0.78	0.78	0.78	0.62	0.77
Acetone	2.01	2.04	2.65	2.71	0.60	0.43
Propionaldehyde	0.08	0.06	0.07	0.09	0.06	0.12
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.01 u	0.004 u	0.003 u
Butyr/Isobutyraldehyde	0.13	0.13	0.14	0.13	0.08	0.09
Benzaldehyde	0.06	0.06	0.06	0.06	0.04	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.03	0.03	0.03	0.02	0.02
Tolualdehydes	0.06	0.06	0.06	0.06	0.02	0.01
Hexaldehyde	0.04	0.04	0.04	0.03	0.02	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

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SAMPLE #	#30827	30928	31258
SAMPLE DATE	11/22/2002	12/4/2002	12/16/2002
ANALYSIS DATE	12/24/2002	1/9/2003	1/22/2003
FILE NAME	V2LW050	V3AH043	V3AU026
UNITS	ppbv	ppbv	ppbv
Formaldehyde	1.78	0.95	3.73
Acetaldehyde	0.57	0.71	1.38
Acetone	0.85	0.90	1.51
Propionaldehyde	0.05	0.07	0.16
Crotonaldehyde	0.005 u	0.01 u	0.02
Butyr/Isobutyraldehyde	0.09	0.09	0.17
Benzaldehyde	0.02	0.02	0.07
Isovaleraldehyde	ND	ND	ND
Valeraldehyde	0.02	0.02	0.04
Tolualdehydes	0.02	0.01	0.05
Hexaldehyde	0.02	0.03	0.04
2,5-Dimethylbenzaldehyde	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

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(µg/cartridge)

Data File ID	Acceptance	VOID	Meets	F2FZ011	Meets	V2GQ020	Meets
FB ID	Criteria	27022 FB	Criteria	27926 FB	Criteria	28625 FB	Criteria
Sample date	per	4/20/2002		6/7/2002		7/7/2002	
Date Analyzed	QAPP	VOID	(Y/N)	6/26/2002	(Y/N)	7/18/2002	(Y/N)
Formaldehyde	<0.3		Y	0.074	Y	0.045	Y
Acetaldehyde	<0.4		Y	0.106	Y	0.045	Y
Acetone	<0.75		Y	0.180	Y	0.113	Y
Propionaldehyde				0.007		0.006	
Crotonaldehyde				ND		ND	
Butyraldehyde				0.264		0.007	
Benzaldehyde				ND		ND	
Isovaleraldehyde				0.066		0.027	
Valeraldehyde				0.009		0.007	
Tolualdehydes				0.047		0.027	
Hexaldehyde				0.029		0.018	
2,5-Dimethylbenzaldehyde				ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.000	Y	0.421	Y	0.091	Y

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(µg/cartridge)

Data File ID	Acceptance	F2II023	Meets	V2IR039	Meets	V2KY021	Meets
FB ID	Criteria	29101 FB	Criteria	29675 FB	Criteria	30435 FB	Criteria
Sample date	per	8/6/2002		8/30/2002		10/29/2002	
Date Analyzed	QAPP	9/10/2002	(Y/N)	9/19/2002	(Y/N)	11/26/2002	(Y/N)
Formaldehyde	<0.3	0.090	Y	0.039	Y	0.085	Y
Acetaldehyde	<0.4	0.170	Y	0.063	Y	0.055	Y
Acetone	<0.75	0.191	Y	0.229	Y	0.222	Y
Propionaldehyde		0.012		0.006		ND	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.179		0.193		0.020	
Benzaldehyde		0.018		0.008		0.019	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.008		0.009		ND	
Tolualdehydes		0.034		0.039		0.031	
Hexaldehyde		0.021		0.019		0.019	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.270	Y	0.272	Y	0.089	Y

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SAMPLE #	24924	25121	25148	25319	25421 D1	25421 R1
SAMPLE DATE	1/2/2002	1/8/2002	1/14/2002	1/20/2002	1/26/2002	1/26/2002
ANALYSIS DATE	1/23/2002	1/26/2002	1/30/2002	VOID	3/14/2002	3/14/2002
FILE NAME	F2AW008	F2AY023	F2A#028	VOID	F2CL085	F2CL086
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.33	1.14	1.64		1.40	1.39
Acetaldehyde	0.57	0.55	0.83		0.89	0.88
Acetone	0.98	0.89	1.15		1.45	1.44
Propionaldehyde	0.06	0.05	0.07		0.07	0.07
Crotonaldehyde	0.01	0.01	0.02		0.01	0.01
Butyr/Isobutyraldehyde	0.07	0.08	0.09		0.15	0.15
Benzaldehyde	0.02	0.02	0.03		0.03	0.03
Isovaleraldehyde	ND	ND	ND		ND	ND
Valeraldehyde	0.03	0.01	0.03		0.03	0.02
Tolualdehydes	0.02	0.01	0.04		0.02	0.02
Hexaldehyde	0.02	0.01	0.03		0.02	0.01
2,5-Dimethylbenzaldehyde	ND	0.002	ND		ND	ND

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SAMPLE #	25423 D2	25423 R2	25557	25633	25724	25904
SAMPLE DATE	1/26/2002	1/26/2002	2/1/2002	2/7/2002	2/13/2002	2/19/2002
ANALYSIS DATE	3/14/2002	3/14/2002	3/19/2002	3/20/2002	3/21/2002	4/2/2002
FILE NAME	F2CL087	F2CL088	F2CR009	F2CR029	F2CT012	F2DA029
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.32	1.30	1.24	2.03	0.86	2.04
Acetaldehyde	0.86	0.84	0.62	1.21	0.44	1.07
Acetone	1.44	1.44	1.39	2.03	0.75	1.56
Propionaldehyde	0.07	0.06	0.05	0.09	0.03	0.10
Crotonaldehyde	0.01	0.01	0.01	0.01	0.01	0.02
Butyr/Isobutyraldehyde	0.15	0.15	0.08	0.15	0.07	0.11
Benzaldehyde	0.02	0.02	0.03	0.03	0.01	0.04
Isovaleraldehyde	ND	ND	ND	ND	0.01	ND
Valeraldehyde	0.02	0.01	0.02	0.04	0.01	0.04
Tolualdehydes	0.02	0.03	0.01	0.03	0.02	0.04
Hexaldehyde	0.01	0.02	0.01	0.02	0.01	0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND	0.01	ND	ND

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SAMPLE #	26070 D1	26070 R1	26072 D2	26072 R2	26118	26261
SAMPLE DATE	2/25/2002	2/25/2002	2/25/2002	2/25/2002	3/3/2002	3/9/2002
ANALYSIS DATE	4/5/2002	4/5/2002	4/5/2002	4/5/2002	4/12/2002	4/19/2002
FILE NAME	F2DD070	F2DD071	F2DD072	F2DD073	F2DL005	F2DS007
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.09	2.09	2.11	2.10	1.11	1.39
Acetaldehyde	1.27	1.26	1.26	1.26	1.02	0.85
Acetone	1.03	1.02	0.99	0.99	0.64	0.19
Propionaldehyde	0.12	0.13	0.13	0.12	0.07	0.05
Crotonaldehyde	0.02	0.02	0.02	0.02	0.01	0.01
Butyr/Isobutyraldehyde	0.12	0.12	0.12	0.12	0.06	0.03
Benzaldehyde	0.03	0.03	0.03	0.04	0.02	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.03	0.03	0.03	0.01	0.02
Tolualdehydes	0.02	0.03	0.03	0.03	0.01	0.03
Hexaldehyde	0.02	0.01	0.02	0.02	0.02	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	26355	26439	26517	26602	26775	26862
SAMPLE DATE	3/15/2002	3/21/2002	3/27/2002	4/2/2002	4/8/2002	4/14/2002
ANALYSIS DATE	4/22/2002	4/26/2002	5/10/2002	5/11/2002	5/14/2002	5/15/2002
FILE NAME	F2DV007	F2DZ011	F2EJ014	F2EJ028	F2EM029	F2EO019
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.28	1.14	0.94	1.29	1.64	1.49
Acetaldehyde	1.49	0.68	0.60	0.75	0.94	1.02
Acetone	1.45	1.23	1.15	1.46	0.88	0.39
Propionaldehyde	0.11	0.06	0.04	0.07	0.08	0.08
Crotonaldehyde	0.01	0.01	0.01	0.01	0.01	0.01
Butyr/Isobutyraldehyde	0.11	0.11	0.07	0.10	0.09	0.12
Benzaldehyde	0.05	0.02	0.02	0.03	0.07	0.03
Isovaleraldehyde	ND	ND	ND	ND	0.01	ND
Valeraldehyde	0.08	0.02	0.01	0.02	0.02	0.04
Tolualdehydes	0.05	0.02	0.02	0.02	ND	0.03
Hexaldehyde	0.02	0.01	0.01	0.01	0.03	0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	0.04	ND

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SAMPLE #	27007	27245	27348	27476	27554 D1	27554 R1
SAMPLE DATE	4/20/2002	4/26/2002	5/2/2002	5/8/2002	5/14/2002	5/14/2002
ANALYSIS DATE	5/21/2002	5/23/2002	5/24/2002	5/30/2002	6/8/2002	6/8/2002
FILE NAME	F2EU010	F2EW008	F2EW027	F2E#029	F2FG038	F2FG039
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.63	1.37	2.12	1.19	0.89	0.89
Acetaldehyde	1.29	0.58	0.98	0.66	0.51	0.51
Acetone	0.49	2.46	0.55	0.56	1.00	1.00
Propionaldehyde	0.06	0.05	0.09	0.06	ND	ND
Crotonaldehyde	0.01 u	0.01 u	0.02	0.02	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.08	0.09	0.08	0.12	0.06	0.07
Benzaldehyde	0.04	0.03	0.05	0.03	0.02	0.02
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.02	0.03	0.02	0.01	0.01
Tolualdehydes	0.04	0.03	0.04	0.02	0.02	0.02
Hexaldehyde	0.04	0.03	0.03	0.01	0.01	0.004 u
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	27556 D2	27556 R2	27644	27797	27852	27941
SAMPLE DATE	5/14/2002	5/14/2002	5/20/2002	5/29/2002	6/1/2002	6/7/2002
ANALYSIS DATE	6/8/2002	6/8/2002	6/8/2002	6/20/2002	6/20/2002	7/9/2002
FILE NAME	F2FG040	F2FG041	F2FG012	F2FT004	F2FT018	V2GI016
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.89	0.89	0.96	1.21	2.66	1.34
Acetaldehyde	0.49	0.49	0.45	0.61	1.25	0.60
Acetone	1.03	1.03	1.22	0.26	0.87	0.44
Propionaldehyde	ND	ND	0.04	0.07	0.07	0.04
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.00 u	0.02	0.10
Butyr/Isobutyraldehyde	0.07	0.07	0.11	0.07	0.13	0.04
Benzaldehyde	0.02	0.02	0.02	0.03	0.05	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.01	0.02	0.02	0.04	0.01
Tolualdehydes	0.01	0.02	0.02	0.03	0.05	0.03
Hexaldehyde	0.01 u	0.005 u	0.01	0.02	0.04	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	28239	28242	28325 D1	28325 R1	28326 D2	28326 R2
SAMPLE DATE	6/13/2002	6/19/2002	6/25/2002	6/25/2002	6/25/2002	6/25/2002
ANALYSIS DATE	7/11/2002	7/16/2002	7/29/2002	7/29/2002	8/21/2002	8/22/2002
FILE NAME	V2GJ026	F2GP010	V2G#004	V2G#005	V2HU007	V2HU008
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.35	3.26	3.30	3.32	3.81	3.83
Acetaldehyde	0.53	1.74	1.32	1.33	1.64	1.68
Acetone	0.35	0.34	0.37	0.37	0.45	0.44
Propionaldehyde	0.02	0.10	0.04	0.05	0.05	0.05
Crotonaldehyde	0.01	0.02	0.01	0.02	0.02	0.02
Butyr/Isobutyraldehyde	0.03	0.06	0.07	0.08	0.11	0.11
Benzaldehyde	0.03	0.05	0.05	0.06	0.07	0.07
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.02	0.06	0.08	0.08	0.10
Tolualdehydes	0.03	0.04	0.06	0.06	0.06	0.06
Hexaldehyde	0.01	0.03	0.02	0.02	0.02	0.03
2,5-Dimethylbenzaldehyde	ND	0.040	ND	ND	ND	ND

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SAMPLE #	28488	28618	28772	28856	28985	29078
SAMPLE DATE	7/1/2002	7/7/2002	7/13/2002	7/19/2002	7/25/2002	7/31/2002
ANALYSIS DATE	7/30/2002	7/18/2002	7/31/2002	8/6/2002	9/4/2002	9/9/2002
FILE NAME	F2G\$013	V2GQ016	F2G\$039	F2HE015	V2ID019	F2II010
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	4.79	5.36	3.48	5.18	1.87	4.05
Acetaldehyde	1.94	1.73	1.82	2.07	0.69	1.58
Acetone	0.50	0.63	0.36	0.34	0.44	0.67
Propionaldehyde	0.04	0.09	0.05	0.03	0.03	0.16
Crotonaldehyde	0.01	0.03	0.01	0.02	0.01	0.02
Butyr/Isobutyraldehyde	0.04	0.08	0.03	0.05	0.07	0.10
Benzaldehyde	0.05	0.10	0.05	0.07	0.02	0.06
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.08	0.02	0.04	0.02	0.20
Tolualdehydes	0.05	0.07	0.05	0.09	0.03	0.09
Hexaldehyde	0.02	0.02	0.03	0.05	0.02	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	29154	29265	29295	29495	29653	29679
SAMPLE DATE	8/6/2002	8/12/2002	8/18/2002	8/24/2002	8/30/2002	9/5/2002
ANALYSIS DATE	9/9/2002	9/5/2002	9/6/2002	VOID	9/19/2002	9/19/2002
FILE NAME	F2II014	V2ID045	V2ID059	VOID	V2IR027	V2IR044
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.92	6.37	5.36		1.56	1.80
Acetaldehyde	0.57	1.56	2.66		0.66	0.61
Acetone	0.53	0.17	0.61		0.79	0.52
Propionaldehyde	0.03	0.14	0.20		0.04	0.02
Crotonaldehyde	0.01 u	0.04	0.02		0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.06	0.08	0.16		0.10	0.06
Benzaldehyde	0.03	0.06	0.06		0.04	0.05
Isovaleraldehyde	ND	ND	ND		ND	ND
Valeraldehyde	0.03	0.05	0.06		0.02	0.03
Tolualdehydes	0.06	0.08	0.09		0.03	0.03
Hexaldehyde	0.01	0.03	0.05		0.03	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND		ND	ND

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SAMPLE #	29848 D1	29848 R1	29850 D2	29850 R1	29940	30055
SAMPLE DATE	9/11/2002	9/11/2002	9/11/2002	9/11/2002	9/17/2002	9/23/2002
ANALYSIS DATE	9/26/2002	9/26/2002	9/26/2002	9/26/2002	10/4/2002	10/24/2002
FILE NAME	F2IX063	F2IX064	F2IX065	F2IX066	F2JB061	V2JW018
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.48	1.48	0.80	0.79	2.89	1.74
Acetaldehyde	0.35	0.35	0.29	0.29	1.11	0.37
Acetone	0.37	0.37	0.62	0.62	0.66	0.50
Propionaldehyde	0.04	0.04	ND	ND	0.08	ND
Crotonaldehyde	ND	ND	0.004 u	0.00 u	0.02	0.01 u
Butyr/Isobutyraldehyde	0.12	0.13	0.14	0.14	0.12	0.06
Benzaldehyde	0.08	0.08	0.05	0.05	0.06	0.04
Isovaleraldehyde	ND	ND	0.02	ND	0.17	ND
Valeraldehyde	0.01	0.01	0.004	0.01	0.04	0.01
Tolualdehydes	0.08	0.05	0.01	0.02	0.09	0.07
Hexaldehyde	0.01	0.01	0.01	0.01	0.05	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	0.054	0.008

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SAMPLE #	30040	30126	30206	30270	30334 D1	30334 R1
SAMPLE DATE	9/29/2002	10/5/2002	10/11/2002	10/17/2002	10/23/2002	10/23/2002
ANALYSIS DATE	10/23/2002	11/5/2002	11/5/2002	11/6/2002	12/3/2002	12/3/2002
FILE NAME	V2JW008	V2KD014	V2KD021	V2KE014	V2LB027	V2LB028
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.03	2.05	1.25	1.13	1.46	1.46
Acetaldehyde	1.59	0.22	0.61	0.73	0.76	0.76
Acetone	0.67	0.14	0.23	0.75	1.60	1.60
Propionaldehyde	0.20	0.04	0.03	0.05	0.06	0.05
Crotonaldehyde	0.01	0.01 u	0.01 u	0.01 u	0.01 u	0.01
Butyr/Isobutyraldehyde	0.12	0.26	0.53	0.07	0.10	0.10
Benzaldehyde	0.05	0.03	0.03	0.03	0.03	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.01	0.02	0.02	0.02	0.02
Tolualdehydes	0.04	0.06	0.03	0.01	0.02	0.03
Hexaldehyde	0.04	0.02	0.01	0.01	0.02	0.04
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	30336 D2	30336 R2	30474	30505	30622	30732
SAMPLE DATE	10/23/2002	10/23/2002	10/29/2002	11/4/2002	11/10/2002	11/16/2002
ANALYSIS DATE	12/3/2002	12/3/2002	12/13/2002	12/18/2002	12/21/2002	12/24/2002
FILE NAME	V2LB025	V2LB026	V2LL014	V2LQ018	V2LT021	V2LW043
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.40	1.39	1.33	2.24	1.62	0.99
Acetaldehyde	0.73	0.73	0.67	1.43	1.79	0.65
Acetone	1.63	1.63	1.33	1.55	0.22	0.85
Propionaldehyde	0.05	0.05	0.07	0.10	0.19	0.03
Crotonaldehyde	0.01	0.01	0.01	0.01	0.01	0.01
Butyr/Isobutyraldehyde	0.09	0.09	0.06	0.11	0.08	0.07
Benzaldehyde	0.03	0.03	0.02	0.05	0.03	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.02	0.02	0.04	0.03	0.02
Tolualdehydes	0.02	0.02	0.02	0.06	0.03	0.02
Hexaldehyde	0.02	0.03	0.01	0.02	0.01	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	?%30841	30893	30995	31112
SAMPLE DATE	11/22/2002	11/28/2002	12/4/2002	12/10/2002
ANALYSIS DATE	1/3/2003	1/9/2003	1/14/2003	VOID
FILE NAME	V3AB021	V3AH011	V3AM017	VOID
UNITS	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.50	0.97	1.36	
Acetaldehyde	0.94	0.54	0.65	
Acetone	0.63	0.72	0.97	
Propionaldehyde	0.05	0.04	0.06	
Crotonaldehyde	0.01	0.005 u	0.02	
Butyr/Isobutyraldehyde	0.07	0.06	0.08	
Benzaldehyde	0.04	0.02	0.03	
Isovaleraldehyde	ND	ND	ND	
Valeraldehyde	0.03	0.01	0.02	
Tolualdehydes	0.02	0.01	0.02	
Hexaldehyde	0.02	0.02	0.02	
2,5-Dimethylbenzaldehyde	ND	ND	ND	

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Data File ID	Acceptance	F2A#027	Meets	VOID	Meets	F2CR008	Meets
FB ID	Criteria	25147 FB	Criteria	25318 FB	Criteria	25556 FB	Criteria
Sample date	per	1/14/2002		1/20/2002		2/1/2002	
Date Analyzed	QAPP	1/30/2002	(Y/N)	VOID	(Y/N)	3/19/2002	(Y/N)
Formaldehyde	<0.3	0.063	Y		Y	0.034	Y
Acetaldehyde	<0.4	0.054	Y		Y	0.082	Y
Acetone	<0.75	0.249	Y		Y	0.196	Y
Propionaldehyde		ND				0.007	
Crotonaldehyde		0.005				ND	
Butyraldehyde		0.086				0.082	
Benzaldehyde		0.010				ND	
Isovaleraldehyde		ND				ND	
Valeraldehyde		0.009				0.004	
Tolualdehydes		0.017				0.104	
Hexaldehyde		0.032				0.261	
2,5-Dimethylbenzaldehyde		ND				ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.158	Y	0.000	Y	0.457	Y

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Data File ID	Acceptance	F2DA028	Meets	F2DS006	Meets	F2DV006	Meets
FB ID	Criteria	25903 FB	Criteria	26260 FB	Criteria	26354 FB	Criteria
Sample date	per	2/19/2002		3/9/2002		3/15/2002	
Date Analyzed	QAPP	4/2/2002	(Y/N)	4/19/2002	(Y/N)	4/22/2002	(Y/N)
Formaldehyde	<0.3	0.080	Y	0.026	Y	0.066	Y
Acetaldehyde	<0.4	0.039	Y	0.042	Y	0.061	Y
Acetone	<0.75	0.216	Y	0.226	Y	0.225	Y
Propionaldehyde		ND		0.006		0.006	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.113		0.015		0.368	
Benzaldehyde		0.019		0.013		ND	
Isovaleraldehyde		ND		ND		0.014	
Valeraldehyde		0.008		ND		0.012	
Tolualdehydes		0.128		0.028		0.036	
Hexaldehyde		0.025		0.024		0.020	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.292	Y	0.086	Y	0.453	Y

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Data File ID	Acceptance	F2EO018	Meets	F2EU009	Meets	F2E#028	Meets
FB ID	Criteria	26861 FB	Criteria	27006 FB	Criteria	27475 FB	Criteria
Sample date	per	4/14/2002		4/20/2002		5/8/2002	
Date Analyzed	QAPP	5/15/2002	(Y/N)	5/21/2002	(Y/N)	5/30/2002	(Y/N)
Formaldehyde	<0.3	0.040	Y	0.044	Y	0.034	Y
Acetaldehyde	<0.4	0.074	Y	0.086	Y	0.102	Y
Acetone	<0.75	0.215	Y	0.204	Y	0.161	Y
Propionaldehyde		0.007		0.010		0.007	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.225		0.210		0.208	
Benzaldehyde		0.013		0.017		0.014	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.011		0.009		0.010	
Tolualdehydes		0.040		0.049		0.051	
Hexaldehyde		0.029		0.024		0.028	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.324	Y	0.317	Y	0.317	Y

Elizabeth, New Jersey (ELNJ) 2002 UATMP Carbonyl Annual Field Blank Data Report

Data File ID	Acceptance	F2FG011	Meets	V2GJ025	Meets	F2GP011	Meets
FB ID	Criteria	27643 FB	Criteria	28238 FB	Criteria	28241 FB	Criteria
Sample date	per	5/20/2002		6/13/2002		6/19/2002	
Date Analyzed	QAPP	6/8/2002	(Y/N)	7/11/2002	(Y/N)	7/16/2002	(Y/N)
Formaldehyde	<0.3	0.035	Y	0.054	Y	0.037	Y
Acetaldehyde	<0.4	0.087	Y	0.067	Y	0.074	Y
Acetone	<0.75	0.242	Y	0.149	Y	0.188	Y
Propionaldehyde		0.008		0.009		0.011	
Crotonaldehyde		ND		ND		0.024	
Butyraldehyde		0.336		0.015		0.014	
Benzaldehyde		0.009		0.016		0.053	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		ND		0.012		0.012	
Tolualdehydes		0.160		0.029		0.037	
Hexaldehyde		0.022		0.039		0.018	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.534	Y	0.118	Y	0.169	Y

Elizabeth, New Jersey (ELNJ) 2002 UATMP Carbonyl Annual Field Blank Data Report

Data File ID	Acceptance	V2GQ015	Meets	F2HE014	Meets	V2ID044	Meets
FB ID	Criteria	28617 FB	Criteria	28855 FB	Criteria	29264 FB	Criteria
Sample date	per	7/7/2002		7/19/2002		8/12/2002	
Date Analyzed	QAPP	7/18/2002	(Y/N)	8/5/2002	(Y/N)	9/5/2002	(Y/N)
Formaldehyde	<0.3	0.027	Y	0.033	Y	0.042	Y
Acetaldehyde	<0.4	0.248	Y	0.053	Y	0.133	Y
Acetone	<0.75	0.187	Y	0.209	Y	0.163	Y
Propionaldehyde		0.024		0.006		0.016	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.049		0.086		0.111	
Benzaldehyde		ND		0.014		0.012	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.019		0.008		0.009	
Tolualdehydes		0.047		0.021		0.041	
Hexaldehyde		0.062		0.026		0.020	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.200	Y	0.159	Y	0.208	Y

Elizabeth, New Jersey (ELNJ) 2002 UATMP Carbonyl Annual Field Blank Data Report

Data File ID	Acceptance	V2IR028	Meets	F2IR024	Meets	V2JW017	Meets
FB ID	Criteria	29652 FB	Criteria	29678 FB	Criteria	30054 FB	Criteria
Sample date	per	8/30/2002		9/5/2002		9/23/2002	
Date Analyzed	QAPP	9/19/2002	(Y/N)	9/19/2002	(Y/N)	10/24/2002	(Y/N)
Formaldehyde	<0.3	0.031	Y	0.120	Y	0.054	Y
Acetaldehyde	<0.4	0.064	Y	0.120	Y	0.163	Y
Acetone	<0.75	0.225	Y	0.244	Y	0.178	Y
Propionaldehyde		0.005		0.011		0.009	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.212		0.347		0.175	
Benzaldehyde		0.014		0.012		0.017	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.005		0.008		0.011	
Tolualdehydes		0.029		0.049		0.034	
Hexaldehyde		0.018		0.028		0.046	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.282	Y	0.454	Y	0.291	Y

Elizabeth, New Jersey (ELNJ) 2002 UATMP Carbonyl Annual Field Blank Data Report

Data File ID	Acceptance	V2KD022	Meets	V2LL013	Meets	V2LQ017	Meets
FB ID	Criteria	30205 FB	Criteria	#30473 FB	Criteria	#30504 FB	Criteria
Sample date	per	10/11/2002		10/29/2002		11/4/2002	
Date Analyzed	QAPP	11/5/2002	(Y/N)	12/13/2002	(Y/N)	12/18/2002	(Y/N)
Formaldehyde	<0.3	0.038	Y	0.040	Y	0.034	Y
Acetaldehyde	<0.4	0.084	Y	0.064	Y	0.120	Y
Acetone	<0.75	0.191	Y	0.244	Y	0.265	Y
Propionaldehyde		0.006		ND		0.009	
Crotonaldehyde		0.010		ND		ND	
Butyraldehyde		0.022		0.063		0.073	
Benzaldehyde		0.022		0.017		0.014	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.006		0.006		0.009	
Tolualdehydes		0.009		0.029		0.029	
Hexaldehyde		0.028		0.025		0.023	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.101	Y	0.138	Y	0.156	Y

Elizabeth, New Jersey (ELNJ) 2002 UATMP Carbonyl Annual Field Blank Data Report

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	V3AB020 ?%30840 FB 11/22/2002 1/3/2003	Meets Criteria (Y/N)	VOID 31111 FB 12/10/2002 VOID	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.076	Y		Y
Acetaldehyde	<0.4	0.115	Y		Y
Acetone	<0.75	0.234	Y		Y
Propionaldehyde		0.009			
Crotonaldehyde		ND			
Butyraldehyde		0.157			
Benzaldehyde		0.007			
Isovaleraldehyde		ND			
Valeraldehyde		0.007			
Tolualdehydes		0.025			
Hexaldehyde		0.044			
2,5-Dimethylbenzaldehyde		ND			
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.248	Y	0.000	Y

Elizabeth, New Jersey (ELNJ) 2002 UATMP Carbonyl Annual Data Report

u - Concentration below detection limit

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

% - Sample extracted out of hold time due to power outage.

Pompano Beach, Florida (FLFL) 2002 UATMP Carbonyl Annual Data Report

SAMPLE NUMBER	#30498	#30677	#30860	31011
SAMPLE DATE	11/4/2002	11/16/2002	11/28/2002	12/10/2002
ANALYSIS DATE	12/18/2002	12/23/2002	12/31/2002	1/14/2003
FILE NAME	V2LQ013	V2LW014	V2LS023	V3AM026
UNITS	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.22	2.37	3.62	2.89
Acetaldehyde	2.02	1.02	1.34	0.98
Acetone	0.41	0.30	0.49	0.40
Propionaldehyde	0.39	0.06	0.09	0.11
Crotonaldehyde	0.004 u	0.003 u	0.005 u	0.004 u
Butyr/Isobutyraldehyde	0.12	0.10	0.11	0.12
Benzaldehyde	0.05	0.04	0.05	0.06
Isovaleraldehyde	ND	ND	0.01	0.01
Valeraldehyde	0.08	0.04	0.03	0.04
Tolualdehydes	0.03	0.03	0.04	ND
Hexaldehyde	0.16	0.11	0.09	0.08
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND

u - Concentration is below detection limit.

- After extraction sample came to room temperature due to power outage.

Pompano Beach, Florida (FLFL) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	#V2LQ014 30497 FB 11/4/2002 37608	Meets Criteria (Y/N)	V3AM025 31012 FB 12/10/2002 1/14/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.05	Y	0.08	Y
Acetaldehyde	<0.4	0.07	Y	0.13	Y
Acetone	<0.75	0.23	Y	0.25	Y
Propionaldehyde		ND		0.01	
Crotonaldehyde		0.02		0.01	
Butyraldehyde		0.03		0.10	
Benzaldehyde		ND		0.02	
Isovaleraldehyde		0.002		ND	
Valeraldehyde		0.03		0.01	
Tolualdehydes		0.09		0.07	
Hexaldehyde		ND		0.04	
2,5-Dimethylbenzaldehyde		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.18	Y	0.26	Y

Pompano Beach, Florida (FLFL) 2002 UATMP Carbonyl Fourth Quarter Data

Report

u - Concentration below detection limit

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

% - Sample extracted out of hold time due to power outage.

Grand Junction, Colorado (G2CO) 2002 Carbonyl Annual Data Report

SAMPLE #	24975	25060 D1	25060 R1	25062 D2	25062 R2	25162
SAMPLE DATE	1/2/2002	1/8/2002	1/8/2002	1/8/2002	1/8/2002	1/14/2002
ANALYSIS DATE	1/23/2002	1/26/2002	1/26/2002	1/26/2002	1/26/2002	1/30/2002
FILE NAME	F2AW011	F2AY028	F2AY029	F2AY030	F2AY031	F2A#036
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	5.25	5.53	5.54	5.45	5.49	4.28
Acetaldehyde	1.17	1.68	1.68	1.66	1.66	1.17
Acetone	2.23	3.48	3.50	3.49	3.49	2.04
Propionaldehyde	0.12	0.23	0.23	0.23	0.24	0.13
Crotonaldehyde	0.03	0.03	0.03	0.04	0.38	0.02
Butyr/Isobutyraldehyde	0.28	0.33	0.33	0.34	0.34	0.23
Benzaldehyde	0.08	0.10	0.10	0.10	0.10	0.07
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.08	0.06	0.07	0.07	0.07	0.07
Tolualdehydes	0.07	0.08	0.08	0.07	0.08	0.06
Hexaldehyde	0.10	0.10	0.10	0.09	0.09	0.09
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

Grand Junction, Colorado (G2CO) 2002 Carbonyl Annual Data Report

SAMPLE #	25344 D1	25344 R1	25346 D2	25346 R2	25509 D1	25509 R1
SAMPLE DATE	1/20/2002	1/20/2002	1/20/2002	1/20/2002	1/26/2002	1/26/2002
ANALYSIS DATE	3/5/2002	3/5/2002	3/6/2002	3/6/2002	3/14/2002	3/14/2002
FILE NAME	F2CE045	F2CE046	F2CE047	F2CE048	F2CL072	F2CL073
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	4.66	4.71	3.98	3.98	5.07	5.06
Acetaldehyde	1.17	1.19	1.10	1.11	1.57	1.57
Acetone	2.01	2.01	1.82	1.83	2.53	2.52
Propionaldehyde	0.13	0.13	0.12	0.12	0.16	0.17
Crotonaldehyde	0.02	0.02	0.02	0.02	0.03	0.03
Butyr/Isobutyraldehyde	0.25	0.26	0.24	0.24	0.27	0.28
Benzaldehyde	0.06	0.07	0.06	0.06	0.08	0.08
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.05	0.06	0.05	0.04	0.06	0.06
Tolualdehydes	0.06	0.06	0.05	0.05	0.08	0.05
Hexaldehyde	0.10	0.09	0.08	0.07	0.10	0.08
2,5-Dimethylbenzaldehyde	0.02	0.01	0.005	0.01	ND	ND

Grand Junction, Colorado (G2CO) 2002 Carbonyl Annual Data Report

SAMPLE #	25511 D2	25511 R2	25563 D1	25563 R1	25565 D2	25565 R2
SAMPLE DATE	1/26/2002	1/26/2002	2/1/2002	2/1/2002	2/1/2002	2/1/2002
ANALYSIS DATE	3/14/2002	3/14/2002	3/20/2002	3/20/2002	3/20/2002	3/20/2002
FILE NAME	F2CL074	F2CL075	F2CR044	F2CR045	F2CR046	F2CR047
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	5.12	5.10	2.60	2.61	3.06	3.06
Acetaldehyde	1.57	1.57	0.79	0.79	0.86	0.86
Acetone	2.56	2.56	1.45	1.45	1.60	1.59
Propionaldehyde	0.16	0.16	0.08	0.08	0.09	0.09
Crotonaldehyde	0.03	0.03	0.02	0.02	0.02	0.02
Butyr/Isobutyraldehyde	0.27	0.27	0.18	0.16	0.18	0.17
Benzaldehyde	0.08	0.08	0.04	0.04	0.04	0.04
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.06	0.07	0.03	0.03	0.03	0.03
Tolualdehydes	0.06	0.07	0.03	0.03	0.04	0.03
Hexaldehyde	0.08	0.09	0.05	0.05	0.06	0.06
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

Grand Junction, Colorado (G2CO) 2002 Carbonyl Annual Data Report

SAMPLE #	25681	25858 D1	25858 R1	25860 D2	25860 R2	25866
SAMPLE DATE	2/7/2002	2/13/2002	2/13/2002	2/13/2002	2/13/2002	2/19/2002
ANALYSIS DATE	3/20/2002	4/3/2002	4/3/2002	4/3/2002	4/3/2002	4/4/2002
FILE NAME	F2CR034	F2DD010	F2DD011	F2DD012	F2DD013	F2DD041
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	4.45	3.24	3.26	3.33	3.33	3.58
Acetaldehyde	1.22	1.24	1.25	1.24	1.24	0.88
Acetone	2.31	2.48	2.49	2.46	2.46	1.60
Propionaldehyde	0.13	0.13	0.13	0.13	0.13	0.08
Crotonaldehyde	0.05	0.02	0.02	0.02	0.02	0.02
Butyr/Isobutyraldehyde	0.23	0.20	0.19	0.20	0.20	0.15
Benzaldehyde	0.06	0.06	0.06	0.06	0.06	0.06
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.05	0.04	0.04	0.04	0.04	0.04
Tolualdehydes	0.06	0.04	0.04	0.04	0.04	0.04
Hexaldehyde	0.10	0.06	0.07	0.06	0.07	0.08
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

Grand Junction, Colorado (G2CO) 2002 Carbonyl Annual Data Report

SAMPLE #	26096 D1	26096 R1	26098 D2	26098 R2	26139	26273 D1
SAMPLE DATE	2/25/2002	2/25/2002	2/25/2002	2/25/2002	3/3/2002	3/9/2002
ANALYSIS DATE	4/5/2002	4/5/2002	4/5/2002	4/5/2002	4/12/2002	4/20/2002
FILE NAME	F2DD079	F2DD080	F2DD081	F2DD082	F2DL011	F2DS041
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	4.39	4.43	4.15	4.14	2.28	2.88
Acetaldehyde	1.12	1.12	1.07	1.07	0.66	0.86
Acetone	1.97	1.99	1.87	1.90	1.44	1.63
Propionaldehyde	0.10	0.10	0.09	0.10	0.06	0.09
Crotonaldehyde	0.01	0.02	0.01	0.02	0.01	0.02
Butyr/Isobutyraldehyde	0.19	0.20	0.19	0.19	0.13	0.22
Benzaldehyde	0.06	0.06	0.06	0.05	0.03	0.05
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.06	0.07	0.06	0.06	0.03	0.05
Tolualdehydes	0.04	0.04	0.04	0.04	0.03	0.03
Hexaldehyde	0.11	0.10	0.11	0.11	0.06	0.07
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

Grand Junction, Colorado (G2CO) 2002 Carbonyl Annual Data Report

SAMPLE #	26273 R1	26275 D2	26275 R2	26451	26460 D1	26460 R1
SAMPLE DATE	3/9/2002	3/9/2002	3/9/2002	3/15/2002	3/21/2002	3/21/2002
ANALYSIS DATE	4/20/2002	4/20/2002	4/20/2002	4/24/2002	4/26/2002	4/26/2002
FILE NAME	F2DS042	F2DS043	F2DS044	F2DV052	F2DZ021	F2DZ022
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.84	2.98	2.98	4.21	3.85	3.85
Acetaldehyde	0.85	0.87	0.87	1.05	1.11	1.11
Acetone	1.62	1.63	1.63	1.82	2.49	2.46
Propionaldehyde	0.09	0.09	0.09	0.10	0.12	0.11
Crotonaldehyde	0.01	0.01 u	0.01 u	0.02	0.02	0.02
Butyr/Isobutyraldehyde	0.20	0.21	0.21	0.25	0.42	0.42
Benzaldehyde	0.05	0.04	0.05	0.06	0.08	0.06
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.05	0.05	0.05	0.06	0.06	0.06
Tolualdehydes	0.04	0.04	0.03	0.04	0.04	0.04
Hexaldehyde	0.07	0.08	0.08	0.10	0.09	0.09
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

Grand Junction, Colorado (G2CO) 2002 Carbonyl Annual Data Report

SAMPLE #	26462 D2	26462 R2	26554	26616 D1	26616 R1	26618 D2
SAMPLE DATE	3/21/2002	3/21/2002	3/27/2002	4/2/2002	4/2/2002	4/2/2002
ANALYSIS DATE	4/26/2002	4/27/2002	5/11/2002	5/11/2002	5/11/2002	5/11/2002
FILE NAME	F2DZ023	F2DZ024	F2EJ019	F2EJ040	F2EJ041	F2EJ042
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.94	3.93	2.14	3.48	3.46	3.63
Acetaldehyde	1.14	1.14	1.10	1.30	1.30	1.31
Acetone	2.52	2.52	1.85	2.46	2.46	2.46
Propionaldehyde	0.12	0.12	0.18	0.14	0.15	0.15
Crotonaldehyde	0.02	0.02	0.02	0.02	0.02	0.02
Butyr/Isobutyraldehyde	0.43	0.43	0.18	0.33	0.32	0.33
Benzaldehyde	0.05	0.05	0.04	0.07	0.07	0.07
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.06	0.07	0.03	0.07	0.06	0.07
Tolualdehydes	0.04	0.04	0.02	0.06	0.06	0.07
Hexaldehyde	0.10	0.09	0.07	0.13	0.14	0.14
2,5-Dimethylbenzaldehyde	ND	ND	ND	0.00 u	ND	ND

Grand Junction, Colorado (G2CO) 2002 Carbonyl Annual Data Report

SAMPLE #	26618 R2	26929	26925 D1	26925 R1	26927 D2	26927 R2
SAMPLE DATE	4/2/2002	4/8/2002	4/14/2002	4/14/2002	4/14/2002	4/14/2002
ANALYSIS DATE	5/11/2002	5/16/2002	5/16/2002	5/16/2002	5/16/2002	5/16/2002
FILE NAME	F2EJ043	F2EO038	F2EO053	F2EO054	F2EO055	F2EO056
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.64	5.33	4.04	4.06	4.08	4.12
Acetaldehyde	1.29	1.57	1.27	1.28	1.27	1.28
Acetone	2.45	3.27	2.81	2.83	2.80	2.81
Propionaldehyde	0.14	0.18	0.13	0.14	0.13	0.13
Crotonaldehyde	0.02	0.01	0.01	0.02	0.03	0.02
Butyr/Isobutyraldehyde	0.33	0.54	0.36	0.37	0.38	0.37
Benzaldehyde	0.07	0.08	0.05	0.06	0.05	0.07
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.07	0.09	0.06	0.06	0.06	0.06
Tolualdehydes	0.06	0.06	0.05	0.05	0.05	0.05
Hexaldehyde	0.15	0.22	0.16	0.14	0.15	0.14
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

Grand Junction, Colorado (G2CO) 2002 Carbonyl Annual Data Report

SAMPLE #	27057	27266 D1	27266 R1	27268 D2	27268 R2
SAMPLE DATE	4/20/2002	4/26/2002	4/26/2002	4/26/2002	4/26/2002
ANALYSIS DATE	5/23/2002	5/28/2002	5/28/2002	5/28/2002	5/28/2002
FILE NAME	F2EU062	F2E!012	F2E!013	F2E!014	F2E!015
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.13	3.30	3.29	3.07	3.06
Acetaldehyde	0.98	0.80	0.80	0.78	0.78
Acetone	2.67	1.81	1.80	1.71	1.72
Propionaldehyde	0.10	0.07	0.08	0.07	0.07
Crotonaldehyde	0.01	0.01 u	0.01 u	0.01	0.02
Butyr/Isobutyraldehyde	0.34	0.24	0.24	0.24	0.25
Benzaldehyde	0.04	0.04	0.04	0.04	0.04
Isovaleraldehyde	0.01	ND	ND	ND	ND
Valeraldehyde	0.06	0.05	0.05	0.05	0.05
Tolualdehydes	0.03	0.04	0.04	0.04	0.03
Hexaldehyde	0.12	0.13	0.13	0.13	0.13
2,5-Dimethylbenzaldehyde	ND	ND	ND	0.003 u	0.01

Grand Junction, Colorado (G2CO) 2002 Carbonyl Annual Data Report

SAMPLE #	24975	25060 D1	25060 R1	25062 D2	25062 R2	25162
SAMPLE DATE	1/2/2002	1/8/2002	1/8/2002	1/8/2002	1/8/2002	1/14/2002
ANALYSIS DATE	1/23/2002	1/26/2002	1/26/2002	1/26/2002	1/26/2002	1/30/2002
FILE NAME	F2AW011	F2AY028	F2AY029	F2AY030	F2AY031	F2A#036
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	6.47	6.81	6.83	6.72	6.76	5.28
Acetaldehyde	2.11	3.03	3.04	2.99	2.99	2.11
Acetone	5.31	8.28	8.34	8.30	8.31	4.86
Propionaldehyde	0.29	0.54	0.54	0.54	0.57	0.31
Crotonaldehyde	0.09	0.10	0.10	0.11	1.09	0.06
Butyr/Isobutyraldehyde	0.83	0.99	0.97	1.02	1.01	0.69
Benzaldehyde	0.33	0.43	0.42	0.45	0.45	0.30
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.27	0.23	0.23	0.26	0.26	0.23
Tolualdehydes	0.33	0.41	0.40	0.37	0.39	0.28
Hexaldehyde	0.42	0.40	0.41	0.39	0.37	0.37
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	25344 D1	25344 R1	25346 D2	25346 R2	25509 D1	25509 R1
SAMPLE DATE	1/20/2002	1/20/2002	1/20/2002	1/20/2002	1/26/2002	1/26/2002
ANALYSIS DATE	3/5/2002	3/5/2002	3/6/2002	3/6/2002	3/14/2002	3/14/2002
FILE NAME	F2CE045	F2CE046	F2CE047	F2CE048	F2CL072	F2CL073
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	5.74	5.81	4.90	4.90	6.26	6.24
Acetaldehyde	2.12	2.15	1.99	2.00	2.84	2.84
Acetone	4.78	4.78	4.34	4.35	6.01	6.01
Propionaldehyde	0.31	0.32	0.27	0.29	0.38	0.40
Crotonaldehyde	0.06	0.07	0.06	0.07	0.08	0.08
Butyr/Isobutyraldehyde	0.74	0.76	0.71	0.71	0.80	0.81
Benzaldehyde	0.26	0.28	0.26	0.25	0.34	0.33
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.18	0.20	0.16	0.16	0.20	0.20
Tolualdehydes	0.31	0.30	0.26	0.25	0.38	0.26
Hexaldehyde	0.41	0.39	0.33	0.31	0.39	0.32
2,5-Dimethylbenzaldehyde	0.10	0.05	0.02	0.06	ND	ND

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SAMPLE #	25511 D2	25511 R2	25563 D1	25563 R1	25565 D2	25565 R2
SAMPLE DATE	1/26/2002	1/26/2002	2/1/2002	2/1/2002	2/1/2002	2/1/2002
ANALYSIS DATE	3/14/2002	3/14/2002	3/20/2002	3/20/2002	3/20/2002	3/20/2002
FILE NAME	F2CL074	F2CL075	F2CR044	F2CR045	F2CR046	F2CR047
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	6.31	6.29	3.21	3.21	3.78	3.77
Acetaldehyde	2.84	2.83	1.43	1.43	1.55	1.55
Acetone	6.08	6.10	3.45	3.45	3.80	3.80
Propionaldehyde	0.38	0.39	0.19	0.19	0.21	0.21
Crotonaldehyde	0.08	0.09	0.05	0.05	0.06	0.05
Butyr/Isobutyraldehyde	0.80	0.81	0.52	0.48	0.53	0.50
Benzaldehyde	0.33	0.34	0.16	0.17	0.19	0.17
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.21	0.23	0.10	0.10	0.11	0.12
Tolualdehydes	0.31	0.34	0.13	0.14	0.18	0.16
Hexaldehyde	0.33	0.38	0.22	0.22	0.25	0.25
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	25681	25858 D1	25858 R1	25860 D2	25860 R2	25866
SAMPLE DATE	2/7/2002	2/13/2002	2/13/2002	2/13/2002	2/13/2002	2/19/2002
ANALYSIS DATE	3/20/2002	4/3/2002	4/3/2002	4/3/2002	4/3/2002	4/4/2002
FILE NAME	F2CR034	F2DD010	F2DD011	F2DD012	F2DD013	F2DD041
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	5.49	3.99	4.02	4.10	4.11	4.41
Acetaldehyde	2.20	2.24	2.25	2.24	2.23	1.60
Acetone	5.50	5.90	5.94	5.87	5.86	3.81
Propionaldehyde	0.31	0.30	0.30	0.31	0.30	0.19
Crotonaldehyde	0.14	0.05	0.05	0.06	0.05	0.04
Butyr/Isobutyraldehyde	0.68	0.58	0.56	0.60	0.58	0.44
Benzaldehyde	0.27	0.28	0.27	0.27	0.27	0.28
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.19	0.15	0.15	0.15	0.15	0.15
Tolualdehydes	0.28	0.19	0.19	0.18	0.20	0.20
Hexaldehyde	0.42	0.24	0.27	0.24	0.28	0.31
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	26096 D1	26096 R1	26098 D2	26098 R2	26139	26273 D1
SAMPLE DATE	2/25/2002	2/25/2002	2/25/2002	2/25/2002	3/3/2002	3/9/2002
ANALYSIS DATE	4/5/2002	4/5/2002	4/5/2002	4/5/2002	4/12/2002	4/20/2002
FILE NAME	F2DD079	F2DD080	F2DD081	F2DD082	F2DL011	F2DS041
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	5.41	5.46	5.11	5.10	2.81	3.55
Acetaldehyde	2.02	2.02	1.93	1.93	1.18	1.56
Acetone	4.69	4.75	4.46	4.53	3.43	3.87
Propionaldehyde	0.23	0.24	0.22	0.25	0.14	0.22
Crotonaldehyde	0.04	0.05	0.04	0.05	0.02	0.07
Butyr/Isobutyraldehyde	0.57	0.58	0.55	0.55	0.40	0.64
Benzaldehyde	0.25	0.24	0.24	0.22	0.12	0.21
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.21	0.24	0.21	0.21	0.11	0.19
Tolualdehydes	0.18	0.19	0.18	0.18	0.14	0.17
Hexaldehyde	0.45	0.41	0.46	0.44	0.24	0.29
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	26273 R1	26275 D2	26275 R2	26451	26460 D1	26460 R1
SAMPLE DATE	3/9/2002	3/9/2002	3/9/2002	3/15/2002	3/21/2002	3/21/2002
ANALYSIS DATE	4/20/2002	4/20/2002	4/20/2002	4/24/2002	4/26/2002	4/26/2002
FILE NAME	F2DS042	F2DS043	F2DS044	F2DV052	F2DZ021	F2DZ022
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	3.50	3.68	3.68	5.19	4.75	4.74
Acetaldehyde	1.54	1.58	1.57	1.89	2.01	2.01
Acetone	3.85	3.87	3.88	4.32	5.93	5.85
Propionaldehyde	0.22	0.22	0.22	0.24	0.29	0.27
Crotonaldehyde	0.03	0.03 u	0.03 u	0.04	0.05	0.05
Butyr/Isobutyraldehyde	0.58	0.61	0.62	0.74	1.24	1.24
Benzaldehyde	0.23	0.19	0.21	0.28	0.33	0.24
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.18	0.17	0.18	0.23	0.21	0.20
Tolualdehydes	0.18	0.18	0.15	0.20	0.18	0.19
Hexaldehyde	0.29	0.31	0.32	0.40	0.38	0.36
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	26462 D2	26462 R2	26554	26616 D1	26616 R1	26618 D2
SAMPLE DATE	3/21/2002	3/21/2002	3/27/2002	4/2/2002	4/2/2002	4/2/2002
ANALYSIS DATE	4/26/2002	4/27/2002	5/11/2002	5/11/2002	5/11/2002	5/11/2002
FILE NAME	F2DZ023	F2DZ024	F2EJ019	F2EJ040	F2EJ041	F2EJ042
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	4.86	4.85	2.64	4.29	4.26	4.48
Acetaldehyde	2.05	2.05	1.98	2.34	2.35	2.37
Acetone	5.99	5.99	4.40	5.85	5.85	5.86
Propionaldehyde	0.28	0.28	0.42	0.34	0.35	0.35
Crotonaldehyde	0.05	0.05	0.06	0.06	0.05	0.05
Butyr/Isobutyraldehyde	1.26	1.28	0.53	0.96	0.96	0.97
Benzaldehyde	0.23	0.24	0.18	0.29	0.32	0.32
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.22	0.23	0.11	0.23	0.22	0.24
Tolualdehydes	0.17	0.18	0.12	0.31	0.31	0.32
Hexaldehyde	0.42	0.37	0.30	0.55	0.57	0.58
2,5-Dimethylbenzaldehyde	ND	ND	ND	0.01 u	ND	ND

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SAMPLE #	26618 R2	26929	26925 D1	26925 R1	26927 D2	26927 R2
SAMPLE DATE	4/2/2002	4/8/2002	4/14/2002	4/14/2002	4/14/2002	4/14/2002
ANALYSIS DATE	5/11/2002	5/16/2002	5/16/2002	5/16/2002	5/16/2002	5/16/2002
FILE NAME	F2EJ043	F2EO038	F2EO053	F2EO054	F2EO055	F2EO056
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	4.49	6.57	4.99	5.00	5.02	5.07
Acetaldehyde	2.33	2.84	2.29	2.31	2.29	2.32
Acetone	5.82	7.78	6.70	6.73	6.65	6.70
Propionaldehyde	0.34	0.44	0.31	0.32	0.31	0.31
Crotonaldehyde	0.05	0.04	0.04	0.05	0.08	0.05
Butyr/Isobutyraldehyde	0.97	1.60	1.06	1.08	1.11	1.10
Benzaldehyde	0.32	0.37	0.23	0.27	0.22	0.30
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.23	0.33	0.22	0.22	0.22	0.22
Tolualdehydes	0.31	0.29	0.25	0.25	0.25	0.24
Hexaldehyde	0.61	0.91	0.64	0.59	0.62	0.57
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	27057	27266 D1	27266 R1	27268 D2	27268 R2
SAMPLE DATE	4/20/2002	4/26/2002	4/26/2002	4/26/2002	4/26/2002
ANALYSIS DATE	5/23/2002	5/28/2002	5/28/2002	5/28/2002	5/28/2002
FILE NAME	F2EU062	F2EI012	F2EI013	F2EI014	F2EI015
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	3.86	4.07	4.05	3.78	3.77
Acetaldehyde	1.77	1.45	1.44	1.41	1.41
Acetone	6.35	4.32	4.28	4.08	4.10
Propionaldehyde	0.23	0.17	0.19	0.17	0.18
Crotonaldehyde	0.03	0.03 u	0.03 u	0.04	0.05
Butyr/Isobutyraldehyde	1.01	0.72	0.71	0.72	0.73
Benzaldehyde	0.16	0.18	0.18	0.16	0.18
Isovaleraldehyde	0.04	ND	ND	ND	ND
Valeraldehyde	0.22	0.18	0.18	0.17	0.17
Tolualdehydes	0.17	0.19	0.21	0.19	0.16
Hexaldehyde	0.48	0.54	0.54	0.54	0.52
2,5-Dimethylbenzaldehyde	ND	ND	ND	0.02 u	0.03

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(µg/cartridge)

Data File ID	Acceptance	F2A#035	Meets	F2CE044	Meets	F2CR012	Meets
FB ID	Criteria	25161	Criteria	25343	Criteria	25562	Criteria
Sample date	per	1/14/2002		1/20/2002		2/1/2002	
Date Analyzed	QAPP	1/30/2002	(Y/N)	3/5/2002	(Y/N)	3/19/2002	(Y/N)
Formaldehyde	<0.3	0.05	Y	0.02	Y	0.04	Y
Acetaldehyde	<0.4	0.04	Y	0.04	Y	0.05	Y
Acetone	<0.75	0.26	Y	0.21	Y	0.19	Y
Propionaldehyde		ND		ND		ND	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.09		0.14		0.09	
Benzaldehyde		0.01		0.02		0.02	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		ND		ND		0.01	
Tolualdehydes		0.02		0.27		0.04	
Hexaldehyde		0.03		0.02		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.156	Y	0.456	Y	0.173	Y

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(µg/cartridge)

Data File ID	Acceptance	F2DD040	Meets	F2DS015	Meets	F2DV051	Meets
FB ID	Criteria	25865	Criteria	26272	Criteria	26450	Criteria
Sample date	per	2/15/2002		3/9/2002		3/15/2002	
Date Analyzed	QAPP	4/4/2002	(Y/N)	4/19/2002	(Y/N)	4/24/2002	(Y/N)
Formaldehyde	<0.3	0.02	Y	0.05	Y	0.05	Y
Acetaldehyde	<0.4	0.03	Y	0.06	Y	0.09	Y
Acetone	<0.75	0.21	Y	0.22	Y	0.23	Y
Propionaldehyde		ND		ND		0.01	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.08		0.04		0.32	
Benzaldehyde		0.02		0.01		0.01	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		ND		0.01		0.01	
Tolualdehydes		ND		0.09		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	0.116	Y	0.172	Y	0.381	Y

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(µg/cartridge)

Data File ID	Acceptance	F2EO037	Meets	F2EU061	Meets
FB ID	Criteria	26924 FB	Criteria	27056 FB	Criteria
Sample date	per	4/14/2002		4/20/2002	
Date Analyzed	QAPP	5/16/2002	(Y/N)	5/23/2002	(Y/N)
Formaldehyde	<0.3	0.04	Y	0.04	Y
Acetaldehyde	<0.4	0.09	Y	0.11	Y
Acetone	<0.75	0.21	Y	0.21	Y
Propionaldehyde		0.01		0.01	
Crotonaldehyde		ND		ND	
Butyraldehyde		0.22		0.22	
Benzaldehyde		0.02		0.02	
Isovaleraldehyde		ND		ND	
Valeraldehyde		0.02		0.01	
Tolualdehydes		0.06		0.03	
Hexaldehyde		0.02		0.04	
2,5-Dimethylbenzaldehyde		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.347	Y	0.332	Y

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SAMPLE NUMBER	24854	25002	25115	25252	25384 D1	25384 R1
SAMPLE DATE	1/2/2002	1/8/2002	1/14/2002	1/20/2002	1/26/2002	1/26/2002
ANALYSIS DATE	1/23/2002	1/24/2002	1/29/2002	3/4/2002	3/14/2002	3/14/2002
FILE NAME	F2AW006	F2AW026	F2A#007	F2CE010	F2CL076	F2CL077
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.36	2.28	2.04	2.44	2.43	2.46
Acetaldehyde	1.30	1.06	1.24	1.14	1.13	1.24
Acetone	3.49	1.39	0.45	0.70	0.59	0.58
Propionaldehyde	0.11	0.08	0.11	0.15	0.14	0.13
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.01	0.01	0.01 u
Butyr/Isobutyraldehyde	0.13	0.11	0.08	0.20	0.14	0.13
Benzaldehyde	0.04	0.02	0.04	0.04	0.05	0.05
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.05	0.03	0.03	0.02	0.02
Tolualdehydes	0.03	0.05	0.03	0.04	0.04	0.04
Hexaldehyde	0.02	0.02	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.04	0.01	0.02	0.01	ND	ND

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SAMPLE NUMBER	25385 D2	25385 R2	25513	25666	25697	25833
SAMPLE DATE	1/26/2002	1/26/2002	2/1/2002	2/7/2002	2/13/2002	2/19/2002
ANALYSIS DATE	3/14/2002	3/14/2002	3/13/2002	3/22/2002	3/22/2002	4/1/2002
FILE NAME	F2CL078	F2CL079	F2CL036	F2CT029	F2CT035	F2DA010
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.25	2.25	2.33	1.80	3.37	2.70
Acetaldehyde	1.09	1.09	0.97	0.56	1.33	1.06
Acetone	0.43	0.43	0.52	0.41	1.89	0.82
Propionaldehyde	0.14	0.14	0.06	0.03	0.09	0.08
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.12	0.12	0.12	0.07	0.13	0.14
Benzaldehyde	0.04	0.04	0.02	0.11	0.03	0.02
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.03	0.02	0.01	0.02	0.02
Tolualdehydes	0.03	0.03	0.03	0.02	0.02	0.02
Hexaldehyde	0.02	0.02	0.02	0.01	0.01	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE NUMBER	25991 D1	25991 R1	25992 D2	25992 R2	26124	26344
SAMPLE DATE	2/25/2002	2/25/2002	2/25/2002	2/25/2002	3/3/2002	3/9/2002
ANALYSIS DATE	4/4/2002	4/4/2002	4/4/2002	4/4/2002	4/9/2002	4/20/2002
FILE NAME	F2DD053	F2DD054	F2DD055	F2DD056	F2DI014	F2DS032
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.00	2.99	2.94	2.94	2.29	2.53
Acetaldehyde	1.47	1.45	1.46	1.45	0.83	1.55
Acetone	1.06	1.06	0.96	0.96	0.41	0.38
Propionaldehyde	0.10	0.10	0.11	0.11	0.05	0.19
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.11	0.11	0.12	0.11	0.06	0.14
Benzaldehyde	0.04	0.04	0.04	0.04	0.04	0.04
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.02	0.02	0.02	0.01	0.09
Tolualdehydes	0.03	0.03	0.02	0.02	0.02	0.06
Hexaldehyde	0.01	0.01	0.01	0.01	0.02	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	0.02

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SAMPLE NUMBER	26348	26402	26499	26594	26673	26820
SAMPLE DATE	3/15/2002	3/21/2002	3/27/2002	4/2/2002	4/8/2002	4/14/2002
ANALYSIS DATE	4/20/2002	4/29/2002	4/30/2002	5/11/2002	5/14/2002	5/16/2002
FILE NAME	F2DS036	F2D#010	F2D#042	F2EJ023	F2EM040	F2EO027
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.06	2.09	2.36	3.23	4.07	2.87
Acetaldehyde	1.66	0.57	0.82	1.38	1.42	1.06
Acetone	0.58	0.44	0.47	0.97	0.78	0.49
Propionaldehyde	0.19	0.04	0.06	0.22	0.06	0.11
Crotonaldehyde	0.02	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.17	0.20	0.12	0.24	0.30	0.32
Benzaldehyde	0.06	0.04	0.04	0.08	0.03	0.04
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.11	0.01	0.01	0.03	0.01	0.02
Tolualdehydes	0.04	0.02	0.04	0.03	0.01	0.10
Hexaldehyde	0.03	0.01 u	0.02	0.08	0.01	0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE NUMBER	27049	24241	*27340	27407	27499 D1	27500 D2
SAMPLE DATE	4/20/2002	4/26/2002	5/2/2002	5/8/2002	5/14/2002	5/14/2002
ANALYSIS DATE	5/22/2002	5/23/2002	5/29/2002	VOID	VOID	VOID
FILE NAME	F2EU057	F2EU064	F2E#015	VOID	VOID	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.15	1.81	7.98			
Acetaldehyde	1.01	0.00 u	0.31			
Acetone	0.38	0.00 u	ND			
Propionaldehyde	0.09	ND	0.05			
Crotonaldehyde	0.00 u	0.01 u	ND			
Butyr/Isobutyraldehyde	0.23	0.05	ND			
Benzaldehyde	0.03	0.02	0.06			
Isovaleraldehyde	ND	ND	ND			
Valeraldehyde	0.02	0.01	ND			
Tolualdehydes	0.01 u	0.01	0.05			
Hexaldehyde	0.06	0.02	ND			
2,5-Dimethylbenzaldehyde	ND	ND	ND			

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SAMPLE NUMBER	27657	27757	27857	27933	##28044	28247
SAMPLE DATE	5/20/2002	5/26/2002	6/1/2002	6/7/2002	6/13/2002	6/20/2002
ANALYSIS DATE	6/8/2002	VOID	VOID	7/9/2002	8/22/2002	7/17/2002
FILE NAME	F2FG030	VOID	VOID	V2GI007	V2HU010	F2GP023
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.51			5.69	0.92	3.50
Acetaldehyde	0.93			1.74	ND	0.89
Acetone	0.57			0.76	ND	0.29
Propionaldehyde	0.04			0.12	ND	0.10
Crotonaldehyde	0.01 u			0.22	0.01 u	ND
Butyr/Isobutyraldehyde	0.23			0.12	0.04	0.21
Benzaldehyde	0.02			0.09	0.04	0.14
Isovaleraldehyde	ND			ND	ND	ND
Valeraldehyde	0.01			0.02	0.00 u	0.02
Tolualdehydes	0.06			0.06	0.02	0.02
Hexaldehyde	0.00 u			0.05	ND	0.02
2,5-Dimethylbenzaldehyde	ND			ND	ND	ND

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SAMPLE NUMBER	28533 D1	28533 R1	28534 D2	28534 R2	28538	*28649
SAMPLE DATE	6/25/2002	6/25/2002	6/25/2002	6/25/2002	7/1/2002	7/7/2002
ANALYSIS DATE	7/12/2002	7/12/2002	7/12/2002	7/12/2002	7/11/2002	8/22/2002
FILE NAME	V2GK031	V2GK032	V2GK033	V2GK034	V2GK008	V2HU015
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	***54.03	***53.96	***22.13	***21.98	2.23	1.53
Acetaldehyde	5.33	5.31	2.59	2.60	0.91	0.03
Acetone	1.87	1.86	0.80	0.80	0.45	ND
Propionaldehyde	0.18	0.18	0.24	0.24	0.07	ND
Crotonaldehyde	0.06	0.07	0.02	0.02	ND	ND
Butyr/Isobutyraldehyde	0.42	0.42	0.17	0.17	0.04	0.16
Benzaldehyde	0.40	0.44	0.24	0.23	0.05	0.02
Isovaleraldehyde	0.03	0.06	0.02	0.04	0.01	ND
Valeraldehyde	0.35	0.34	0.13	0.15	0.02	ND
Tolualdehydes	0.12	0.12	0.08	0.07	0.03	0.07
Hexaldehyde	0.77	0.76	0.31	0.31	0.02	ND
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE NUMBER	28720	*28783	28943	29025	*29113	29191
SAMPLE DATE	7/13/2002	7/19/2002	7/25/2002	7/31/2002	8/6/2002	8/12/2002
ANALYSIS DATE	7/31/2002	8/5/2002	VOID	9/9/2002	9/10/2002	VOID
FILE NAME	F2G\$027	F2HE005	VOID	F2II006	F2II031	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.90	1.80		4.26	5.65	
Acetaldehyde	ND	0.59		1.03	0.04	
Acetone	0.00 u	0.40		0.20	ND	
Propionaldehyde	0.00 u	ND		0.10	ND	
Crotonaldehyde	ND	ND		0.01 u	ND	
Butyr/Isobutyraldehyde	0.13	ND		0.11	0.15	
Benzaldehyde	0.01	ND		0.07	0.03	
Isovaleraldehyde	ND	ND		0.01	ND	
Valeraldehyde	ND	ND		0.02	ND	
Tolualdehydes	0.005 u	ND		0.05	ND	
Hexaldehyde	ND	ND		0.02	ND	
2,5-Dimethylbenzaldehyde	ND	ND		ND	ND	

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SAMPLE NUMBER	29280	29461	29600	29686	29855 D1	29855 R1
SAMPLE DATE	8/18/2002	8/24/2002	8/30/2002	9/5/2002	9/11/2002	9/11/2002
ANALYSIS DATE	9/5/2002	9/17/2002	9/17/2002	9/18/2002	10/14/2002	10/14/2002
FILE NAME	V2ID051	F2IP022	F2IP036	F2IR010	V2JN006	V2JN007
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.52	6.09	2.61	2.25	1.65	1.62
Acetaldehyde	1.06	1.61	0.92	0.68	0.54	0.55
Acetone	0.47	0.58	0.40	0.45	0.16	0.16
Propionaldehyde	0.15	0.08	0.09	0.07	0.10	0.10
Crotonaldehyde	0.01 u	0.03	0.01 u	0.01 u	0.01 u	0.005 u
Butyr/Isobutyraldehyde	0.37	0.49	0.30	0.41	0.25	0.24
Benzaldehyde	0.03	0.06	0.05	0.26	0.14	0.15
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.01	0.02	0.01	0.01	0.01
Tolualdehydes	0.05	0.03	0.03	0.02	0.03	0.03
Hexaldehyde	0.01	0.02	0.03	0.01	0.01	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE NUMBER	29856 D2	29856 R2	29892	30004	30029	30133
SAMPLE DATE	9/11/2002	9/11/2002	9/17/2002	9/24/2002	9/29/2002	10/5/2002
ANALYSIS DATE	10/14/2002	10/14/2002	10/15/2002	10/16/2002	10/24/2002	11/4/2002
FILE NAME	V2JN008	V2JN009	V2JN017	V2JP006	V2JX005	V2KD007
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.71	1.74	5.05	2.26	3.73	3.73
Acetaldehyde	0.57	0.58	1.84	0.75	1.63	1.48
Acetone	0.16	0.16	0.41	0.24	0.35	0.44
Propionaldehyde	0.11	0.11	0.18	0.08	0.22	0.21
Crotonaldehyde	0.004 u	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.25	0.25	0.28	0.15	0.19	0.15
Benzaldehyde	0.14	0.15	0.06	0.05	0.04	0.04
Isovaleraldehyde	ND	ND	ND	0.01	ND	ND
Valeraldehyde	0.01	0.01	0.03	0.01	0.02	0.03
Tolualdehydes	0.03	0.02	0.04	0.03	0.04	0.05
Hexaldehyde	0.01	0.01	0.02	0.01	0.02	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE NUMBER	30227	30265	30317 D1	30317 R1	30318 D2	30318 R2
SAMPLE DATE	10/11/2002	10/17/2002	10/23/2002	10/23/2002	10/23/2002	10/23/2002
ANALYSIS DATE	11/13/2002	11/22/2002	12/3/2002	12/3/2002	12/3/2002	12/3/2002
FILE NAME	V2KM011	V2KV008	V2LB019	V2LB020	V2LB017	V2LB018
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.45	3.18	2.15	2.17	2.63	2.62
Acetaldehyde	1.14	1.25	0.76	0.77	1.07	1.06
Acetone	0.39	1.00	0.33	0.33	0.35	0.35
Propionaldehyde	0.10	0.06	0.07	0.07	0.10	0.10
Crotonaldehyde	0.01 u	0.01 u	0.003 u	0.004 u	0.005 u	0.01 u
Butyr/Isobutyraldehyde	0.12	0.10	0.08 u	0.08 u	0.09	0.09
Benzaldehyde	0.04	0.02	0.03	0.03	0.04	0.04
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.01	0.01	0.01	0.02	0.02
Tolualdehydes	0.03	0.03	0.03	0.02	0.03	0.04
Hexaldehyde	0.01	0.01	0.01	0.02	0.02	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE NUMBER	30445	#30501	#30639	#30674	#30805	?30865
SAMPLE DATE	10/29/2002	11/4/2002	11/10/2002	11/16/2002	11/22/2002	11/28/2002
ANALYSIS DATE	VOID	12/18/2002	12/21/2002	12/23/2002	12/24/2002	1/9/2003
FILE NAME	VOID	V2LQ011	V2LT027	V2LW011	V2LW053	V3AH036
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde		3.29	2.56	1.72	2.08	2.22
Acetaldehyde		1.42	1.08	0.77	0.77	1.20
Acetone		2.25	0.92	0.54	0.49	0.94
Propionaldehyde		0.13	0.10	0.07	0.02	0.07
Crotonaldehyde		0.004 u	0.004 u	0.004 u	ND	0.005 u
Butyr/Isobutyraldehyde		0.12	0.14	0.10	0.10	0.11
Benzaldehyde		0.19	0.08	0.15	0.01	0.03
Isovaleraldehyde		ND	ND	ND	ND	ND
Valeraldehyde		0.04	0.02	0.01	0.004 u	0.01
Tolualdehydes		0.04	0.05	0.02	0.02	0.03
Hexaldehyde		0.02	0.03	0.01	0.01	0.01
2,5-Dimethylbenzaldehyde		ND	ND	ND	ND	ND

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SAMPLE NUMBER	30917	31013	31121	31302	31393
SAMPLE DATE	12/4/2002	12/10/2002	12/16/2002	12/22/2002	12/28/2002
ANALYSIS DATE	1/9/2003	1/14/2003	1/21/2003	2/2/2003	2/3/2003
FILE NAME	V3AH026	V3AM024	V3AT018	V3BB018	V3BC010
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.26	1.99	2.53	2.91	1.76
Acetaldehyde	1.27	0.80	1.32	1.70	1.09
Acetone	0.47	0.31	1.31	1.19	1.04
Propionaldehyde	0.12	0.08	0.10	0.14	0.04
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.02 u	0.004 u
Butyr/Isobutyraldehyde	0.11	0.10	0.14	0.16	0.08 u
Benzaldehyde	0.05	0.06	0.03	0.04	0.02
Isovaleraldehyde	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.01	0.02	0.05	0.01
Tolualdehydes	0.04	0.02	0.03	0.06	0.02
Hexaldehyde	0.01	0.01	0.01	0.04	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND

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(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	F2CL013 25251 FB 1/22/2002 3/12/2002	Meets Criteria (Y/N)	F2CL035 25512 FB 1/28/2002 3/13/2002	Meets Criteria (Y/N)	F2CL038 25514 FB 2/4/2002 3/13/2002	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.014	Y	0.031	Y	0.050	Y
Acetaldehyde	<0.4	0.085	Y	0.035	Y	0.054	Y
Acetone	<0.75	0.171	Y	0.353	Y	0.326	Y
Propionaldehyde		0.014		ND		0.005	
Crotonaldehyde		ND		0.012		0.011	
Butyraldehyde		0.110		0.156		0.129	
Benzaldehyde		0.020		0.018		0.015	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.017		ND		0.005	
Tolualdehydes		0.064		0.033		0.026	
Hexaldehyde		0.026		0.025		0.024	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.250	Y	0.243	Y	0.214	Y

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(µg/cartridge)

Data File ID	Acceptance	F2CT034	Meets	F2DI013	Meets	VOID	Meets
FB ID	Criteria	25696 FB	Criteria	26123 FB	Criteria	26718 FB	Criteria
Sample date	per	2/14/2002		3/3/2002		3/9/2002	
Date Analyzed	QAPP	3/22/2002	(Y/N)	4/9/2002	(Y/N)	VOID	(Y/N)
Formaldehyde	<0.3	0.035	Y	0.048	Y		Y
Acetaldehyde	<0.4	0.063	Y	0.041	Y		Y
Acetone	<0.75	0.215	Y	0.222	Y		Y
Propionaldehyde		ND		ND			
Crotonaldehyde		ND		ND			
Butyraldehyde		0.099		0.042			
Benzaldehyde		0.014		0.015			
Isovaleraldehyde		ND		ND			
Valeraldehyde		0.006		ND			
Tolualdehydes		0.022		0.037			
Hexaldehyde		0.026		0.014			
2,5-Dimethylbenzaldehyde		ND		ND			
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.167	Y	0.106	Y	0.000	Y

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(µg/cartridge)

Data File ID	Acceptance	F2DS035	Meets	F2EO023	Meets	F2EO026	Meets
FB ID	Criteria	26347 FB	Criteria	26817 FB	Criteria	26819 FB	Criteria
Sample date	per	3/15/2002		4/9/2002		4/15/2002	
Date Analyzed	QAPP	4/20/2002	(Y/N)	5/16/2002	(Y/N)	5/16/2002	(Y/N)
Formaldehyde	<0.3	0.064	Y	0.025	Y	0.094	Y
Acetaldehyde	<0.4	0.062	Y	0.050	Y	0.058	Y
Acetone	<0.75	0.220	Y	0.257	Y	0.253	Y
Propionaldehyde		0.004		0.007		0.009	
Crotonaldehyde		0.011		ND		ND	
Butyraldehyde		0.087		0.310		0.270	
Benzaldehyde		0.018		0.022		0.018	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.009		0.010		0.008	
Tolualdehydes		0.033		0.024		0.027	
Hexaldehyde		0.018		0.022		0.031	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.179	Y	0.393	Y	0.361	Y

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(µg/cartridge)

Data File ID	Acceptance	VOID	Meets	F2FG035	Meets	V2GI025	Meets
FB ID	Criteria	27406 FB	Criteria	27755 FB	Criteria	28043 FB	Criteria
Sample date	per	5/8/2002		5/21/2002		6/10/2002	
Date Analyzed	QAPP	VOID	(Y/N)	6/8/2002	(Y/N)	7/10/2002	(Y/N)
Formaldehyde	<0.3		Y	0.026	Y	0.059	Y
Acetaldehyde	<0.4		Y	0.047	Y	0.032	Y
Acetone	<0.75		Y	0.210	Y	0.172	Y
Propionaldehyde				0.007		0.007	
Crotonaldehyde				ND		ND	
Butyraldehyde				0.422		0.005	
Benzaldehyde				0.016		0.008	
Isovaleraldehyde				ND		ND	
Valeraldehyde				0.007		0.004	
Tolualdehydes				0.003		0.012	
Hexaldehyde				0.021		0.018	
2,5-Dimethylbenzaldehyde				ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.000	Y	0.474	Y	0.053	Y

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(µg/cartridge)

Data File ID	Acceptance	F2GK031	Meets	V2GQ027	Meets	F2HF020	Meets
FB ID	Criteria	28045 FB	Criteria	28650 FB	Criteria	28942 FB	Criteria
Sample date	per	6/14/2002		7/13/2002		7/25/2002	
Date Analyzed	QAPP	7/12/2002	(Y/N)	7/18/2002	(Y/N)	8/7/2002	(Y/N)
Formaldehyde	<0.3	0.030	Y	0.026	Y	0.024	Y
Acetaldehyde	<0.4	0.068	Y	0.032	Y	0.054	Y
Acetone	<0.75	0.206	Y	0.102	Y	0.309	Y
Propionaldehyde		0.005		0.007		0.005	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.013		0.005		0.068	
Benzaldehyde		ND		0.014		ND	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.006		0.006		ND	
Tolualdehydes		0.249		0.023		0.032	
Hexaldehyde		0.043		0.018		0.017	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.315	Y	0.071	Y	0.121	Y

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(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	F2II032 29114 FB 8/7/2002 9/10/2002	Meets Criteria (Y/N)	F2IP023 29462 FB 8/24/2002 9/17/2002	Meets Criteria (Y/N)	F2IP035 29599 FB 8/30/2002 9/17/2002	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.079	Y	0.066	Y	0.064	Y
Acetaldehyde	<0.4	0.086	Y	0.106	Y	0.053	Y
Acetone	<0.75	0.187	Y	0.269	Y	0.222	Y
Propionaldehyde		0.008		0.012		0.004	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.113		0.268		0.344	
Benzaldehyde		0.016		0.018		0.012	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.007		0.012		0.006	
Tolualdehydes		0.060		0.039		0.101	
Hexaldehyde		0.022		0.022		0.017	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.225	Y	0.369	Y	0.483	Y

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(µg/cartridge)

Data File ID	Acceptance	V2JP005	Meets	V2KD008	Meets	VOID	Meets
FB ID	Criteria	30003 FB	Criteria	30132 FB	Criteria	30444 FB	Criteria
Sample date	per	9/24/2002		10/7/2002		10/29/2002	
Date Analyzed	QAPP	10/16/2002	(Y/N)	37564	(Y/N)	VOID	(Y/N)
Formaldehyde	<0.3	0.048	Y	0.036	Y		Y
Acetaldehyde	<0.4	0.046	Y	0.075	Y		Y
Acetone	<0.75	0.153	Y	0.148	Y		Y
Propionaldehyde		0.006		ND			
Crotonaldehyde		ND		ND			
Butyraldehyde		0.200		0.030			
Benzaldehyde		0.011		0.007			
Isovaleraldehyde		ND		ND			
Valeraldehyde		0.005		0.006			
Tolualdehydes		0.038		0.036			
Hexaldehyde		0.010		0.015			
2,5-Dimethylbenzaldehyde		ND		ND			
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.268	Y	0.094	Y		Y

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(µg/cartridge)

Data File ID	Acceptance	#V2LQ010	Meets	#V2LW013	Meets	V3AH028	Meets
FB ID	Criteria	30502 FB	Criteria	30676 FB	Criteria	30919 FB	Criteria
Sample date	per	11/4/2002		11/16/2002		12/4/2002	
Date Analyzed	QAPP	12/18/2002	(Y/N)	12/23/2002	(Y/N)	1/9/2003	(Y/N)
Formaldehyde	<0.3	0.138	Y	0.021	Y	0.073	Y
Acetaldehyde	<0.4	0.063	Y	0.062	Y	0.120	Y
Acetone	<0.75	0.230	Y	0.146	Y	0.250	Y
Propionaldehyde		0.004		0.003		0.010	
Crotonaldehyde		ND		ND		0.011	
Butyraldehyde		0.027		0.115		0.153	
Benzaldehyde		0.015		0.016		0.014	
Isovaleraldehyde		ND		ND		0.008	
Valeraldehyde		0.004		0.005		ND	
Tolualdehydes		0.039		0.041		0.022	
Hexaldehyde		0.018		0.017		0.026	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.106	Y	0.196	Y	0.242	Y

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(µg/cartridge)

Data File ID	Acceptance	V3BB026	Meets
FB ID	Criteria	31301 FB	Criteria
Sample date	per	12/22/2002	
Date Analyzed	QAPP	2/3/2003	(Y/N)
Formaldehyde	<0.3	0.043	Y
Acetaldehyde	<0.4	0.060	Y
Acetone	<0.75	0.201	Y
Propionaldehyde		0.007	
Crotonaldehyde		ND	
Butyraldehyde		0.141	
Benzaldehyde		0.025	
Isovaleraldehyde		0.005	
Valeraldehyde		ND	
Tolualdehydes		0.034	
Hexaldehyde		0.038	
2,5-Dimethylbenzaldehyde		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.248	Y

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u - Concentration below detection limit

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

% - Sample extracted out of hold time due to power outage.

* - Compound was diluted 2X.

** - Compound was diluted 5X.

*** - Sample was diluted 10X due to high moisture content in cartridge.

- Sample was rerun due to contamination.

Grand Junction, Colorado (Site 1 - GJCO) 2002 Carbonyl Annual Data Report

SAMPLE #	24973	25089	25159	25476	25567 D1	25567 R1
SAMPLE DATE	1/2/2002	1/8/2002	1/14/2002	1/20/2002	2/1/2002	2/1/2002
ANALYSIS DATE	1/23/2002	1/24/2002	1/30/2002	VOID	3/20/2002	3/20/2002
FILE NAME	F2AW010	F2AW024	F2A#034	VOID	F2CR048	F2CR049
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.55	3.42	2.46		2.01	2.03
Acetaldehyde	0.99	1.46	0.93		0.84	0.84
Acetone	2.55	2.79	2.10		2.66	2.68
Propionaldehyde	0.09	0.16	0.10		0.08	0.09
Crotonaldehyde	0.02	0.04	0.02		0.01 u	0.02
Butyr/Isobutyraldehyde	0.21	0.29	0.19		0.17	0.17
Benzaldehyde	0.08	0.11	0.08		0.05	0.05
Isovaleraldehyde	ND	ND	ND		ND	ND
Valeraldehyde	0.05	0.07	0.05		0.03	0.03
Tolualdehydes	0.06	0.09	0.07		0.05	0.04
Hexaldehyde	0.07	0.08	0.08		0.05	0.10
2,5-Dimethylbenzaldehyde	ND	0.02	ND		ND	ND

Grand Junction, Colorado (Site 1 - GJCO) 2002 Carbonyl Annual Data Report

SAMPLE #	25569 D2	25569 R2	25679	25798	25863	26066 D1
SAMPLE DATE	2/1/2002	2/1/2002	2/7/2002	2/13/2002	2/19/2002	2/25/2002
ANALYSIS DATE	3/20/2002	3/20/2002	3/20/2002	3/21/2002	4/4/2002	4/5/2002
FILE NAME	F2CR050	F2CR051	F2CR033	F2CT017	F2DD039	F2DD066
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.96	1.96	2.93	1.83	2.39	0.92
Acetaldehyde	0.81	0.81	1.14	0.91	0.88	0.40
Acetone	2.42	2.43	5.74	2.36	1.88	1.36
Propionaldehyde	0.08	0.08	0.12	0.09	0.10	0.04
Crotonaldehyde	0.02	0.01 u	0.03	0.02	0.02	0.01 u
Butyr/Isobutyraldehyde	0.16	0.16	0.26	0.14	0.31	0.09
Benzaldehyde	0.05	0.05	0.10	0.05	0.07	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.03	0.05	0.03	0.04	0.01
Tolualdehydes	0.04	0.05	0.06	0.05	0.05	0.03
Hexaldehyde	0.04	0.05	0.09	0.03	0.04	0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND	0.01	ND	ND

Grand Junction, Colorado (Site 1 - GJCO) 2002 Carbonyl Annual Data Report

SAMPLE #	26066 R1	26068 D2	26068 R2	26137	26270	26448
SAMPLE DATE	2/25/2002	2/25/2002	2/25/2002	3/3/2002	3/9/2002	3/15/2002
ANALYSIS DATE	4/5/2002	4/5/2002	4/5/2002	4/12/2002	4/19/2002	4/24/2002
FILE NAME	F2DD067	F2DD068	F2DD069	F2DL010	F2DS013	F2DV050
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.92	0.91	0.91	1.07	1.29	1.15
Acetaldehyde	0.40	0.42	0.42	0.61	0.60	0.60
Acetone	1.33	1.30	1.29	1.82	2.04	2.83
Propionaldehyde	0.03	0.03	0.03	0.06	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	0.10	0.11	0.10	0.09	0.09	0.22
Benzaldehyde	0.03	0.03	0.03	0.02	0.04	0.04
Isovaleraldehyde	ND	ND	ND	0.05	ND	ND
Valeraldehyde	0.01	0.02	0.01	0.02	0.03	0.02
Tolualdehydes	0.03	0.03	0.03	0.07	0.03	0.04
Hexaldehyde	0.02	0.02	0.02	0.02	0.02	0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

Grand Junction, Colorado (Site 1 - GJCO) 2002 Carbonyl Annual Data Report

SAMPLE #	26445	26558	26614	26931	26975	27054
SAMPLE DATE	3/21/2002	3/27/2002	4/2/2002	4/8/2002	4/14/2002	4/20/2002
ANALYSIS DATE	4/26/2002	5/11/2002	5/11/2002	5/16/2002	5/20/2002	5/23/2002
FILE NAME	F2DZ014	F2EJ021	F2EJ032	F2EO039	F2ES022	F2EU060
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.67	1.72	1.60	1.48	1.81	1.03
Acetaldehyde	0.84	1.04	0.98	0.84	0.99	0.59
Acetone	3.38	2.02	2.45	2.69	2.99	2.72
Propionaldehyde	0.08	0.11	0.03	0.08	0.09	0.05
Crotonaldehyde	0.01 u	0.02	0.01	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.22	0.14	0.06	0.31	0.18	0.16
Benzaldehyde	0.04	0.05	ND	0.04	0.04	0.02
Isovaleraldehyde	ND	ND	0.03	0.02	0.03	0.02
Valeraldehyde	0.02	0.03	ND	ND	ND	ND
Tolualdehydes	0.04	0.06	0.16	0.05	0.06	0.04
Hexaldehyde	0.02	0.07	0.11	0.03	0.04	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

Grand Junction, Colorado (Site 1 - GJCO) 2002 Carbonyl Annual Data Report

SAMPLE #	27264
SAMPLE DATE	4/26/2002
ANALYSIS DATE	5/24/2002
FILE NAME	F2EW011
UNITS	ppbv
Formaldehyde	1.36
Acetaldehyde	0.68
Acetone	3.17
Propionaldehyde	0.03
Crotonaldehyde	0.01 u
Butyr/Isobutyraldehyde	0.14
Benzaldehyde	0.04
Isovaleraldehyde	0.02
Valeraldehyde	ND
Tolualdehydes	0.04
Hexaldehyde	0.01
2,5-Dimethylbenzaldehyde	0.02

Grand Junction, Colorado (Site 1 - GJCO) 2002 Carbonyl Annual Data Report

SAMPLE #	24973	25089	25159	25476	25567 D1	25567 R1
SAMPLE DATE	1/2/2002	1/8/2002	1/14/2002	1/20/2002	2/1/2002	2/1/2002
ANALYSIS DATE	1/23/2002	1/24/2002	1/30/2002	VOID	3/20/2002	3/20/2002
FILE NAME	F2AW010	F2AW024	F2A#034	VOID	F2CR048	F2CR049
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	3.14	4.22	3.03		2.48	2.50
Acetaldehyde	1.79	2.63	1.68		1.51	1.52
Acetone	6.08	6.64	5.01		6.33	6.38
Propionaldehyde	0.22	0.38	0.23		0.20	0.20
Crotonaldehyde	0.05	0.10	0.06		0.03	0.07
Butyr/Isobutyraldehyde	0.61	0.86	0.55		0.49	0.51
Benzaldehyde	0.34	0.49	0.35		0.23	0.23
Isovaleraldehyde	ND	ND	ND		ND	ND
Valeraldehyde	0.17	0.26	0.17		0.10	0.11
Tolualdehydes	0.30	0.45	0.33		0.22	0.20
Hexaldehyde	0.27	0.32	0.32		0.21	0.40
2,5-Dimethylbenzaldehyde	ND	0.10	ND		ND	ND

Grand Junction, Colorado (Site 1 - GJCO) 2002 Carbonyl Annual Data Report

SAMPLE #	25569 D2	25569 R2	25679	25798	25863	26066 D1
SAMPLE DATE	2/1/2002	2/1/2002	2/7/2002	2/13/2002	2/19/2002	2/25/2002
ANALYSIS DATE	3/20/2002	3/20/2002	3/20/2002	3/21/2002	4/4/2002	4/5/2002
FILE NAME	F2CR050	F2CR051	F2CR033	F2CT017	F2DD039	F2DD066
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	2.42	2.42	3.61	2.26	2.95	1.13
Acetaldehyde	1.47	1.47	2.06	1.64	1.59	0.73
Acetone	5.77	5.78	13.67	5.62	4.48	3.23
Propionaldehyde	0.20	0.20	0.27	0.22	0.23	0.09
Crotonaldehyde	0.07	0.04 u	0.09	0.05	0.06	0.02 u
Butyr/Isobutyraldehyde	0.48	0.47	0.78	0.41	0.92	0.27
Benzaldehyde	0.23	0.22	0.42	0.22	0.32	0.13
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.10	0.10	0.16	0.12	0.14	0.05
Tolualdehydes	0.18	0.23	0.29	0.26	0.25	0.16
Hexaldehyde	0.18	0.20	0.39	0.14	0.17	0.10
2,5-Dimethylbenzaldehyde	ND	ND	ND	0.04	ND	ND

Grand Junction, Colorado (Site 1 - GJCO) 2002 Carbonyl Annual Data Report

SAMPLE #	26066 R1	26068 D2	26068 R2	26137	26270	26448
SAMPLE DATE	2/25/2002	2/25/2002	2/25/2002	3/3/2002	3/9/2002	3/15/2002
ANALYSIS DATE	4/5/2002	4/5/2002	4/5/2002	4/12/2002	4/19/2002	4/24/2002
FILE NAME	F2DD067	F2DD068	F2DD069	F2DL010	F2DS013	F2DV050
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	1.14	1.13	1.12	1.32	1.59	1.41
Acetaldehyde	0.73	0.76	0.76	1.09	1.08	1.08
Acetone	3.16	3.10	3.08	4.33	4.85	6.73
Propionaldehyde	0.08	0.08	0.08	0.14	0.15	0.13
Crotonaldehyde	0.03 u	0.04 u	0.03 u	0.02 u	0.04 u	0.03 u
Butyr/Isobutyraldehyde	0.30	0.32	0.31	0.26	0.27	0.66
Benzaldehyde	0.12	0.14	0.12	0.10	0.18	0.18
Isovaleraldehyde	ND	ND	ND	0.19	ND	ND
Valeraldehyde	0.04	0.05	0.05	0.05	0.10	0.07
Tolualdehydes	0.14	0.14	0.14	0.36	0.16	0.21
Hexaldehyde	0.09	0.10	0.09	0.09	0.09	0.11
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

Grand Junction, Colorado (Site 1 - GJCO) 2002 Carbonyl Annual Data Report

SAMPLE #	26445	26558	26614	26931	26975	27054
SAMPLE DATE	3/21/2002	3/27/2002	4/2/2002	4/8/2002	4/14/2002	4/20/2002
ANALYSIS DATE	4/26/2002	5/11/2002	5/11/2002	5/16/2002	5/20/2002	5/23/2002
FILE NAME	F2DZ014	F2EJ021	F2EJ032	F2EO039	F2ES022	F2EU060
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	2.06	2.12	1.98	1.82	2.23	1.28
Acetaldehyde	1.52	1.87	1.76	1.52	1.79	1.06
Acetone	8.05	4.80	5.83	6.41	7.12	6.49
Propionaldehyde	0.18	0.26	0.08	0.19	0.22	0.13
Crotonaldehyde	0.03 u	0.06	0.04	0.02 u	0.03 u	0.02 u
Butyr/Isobutyraldehyde	0.64	0.42	0.18	0.90	0.52	0.48
Benzaldehyde	0.18	0.21	ND	0.18	0.17	0.11
Isovaleraldehyde	ND	ND	0.10	0.08	0.09	0.07
Valeraldehyde	0.08	0.09	ND	ND	ND	ND
Tolualdehydes	0.18	0.28	0.80	0.23	0.29	0.17
Hexaldehyde	0.10	0.29	0.44	0.14	0.18	0.09
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

Grand Junction, Colorado (Site 1 - GJCO) 2002 Carbonyl Annual Data Report

SAMPLE #	27264
SAMPLE DATE	4/26/2002
ANALYSIS DATE	5/24/2002
FILE NAME	F2EW011
UNITS	ug/m3
Formaldehyde	1.68
Acetaldehyde	1.23
Acetone	7.54
Propionaldehyde	0.07
Crotonaldehyde	0.03 u
Butyr/Isobutyraldehyde	0.42
Benzaldehyde	0.16
Isovaleraldehyde	0.06
Valeraldehyde	ND
Tolualdehydes	0.21
Hexaldehyde	0.04
2,5-Dimethylbenzaldehyde	0.11

Grand Junction, Colorado (GJCO) 2002 Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2A#033	Meets	F2CL023	Meets	F2DD038	Meets
FB ID	Criteria	25158	Criteria	25475	Criteria	25862	Criteria
Sample date	per	1/14/2002		1/20/2002		2/19/2002	
Date Analyzed	QAPP	1/30/2002	(Y/N)	3/13/2002	(Y/N)	4/4/2002	(Y/N)
Formaldehyde	<0.3	0.05	Y	0.04	Y	0.02	Y
Acetaldehyde	<0.4	0.06	Y	0.06	Y	0.07	Y
Acetone	<0.75	0.26	Y	0.19	Y	0.22	Y
Propionaldehyde		ND		ND		ND	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.09		0.12		0.07	
Benzaldehyde		0.01		0.02		0.01	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		ND		ND		ND	
Tolualdehydes		0.02		0.03		ND	
Hexaldehyde		0.04		0.02		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.159	Y	0.194	Y	0.101	Y

Grand Junction, Colorado (GJCO) 2002 Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2DS012	Meets	F2DV049	Meets	F2ES021	Meets
FB ID	Criteria	26269	Criteria	26447	Criteria	26974 FB	Criteria
Sample date	per	3/9/2002		3/15/2002		4/14/2002	
Date Analyzed	QAPP	4/19/2002	(Y/N)	4/24/2002	(Y/N)	5/19/2002	(Y/N)
Formaldehyde	<0.3	0.05	Y	0.06	Y	0.03	Y
Acetaldehyde	<0.4	0.08	Y	0.09	Y	0.05	Y
Acetone	<0.75	0.23	Y	0.23	Y	0.20	Y
Propionaldehyde		0.01		0.01		0.01	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.04		0.23		0.21	
Benzaldehyde		0.02		0.01		0.01	
Isovaleraldehyde		ND		ND		0.01	
Valeraldehyde		ND		0.01		ND	
Tolualdehydes		0.35		0.05		0.05	
Hexaldehyde		0.03		0.02		0.03	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.435	Y	0.331	Y	0.316	Y

Grand Junction, Colorado (GJCO) 2002 Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	F2EU059 27053 FB 4/20/2002 5/23/2002	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.04	Y
Acetaldehyde	<0.4	0.08	Y
Acetone	<0.75	0.20	Y
Propionaldehyde		0.01	
Crotonaldehyde		ND	
Butyraldehyde		0.18	
Benzaldehyde		0.02	
Isovaleraldehyde		0.01	
Valeraldehyde		ND	
Tolualdehydes		0.24	
Hexaldehyde		0.02	
2,5-Dimethylbenzaldehyde		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.475	Y

Gulfport, Mississippi (GPMS) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	25066	25272	25588	25804	26032 D1	26032 R1
SAMPLE DATE	1/8/2002	1/20/2002	2/1/2002	2/13/2002	2/25/2002	2/25/2002
ANALYSIS DATE	1/25/2002	3/5/2002	3/19/2002	3/22/2002	4/13/2002	4/13/2002
FILE NAME	F2AY012	F2CE024	F2CR015	F2CT021	F2DL031	F2DL032
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.69	2.45	2.41	3.38	2.45	2.45
Acetaldehyde	0.71	0.80	0.61	1.19	0.85	0.85
Acetone	1.36	0.54	0.89	2.33	0.38	0.38
Propionaldehyde	0.06	0.06	0.05	0.10	0.06	0.06
Crotonaldehyde	0.006 u	0.005 u	0.005 u	0.01	0.006 u	0.005 u
Butyr/Isobutyraldehyde	0.09	0.14	0.09	0.15	0.06	0.06
Benzaldehyde	0.03	0.03	0.02	0.04	0.03	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.02	0.02	0.04	0.02	0.01
Tolualdehydes	0.02	0.02	0.01	0.04	0.02	0.02
Hexaldehyde	0.03	0.04	0.04	0.04	0.02	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, sample cartridge came to room temperature due to power outage.

Gulfport, Mississippi (GPMS) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	26030 D2	26030 R2	26284	26411	26647	26938
SAMPLE DATE	2/25/2002	2/25/2002	3/9/2002	3/21/2002	4/2/2002	4/14/2002
ANALYSIS DATE	4/13/2002	4/13/2002	4/20/2002	4/26/2002	5/13/2002	5/16/2002
FILE NAME	F2DL029	F2DL030	F2DS021	F2DZ008	F2EM017	F2EO041
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.54	2.53	2.31	2.74	3.09	3.59
Acetaldehyde	0.93	0.92	0.66	0.90	0.90	0.67
Acetone	0.29	0.28	0.52	0.92	0.17	0.25
Propionaldehyde	0.08	0.08	0.04	0.04	0.06	0.02
Crotonaldehyde	0.004 u	0.004 u	0.007 u	0.004 u	0.003 u	0.003 u
Butyr/Isobutyraldehyde	0.06	0.06	0.06	0.16	0.11	0.18
Benzaldehyde	0.03	0.03	0.03	0.03	0.04	0.02
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.02	0.03	0.02	0.02	0.02
Tolualdehydes	0.03	0.02	0.02	0.02	0.02	0.01
Hexaldehyde	0.03	0.02	0.02	0.03	0.05	0.04
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, sample cartridge came to room temperature due to power outage.

Gulfport, Mississippi (GPMS) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	27274	27464	27681	27837	28117	28367 D1
SAMPLE DATE	4/26/2002	5/8/2002	5/20/2002	6/1/2002	6/13/2002	6/25/2002
ANALYSIS DATE	5/24/2002	6/4/2002	6/8/2002	6/20/2002	7/11/2002	7/29/2002
FILE NAME	F2EW015	F2FC026	F2FG023	F2FT008	F2GK012	F2G#008
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	6.40	3.19	5.70	4.97	5.16	4.09
Acetaldehyde	1.42	0.69	1.21	0.91	1.00	0.69
Acetone	0.64	0.15	1.31	0.34	0.32	0.16
Propionaldehyde	0.08	0.03	0.06	0.08	0.09	0.07
Crotonaldehyde	0.003 u	0.003 u	0.005 u	0.004 u	0.005 u	0.004 u
Butyr/Isobutyraldehyde	0.15	0.16	0.17	0.22	0.07	0.12
Benzaldehyde	0.05	0.02	0.03	0.08	0.05	0.04
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.02	0.03	0.04	0.03	0.03
Tolualdehydes	0.01	0.02	0.02	0.04	0.05	0.02
Hexaldehyde	0.05	0.03	0.05	0.07	0.06	0.03
2,5-Dimethylbenzaldehyde	0.001 u	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, sample cartridge came to room temperature due to power outage.

Gulfport, Mississippi (GPMS) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	28367 R1	28369 D2	28369 R2	28587	28864	29057
SAMPLE DATE	6/25/2002	6/25/2002	6/25/2002	7/7/2002	7/19/2002	7/31/2002
ANALYSIS DATE	7/29/2002	7/29/2002	7/29/2002	7/17/2002	8/6/2002	9/6/2002
FILE NAME	F2G#009	F2G#010	F2G#011	V2GP018	F2HE019	F2IE020
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	4.10	3.39	3.40	3.66	2.83	3.89
Acetaldehyde	0.68	0.51	0.50	0.78	0.57	0.83
Acetone	0.16	0.20	0.20	0.44	0.99	0.31
Propionaldehyde	0.07	0.05	0.05	0.06	ND	0.06
Crotonaldehyde	ND	ND	ND	0.06	0.009 u	0.008 u
Butyr/Isobutyraldehyde	0.14	0.13	0.13	0.06 u	0.19	0.09
Benzaldehyde	0.04	0.04	0.04	0.05	0.03	0.08
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.02	0.02	0.03	0.02	0.06
Tolualdehydes	0.03	0.04	0.04	0.04	0.04	0.04
Hexaldehyde	0.03	0.03	0.03	0.05	0.03	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, sample cartridge came to room temperature due to power outage.

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SAMPLE #	29244	29505	29722	29925	30051	30239
SAMPLE DATE	8/12/2002	8/24/2002	9/5/2002	9/17/2002	9/29/2002	10/11/2002
ANALYSIS DATE	9/5/2002	9/16/2002	9/25/2002	VOID	10/23/2002	11/14/2002
FILE NAME	V2ID041	F2IP010	F2IX026	VOID	V2JW013	V2KM021
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.17	4.39	5.79		3.78	3.95
Acetaldehyde	0.60	1.00	1.28		1.10	1.45
Acetone	0.31	0.29	0.55		0.47	0.82
Propionaldehyde	0.04	0.09	0.08		0.09	0.10
Crotonaldehyde	0.003 u	0.01	0.009 u		0.004 u	0.005 u
Butyr/Isobutyraldehyde	0.14	0.24	0.28		0.13	0.12
Benzaldehyde	0.03	0.05	0.07		0.05	0.04
Isovaleraldehyde	ND	ND	ND		0.01	ND
Valeraldehyde	0.02	0.02	0.04		0.03	0.03
Tolualdehydes	0.03	0.03	0.06		0.03	0.03
Hexaldehyde	0.02	0.03	0.03		0.04	0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND		ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, sample cartridge came to room temperature due to power outage.

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SAMPLE #	30368 D1	30368 R1	30370 D2	30370 R2	#30553	#30700
SAMPLE DATE	10/23/2002	10/23/2002	10/23/2002	10/23/2002	11/4/2002	11/16/2002
ANALYSIS DATE	11/27/2002	11/27/2002	11/27/2002	11/27/2002	12/18/2002	12/24/2002
FILE NAME	V2KY076	V2KY077	V2KY078	V2KY079	V2LQ039	V2LW034
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.40	2.39	2.79	2.79	2.09	1.74
Acetaldehyde	0.70	0.70	0.69	0.70	0.87	0.80
Acetone	0.33	0.33	0.50	0.51	0.26	0.74
Propionaldehyde	0.08	0.08	0.04	0.06	0.09	0.06
Crotonaldehyde	0.004 u	0.004 u	0.005 u	0.004 u	0.004 u	0.003 u
Butyr/Isobutyraldehyde	0.02 u	0.10	0.11	0.10	0.09	0.10
Benzaldehyde	0.03	0.04	0.04	0.04	0.04	0.02
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.02	0.02	0.02	0.02	0.01
Tolualdehydes	0.03	0.03	0.03	0.02	0.04	0.02
Hexaldehyde	0.03	0.03	0.03	0.04	0.02	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, sample cartridge came to room temperature due to power outage.

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SAMPLE #	?30897	31055	31350
SAMPLE DATE	11/28/2002	12/10/2002	12/22/2002
ANALYSIS DATE	1/9/2003	1/17/2003	1/30/2003
FILE NAME	V3AH014	V3AP026	V3A\$012
UNITS	ppbv	ppbv	ppbv
Formaldehyde	2.09	1.72	2.16
Acetaldehyde	0.90	0.63	0.89
Acetone	1.29	0.71	0.42
Propionaldehyde	0.07	0.06	0.06
Crotonaldehyde	0.01 u	0.008 u	0.004 u
Butyr/Isobutyraldehyde	0.12	0.12	0.07
Benzaldehyde	0.03	0.13	0.03
Isovaleraldehyde	ND	ND	ND
Valeraldehyde	0.02	0.01	0.01
Tolualdehydes	0.03	0.01	0.03
Hexaldehyde	0.03	0.02	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, sample cartridge came to room temperature due to power outage.

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(µg/cartridge)

Data File ID	Acceptance	F2CE023	Meets	F2CR014	Meets	F2DS020	Meets
FB ID	Criteria	25271 FB	Criteria	25587 FB	Criteria	26283 FB	Criteria
Sample date	per	1/20/2002		2/1/2002		3/9/2002	
Date Analyzed	QAPP	3/5/2002	(Y/N)	3/19/2002	(Y/N)	4/19/2002	(Y/N)
Formaldehyde	<0.3	0.020	Y	0.040	Y	0.032	Y
Acetaldehyde	<0.4	0.054	Y	0.050	Y	0.046	Y
Acetone	<0.75	0.211	Y	0.171	Y	0.212	Y
Propionaldehyde		0.006		ND		ND	
Crotonaldehyde		ND		0.012		ND	
Butyraldehyde		0.138		0.010		0.045	
Benzaldehyde		0.018		ND		0.021	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.008		ND		ND	
Tolualdehydes		0.039		0.037		0.028	
Hexaldehyde		0.024		0.020		0.020	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.231	Y	0.079	Y	0.113	Y

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(µg/cartridge)

Data File ID	Acceptance	F2EO040	Meets	F2FC025	Meets	F2GK011	Meets
FB ID	Criteria	26937 FB	Criteria	27463 FB	Criteria	28116 FB	Criteria
Sample date	per	4/14/2002		5/8/2002		6/13/2002	
Date Analyzed	QAPP	5/16/2002	(Y/N)	6/4/2002	(Y/N)	7/11/2002	(Y/N)
Formaldehyde	<0.3	0.060	Y	0.042	Y	0.030	Y
Acetaldehyde	<0.4	0.123	Y	0.126	Y	0.064	Y
Acetone	<0.75	0.235	Y	0.184	Y	0.162	Y
Propionaldehyde		0.014		0.014		0.010	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.292		0.314		0.014	
Benzaldehyde		0.019		0.010		0.069	
Isovaleraldehyde		0.003		ND		ND	
Valeraldehyde		0.012		0.016		0.015	
Tolualdehydes		0.056		0.046		0.071	
Hexaldehyde		0.029		0.024		0.024	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.423	Y	0.424	Y	0.200	Y

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(µg/cartridge)

Data File ID	Acceptance	V2GP017	Meets	V2ID040	Meets	F2IX025	Meets
FB ID	Criteria	28586 FB	Criteria	29243 FB	Criteria	29721 FB	Criteria
Sample date	per	7/7/2002		8/12/2002		9/5/2002	
Date Analyzed	QAPP	7/17/2002	(Y/N)	9/5/2002	(Y/N)	9/25/2002	(Y/N)
Formaldehyde	<0.3	0.039	Y	0.030	Y	0.065	Y
Acetaldehyde	<0.4	0.060	Y	0.081	Y	0.050	Y
Acetone	<0.75	0.139	Y	0.150	Y	0.215	Y
Propionaldehyde		0.010		0.007		ND	
Crotonaldehyde		0.019		ND		ND	
Butyraldehyde		0.009		0.150		0.397	
Benzaldehyde		0.035		0.010		0.013	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.008		0.008		0.007	
Tolualdehydes		0.043		0.040		0.070	
Hexaldehyde		0.017		0.021		0.016	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.139	Y	0.235	Y	0.501	Y

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(µg/cartridge)

Data File ID	Acceptance	V2KM022	Meets	V2LQ038	Meets	V3AP027	Meets
FB ID	Criteria	30238 FB	Criteria	#30552 FB	Criteria	31054 FB	Criteria
Sample date	per	10/11/2002		11/4/2002		12/10/2002	
Date Analyzed	QAPP	11/14/2002	(Y/N)	12/18/2002	(Y/N)	1/17/2003	(Y/N)
Formaldehyde	<0.3	0.258	Y	0.102	Y	0.094	Y
Acetaldehyde	<0.4	0.095	Y	0.101	Y	0.151	Y
Acetone	<0.75	0.182	Y	0.247	Y	0.264	Y
Propionaldehyde		ND		0.004		0.008	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.105		0.105		0.264	
Benzaldehyde		0.021		0.021		0.021	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.009		0.004		0.005	
Tolualdehydes		0.043		0.027		0.029	
Hexaldehyde		0.028		0.049		0.018	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.205	Y	0.209	Y	0.344	Y

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SAMPLE #	25070	25269	25594	25808	26034 D1	26034 R1
SAMPLE DATE	1/8/2002	1/20/2002	2/1/2002	2/13/2002	2/25/2002	2/25/2002
ANALYSIS DATE	1/25/2002	3/5/2002	3/19/2002	3/22/2002	4/13/2002	4/13/2002
FILE NAME	F2AY014	F2CE022	F2CR019	F2CT023	F2DL034	F2DL035
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.69	1.95	1.36	2.94	3.22	3.22
Acetaldehyde	1.13	0.77	0.64	1.16	1.16	1.16
Acetone	1.58	1.11	0.94	1.68	0.78	0.80
Propionaldehyde	0.11	0.05	0.08	0.10	0.08	0.09
Crotonaldehyde	0.01	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.12	0.14	0.10	0.13	0.08	0.08
Benzaldehyde	0.03	0.02	0.02	0.03	0.03	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.01	0.01	0.03	0.01	0.02
Tolualdehydes	0.03	0.02	0.02	0.04	0.02	0.03
Hexaldehyde	0.03	0.01	0.03	0.03	0.02	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, sample cartridge came to room temperature due to power outage.

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SAMPLE #	26036 D2	26036 R2	26278	26409	26649	26897
SAMPLE DATE	2/25/2002	2/25/2002	3/9/2002	3/21/2002	4/2/2002	4/14/2002
ANALYSIS DATE	4/13/2002	4/13/2002	4/19/2002	4/26/2002	5/13/2002	5/19/2002
FILE NAME	F2DL036	F2DL037	F2DS017	F2DZ007	F2EM018	F2ES011
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.23	3.22	1.97	1.67	3.19	2.95
Acetaldehyde	1.17	1.16	0.99	0.80	1.45	1.24
Acetone	0.71	0.69	0.74	1.15	1.02	0.78
Propionaldehyde	0.09	0.09	0.06	0.07	0.14	0.16
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.005 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.08	0.08	0.07	0.20	0.20	0.22
Benzaldehyde	0.03	0.02	0.02	0.03	0.06	0.05
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.02	0.02	0.02	0.04	0.04
Tolualdehydes	0.03	0.03	0.02	0.04	0.06	0.14
Hexaldehyde	0.02	0.01	0.02	0.02	0.12	0.05
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	0.003	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, sample cartridge came to room temperature due to power outage.

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SAMPLE #	27278	27458	27677	27850	28114	28379 D1
SAMPLE DATE	4/26/2002	5/8/2002	5/20/2002	6/1/2002	6/13/2002	6/25/2002
ANALYSIS DATE	5/24/2002	6/4/2002	6/8/2002	6/20/2002	7/11/2002	7/31/2002
FILE NAME	F2EW017	F2FC022	F2FG021	F2FT017	F2GK010	F2G\$047
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.49	4.72	4.05	6.29	8.84	4.44
Acetaldehyde	1.25	1.02	1.30	1.58	1.79	0.84
Acetone	1.19	0.61	1.31	1.23	0.63	0.51
Propionaldehyde	0.07	0.14	0.10	0.10	0.20	0.07
Crotonaldehyde	0.0040 u	0.01 u	0.01 u	0.0041 u	0.01	ND
Butyr/Isobutyraldehyde	0.19	0.27	0.24	0.19	0.08	0.14
Benzaldehyde	0.03	0.12	0.04	0.08	0.11	0.04
Isovaleraldehyde	ND	ND	ND	ND	ND	0.14
Valeraldehyde	0.02	0.05	0.03	0.08	0.05	0.06
Tolualdehydes	0.02	0.06	0.03	0.08	0.14	ND
Hexaldehyde	0.02	0.03	0.03	0.05	0.06	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	0.001 u

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, sample cartridge came to room temperature due to power outage.

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SAMPLE #	28379 R1	28381 D2	28381 R2	28629	28866	29055
SAMPLE DATE	6/25/2002	6/25/2002	6/25/2002	7/7/2002	7/19/2002	7/31/2002
ANALYSIS DATE	7/31/2002	7/31/2002	8/1/2002	7/18/2002	8/6/2002	9/6/2002
FILE NAME	F2G\$048	F2G\$049	F2G\$050	V2GQ023	F2HE020	F2IE019
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	4.44	4.46	4.46	2.18	7.52	5.95
Acetaldehyde	0.86	0.94	0.93	0.76	1.84	1.15
Acetone	0.51	0.48	0.48	1.19	0.88	0.40
Propionaldehyde	0.07	0.09	0.09	0.10	0.17	0.09
Crotonaldehyde	0.02	0.01	0.02	0.01 u	ND	0.01 u
Butyr/Isobutyraldehyde	0.14	0.13	0.14	0.08	0.17	0.18
Benzaldehyde	0.05	0.05	0.03	0.07	0.04	0.19
Isovaleraldehyde	0.03	0.04	0.05	ND	ND	0.02
Valeraldehyde	0.02	0.04	0.03	0.04	0.04	0.07
Tolualdehydes	ND	ND	ND	0.09	0.06	0.04
Hexaldehyde	0.01	0.03	0.02	0.05	0.03	0.02
2,5-Dimethylbenzaldehyde	0.002 u	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, sample cartridge came to room temperature due to power outage.

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SAMPLE #	29235	29507	29725	29923	30049	30280
SAMPLE DATE	8/12/2002	8/24/2002	9/5/2002	9/17/2002	9/29/2002	10/18/2002
ANALYSIS DATE	9/5/2002	9/16/2002	9/25/2002	10/4/2002	10/23/2002	11/6/2002
FILE NAME	V2ID035	F2IP011	F2IX028	F2JB057	V2JW012	V2KE022
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.52	4.43	7.85	4.30	3.51	2.78
Acetaldehyde	0.26	1.26	2.07	1.01	1.32	1.27
Acetone	0.63	0.58	0.81	0.44	0.72	1.44
Propionaldehyde	0.02	0.12	0.13	0.09	0.10	0.12
Crotonaldehyde	0.01	0.02	0.02	0.01	0.01	0.01
Butyr/Isobutyraldehyde	0.17	0.26	0.29	0.31	0.18	0.18
Benzaldehyde	0.01	0.23	0.08	0.04	0.05	0.06
Isovaleraldehyde	0.003	0.01	ND	0.01	0.01	ND
Valeraldehyde	0.01	0.05	0.06	0.02	0.05	0.08
Tolualdehydes	0.01	0.09	0.08	0.05	0.05	0.05
Hexaldehyde	0.01	0.03	0.03	0.01	0.07	0.10
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, sample cartridge came to room temperature due to power outage.

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SAMPLE #	30372 D1	30372 R1	30374 D2	30374 R2	#30550	#30697
SAMPLE DATE	10/23/2002	10/23/2002	10/23/2002	10/23/2002	11/4/2002	11/16/2002
ANALYSIS DATE	11/28/2002	11/28/2002	11/28/2002	11/28/2002	12/18/2002	12/24/2002
FILE NAME	V2KY082	V2KY083	V2KY084	V2KY085	V2LQ037	V2LW035
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.20	3.18	3.52	3.51	1.07	1.65
Acetaldehyde	1.22	1.24	1.27	1.26	0.60	0.98
Acetone	0.88	0.87	0.81	0.81	0.78	0.94
Propionaldehyde	0.06	0.07	0.07	0.07	0.04	0.08
Crotonaldehyde	0.004 u	0.004 u	0.01 u	0.004 u	0.004 u	0.01 u
Butyr/Isobutyraldehyde	0.12	0.13	0.12	0.12	0.10	0.16
Benzaldehyde	0.03	0.04	0.04	0.03	0.02	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.02	0.02	0.02	0.01	0.02
Tolualdehydes	0.04	0.03	0.03	0.03	0.02	0.03
Hexaldehyde	0.03	0.02	0.02	0.04	0.01	0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, sample cartridge came to room temperature due to power outage.

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SAMPLE #	?30899	31058	31288
SAMPLE DATE	11/28/2002	12/10/2002	12/22/2002
ANALYSIS DATE	1/9/2003	1/17/2003	1/21/2003
FILE NAME	V3AH013	V3AP024	V3AU011
UNITS	ppbv	ppbv	ppbv
Formaldehyde	2.56	1.89	3.67
Acetaldehyde	1.53	0.99	1.40
Acetone	1.68	1.43	1.69
Propionaldehyde	0.11	0.09	0.10
Crotonaldehyde	0.01	0.01	0.01
Butyr/Isobutyraldehyde	0.15	0.20	0.17
Benzaldehyde	0.04	0.28	0.03
Isovaleraldehyde	ND	ND	ND
Valeraldehyde	0.03	0.02	0.03
Tolualdehydes	0.04	0.01	0.04
Hexaldehyde	0.03	0.04	0.04
2,5-Dimethylbenzaldehyde	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, sample cartridge came to room temperature due to power outage.

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(µg/cartridge)

Data File ID	Acceptance	F2CE021	Meets	F2CR018	Meets	F2DS016	Meets
FB ID	Criteria	25268 FB	Criteria	25593 FB	Criteria	26277 FB	Criteria
Sample date	per	1/20/2002		2/1/2002		3/9/2002	
Date Analyzed	QAPP	3/5/2002	(Y/N)	3/19/2002	(Y/N)	4/19/2002	(Y/N)
Formaldehyde	<0.3	0.042	Y	0.028	Y	0.028	Y
Acetaldehyde	<0.4	0.036	Y	0.041	Y	0.053	Y
Acetone	<0.75	0.203	Y	0.186	Y	0.237	Y
Propionaldehyde		0.009		0.007		0.009	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.107		0.085		0.043	
Benzaldehyde		0.018		0.015		0.015	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		ND		0.007		0.009	
Tolualdehydes		0.041		0.043		0.034	
Hexaldehyde		0.020		0.019		0.019	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.193	Y	0.175	Y	0.127	Y

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(µg/cartridge)

Data File ID	Acceptance	F2ES010	Meets	F2FC021	Meets	F2GK009	Meets
FB ID	Criteria	26896 FB	Criteria	27457 FB	Criteria	28113 FB	Criteria
Sample date	per	4/14/2002		5/8/2002		6/13/2002	
Date Analyzed	QAPP	5/19/2002	(Y/N)	6/4/2002	(Y/N)	7/11/2002	(Y/N)
Formaldehyde	<0.3	0.047	Y	0.038	Y	0.046	Y
Acetaldehyde	<0.4	0.119	Y	0.140	Y	0.144	Y
Acetone	<0.75	0.209	Y	0.185	Y	0.199	Y
Propionaldehyde		0.012		0.010		0.013	
Crotonaldehyde		ND		ND		0.010	
Butyraldehyde		0.196		0.378		0.021	
Benzaldehyde		0.015		0.024		0.042	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.008		0.013		0.012	
Tolualdehydes		0.056		0.048		0.053	
Hexaldehyde		0.035		0.030		0.027	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.321	Y	0.502	Y	0.176	Y

Jackson, Mississippi (JAMS) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V2GQ022	Meets	V2ID034	Meets	F2IX027	Meets
FB ID	Criteria	28628 FB	Criteria	29234 FB	Criteria	29724 FB	Criteria
Sample date	per	7/7/2002		8/12/2002		9/5/2002	
Date Analyzed	QAPP	7/18/2002	(Y/N)	9/5/2002	(Y/N)	9/25/2002	(Y/N)
Formaldehyde	<0.3	0.050	Y	0.023	Y	0.087	Y
Acetaldehyde	<0.4	0.093	Y	0.063	Y	0.072	Y
Acetone	<0.75	0.146	Y	0.145	Y	0.228	Y
Propionaldehyde		0.009		0.006		ND	
Crotonaldehyde		0.008		ND		ND	
Butyraldehyde		0.014		0.135		0.412	
Benzaldehyde		0.108		0.009		0.012	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.010		0.006		0.005	
Tolualdehydes		0.050		0.037		0.070	
Hexaldehyde		0.013		0.013		0.015	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.210	Y	0.204	Y	0.513	Y

Jackson, Mississippi (JAMS) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V2KE019	Meets	V2LQ036	Meets	V3AP025	Meets
FB ID	Criteria	30279 FB	Criteria	#30549 FB	Criteria	31057 FB	Criteria
Sample date	per	10/18/2002		11/4/2002		12/10/2002	
Date Analyzed	QAPP	11/6/2002	(Y/N)	12/18/2002	(Y/N)	1/17/2003	(Y/N)
Formaldehyde	<0.3	0.041	Y	0.034	Y	0.074	Y
Acetaldehyde	<0.4	0.073	Y	0.087	Y	0.066	Y
Acetone	<0.75	0.194	Y	0.225	Y	0.229	Y
Propionaldehyde		0.006		0.008		0.011	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.093		0.091		0.262	
Benzaldehyde		0.014		0.014		0.015	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.009		0.003		0.003	
Tolualdehydes		0.031		0.031		0.029	
Hexaldehyde		0.016		0.019		0.023	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.169	Y	0.164	Y	0.340	Y

Tampa, Florida (Lewis - LEFL) 2002 UATMP Carbonyl Annual Data Report

SAMPLE NUMBER	24855	25001	25114	25254	25386 D1	25386 R1
SAMPLE DATE	1/2/2002	1/8/2002	1/14/2002	1/20/2002	1/26/2002	1/26/2002
ANALYSIS DATE	1/23/2002	1/24/2002	1/29/2002	3/4/2002	3/14/2002	3/14/2002
FILE NAME	F2AW007	F2AW025	F2A#006	F2CE011	F2CL080	F2CL081
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.42	1.58	1.51	1.96	1.89	1.87
Acetaldehyde	0.81	0.98	1.01	0.93	0.91	0.94
Acetone	0.63	1.45	0.29	0.40	0.60	0.59
Propionaldehyde	0.08	0.10	0.13	0.11	0.12	0.12
Crotonaldehyde	0.004 u	0.02	0.01 u	0.008 u	0.008 u	0.008 u
Butyr/Isobutyraldehyde	0.08	0.16	0.11	0.16	0.15	0.15
Benzaldehyde	0.02	0.02	0.03	0.02	0.03	0.04
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.05	0.03	0.02	0.03	0.03
Tolualdehydes	0.02	0.04	0.03	0.02	0.03	0.03
Hexaldehyde	0.02	0.02	0.04	0.03	0.04	0.04
2,5-Dimethylbenzaldehyde	ND	ND	0.009	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

Tampa, Florida (Lewis - LEFL) 2002 UATMP Carbonyl Annual Data Report

SAMPLE NUMBER	25387 D2	25387 R2	25516	25665	25695	25834
SAMPLE DATE	1/26/2002	1/26/2002	2/1/2002	2/7/2002	2/13/2002	2/19/2002
ANALYSIS DATE	3/14/2002	3/14/2002	3/13/2002	3/22/2002	3/22/2002	4/1/2002
FILE NAME	F2CL082	F2CL083	F2CL040	F2CT028	F2CT032	F2DA011
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.80	1.77	1.82	1.43	2.14	1.94
Acetaldehyde	0.92	0.91	0.91	0.60	0.91	0.76
Acetone	0.56	0.56	0.50	0.47	1.42	0.57
Propionaldehyde	0.13	0.12	0.13	0.05	0.08	0.06
Crotonaldehyde	0.009 u	0.008 u	0.008 u	0.005 u	0.009 u	0.006 u
Butyr/Isobutyraldehyde	0.15	0.14	0.14	0.08	0.12	0.09
Benzaldehyde	0.02	0.02	0.02	0.02	0.02	0.01
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.03	0.02	0.01	0.02	0.01
Tolualdehydes	0.03	0.03	0.04	0.03	0.03	0.02
Hexaldehyde	0.04	0.04	0.03	0.01	0.03	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

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SAMPLE NUMBER	25989 D1	25989 R1	25990 D2	25990 R2	26126	26343
SAMPLE DATE	2/25/2002	2/25/2002	2/25/2002	2/25/2002	3/3/2002	3/9/2002
ANALYSIS DATE	4/4/2002	4/4/2002	4/4/2002	4/4/2002	4/9/2002	4/20/2002
FILE NAME	F2DD049	F2DD050	F2DD051	F2DD052	F2DI016	F2DS031
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.83	1.88	1.96	1.97	1.55	1.77
Acetaldehyde	0.91	0.89	0.93	0.93	0.71	0.87
Acetone	0.98	0.97	0.96	0.95	0.38	0.37
Propionaldehyde	0.07	0.06	0.07	0.06	0.06	0.07
Crotonaldehyde	0.007 u	0.006 u	0.007 u	0.007 u	0.006 u	0.005 u
Butyr/Isobutyraldehyde	0.08	0.08	0.08	0.08	0.05	0.09
Benzaldehyde	0.03	0.02	0.02	0.02	0.01	0.02
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.01	0.02	0.01	0.01	0.04
Tolualdehydes	0.02	0.02	0.02	0.02	0.01	0.04
Hexaldehyde	0.02	0.01	0.01	0.01	0.02	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

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SAMPLE NUMBER	26346	26401	26498	26593	26674	26822
SAMPLE DATE	3/15/2002	3/21/2002	3/27/2002	4/2/2002	4/8/2002	4/14/2002
ANALYSIS DATE	4/20/2002	4/29/2002	4/30/2002	5/11/2002	5/14/2002	5/16/2002
FILE NAME	F2DS034	F2D#009	F2D#041	F2EJ022	F2EM041	F2EO029
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.72	1.60	0.98	1.77	1.85	1.39
Acetaldehyde	1.35	0.81	0.65	1.11	1.00	0.80
Acetone	0.81	0.35	0.40	0.58	0.38	0.29
Propionaldehyde	0.12	0.08	0.09	0.19	0.11	0.12
Crotonaldehyde	0.01	0.006 u	0.006 u	0.009	0.01	0.01
Butyr/Isobutyraldehyde	0.15	0.22	0.14	0.16	0.19	0.21
Benzaldehyde	0.05	0.04	0.03	0.07	0.03	0.05
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.10	0.03	0.02	0.04	0.01	0.04
Tolualdehydes	0.03	0.02	0.02	0.05	0.02	0.04
Hexaldehyde	0.03	0.02	0.03	0.12	0.03	0.04
2,5-Dimethylbenzaldehyde	0.003	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

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SAMPLE NUMBER	27048	27240	27339	27409	27497 D1	27497 R1
SAMPLE DATE	4/20/2002	4/26/2002	5/2/2002	5/8/2002	5/14/2002	5/14/2002
ANALYSIS DATE	5/22/2002	5/23/2002	5/29/2002	5/29/2002	5/30/2002	5/30/2002
FILE NAME	F2EU056	F2EU063	F2E#014	F2E#020	F2E#048	F2E#049
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.59	1.99	1.43	2.75	1.92	1.90
Acetaldehyde	0.87	1.09	0.81	1.01	0.79	0.79
Acetone	0.39	0.39	0.31	0.31	0.53	0.53
Propionaldehyde	0.14	0.14	0.12	0.15	0.12	0.12
Crotonaldehyde	0.01	0.006	0.005	0.006	0.006	0.006
Butyr/Isobutyraldehyde	0.23	0.25	0.18	0.17	0.18	0.19
Benzaldehyde	0.04	0.03	0.03	0.04	0.03	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.03	0.03	0.04	0.02	0.02
Tolualdehydes	0.06	0.05	0.02	0.02	0.02	0.02
Hexaldehyde	0.03	0.09	0.03	0.03	0.02	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

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SAMPLE NUMBER	27498 D2	27498 R2	27658	27756	27858	27932
SAMPLE DATE	5/14/2002	5/14/2002	5/20/2002	5/26/2002	6/1/2002	6/7/2002
ANALYSIS DATE	5/31/2002	5/31/2002	6/8/2002	6/17/2002	6/12/2002	7/9/2002
FILE NAME	F2E#050	F2E#051	F2FG031	F2FQ009	F2FL011	V2GI006
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.07	2.09	2.45	2.48	3.26	2.74
Acetaldehyde	0.85	0.86	0.67	0.88	0.87	0.76
Acetone	0.54	0.54	0.49	0.30	0.35	0.29
Propionaldehyde	0.13	0.13	0.05	0.08	0.14	0.11
Crotonaldehyde	0.007	0.006	0.006	0.004	0.009	0.008
Butyr/Isobutyraldehyde	0.21	0.19	0.26	0.20	0.28	0.06
Benzaldehyde	0.04	0.04	0.02	0.03	0.04	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.02	0.01	0.02	0.04	0.02
Tolualdehydes	0.02	0.01	0.01	0.01	0.04	0.03
Hexaldehyde	0.05	0.05	0.01	0.02	0.04	0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

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SAMPLE NUMBER	28041	28246	28535 D1	28535 R1	28536 D2	28536 R2
SAMPLE DATE	6/13/2002	6/19/2002	6/25/2002	6/25/2002	6/25/2002	6/25/2002
ANALYSIS DATE	7/12/2002	7/17/2002	7/12/2002	7/12/2002	7/12/2002	7/12/2002
FILE NAME	F2GK034	F2GP024	V2GK035	V2GK036	V2GK037	V2GK038
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.08	2.53	1.56	1.56	1.70	1.70
Acetaldehyde	0.93	0.67	0.53	0.53	0.56	0.57
Acetone	0.30	0.17	0.21	0.21	0.18	0.18
Propionaldehyde	0.12	0.08	0.07	0.06	0.07	0.07
Crotonaldehyde	0.04	0.02	0.009	0.006	0.004 u	0.004 u
Butyr/Isobutyraldehyde	0.07	0.06	0.04	0.04	0.04	0.04
Benzaldehyde	0.04	0.04	0.05	0.03	0.03	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.01	0.01	0.02	0.01	0.01
Tolualdehydes	0.04	0.02	0.03	0.03	0.02	0.02
Hexaldehyde	0.04	0.02	0.02	0.03	0.02	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

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SAMPLE NUMBER	28537	28648	28719	28782	28945	29026
SAMPLE DATE	7/1/2002	7/7/2002	7/13/2002	7/19/2002	7/25/2002	7/31/2002
ANALYSIS DATE	7/11/2002	7/18/2002	7/31/2002	VOID	8/7/2002	9/9/2002
FILE NAME	V2GK007	V2GQ029	F2G\$026	VOID	F2HF022	F2II007
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.72	3.11	1.96		2.90	2.98
Acetaldehyde	0.57	0.92	0.70		0.84	0.83
Acetone	0.21	0.25	0.30		0.38	0.30
Propionaldehyde	0.05	0.08	0.06		0.08	0.10
Crotonaldehyde	ND	0.004 u	0.008 u		0.005 u	0.03
Butyr/Isobutyraldehyde	0.03 u	0.04 u	0.14		0.07 u	0.14
Benzaldehyde	0.05	0.08	0.02		0.02	0.08
Isovaleraldehyde	ND	ND	ND		ND	ND
Valeraldehyde	0.01	0.02	0.01		0.06	0.02
Tolualdehydes	0.03	0.06	0.02		0.03	0.06
Hexaldehyde	0.03	0.03	0.01		0.02	0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND		ND	ND

u - Concentration is below the detection limit.

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

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SAMPLE NUMBER	29111	29192	29281	29458 D1	29458 R1	29459 D2
SAMPLE DATE	8/6/2002	8/12/2002	8/18/2002	8/24/2002	8/24/2002	8/24/2002
ANALYSIS DATE	9/10/2002	VOID	9/5/2002	9/17/2002	9/17/2002	9/17/2002
FILE NAME	F2II027	VOID	V2ID052	F2IP048	F2IP049	F2IP050
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.65		3.49	3.79	3.75	3.82
Acetaldehyde	0.75		1.02	1.30	1.28	1.27
Acetone	0.27		0.31	0.63	0.62	0.61
Propionaldehyde	0.09		0.10	0.12	0.13	0.13
Crotonaldehyde	0.007 u		0.004 u	0.01 u	0.02 u	0.02 u
Butyr/Isobutyraldehyde	0.16		0.26	0.27	0.29	0.29
Benzaldehyde	0.06		0.04	0.05	0.05	0.06
Isovaleraldehyde	ND		ND	ND	ND	ND
Valeraldehyde	0.04		0.02	0.04	0.04	0.03
Tolualdehydes	0.03		0.05	0.05	0.06	0.04
Hexaldehyde	0.02		0.01	0.03	0.03	0.03
2,5-Dimethylbenzaldehyde	ND		ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

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SAMPLE NUMBER	29459 R2	29602	29685	29857 D1	29857 R1	29858 D2
SAMPLE DATE	8/24/2002	8/30/2002	9/5/2002	9/11/2002	9/11/2002	9/11/2002
ANALYSIS DATE	9/18/2002	9/17/2002	9/18/2002	10/14/2002	10/14/2002	10/14/2002
FILE NAME	F2IP051	F2IP038	F2IR011	V2JN010	V2JN011	V2JN012
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.80	2.09	1.45	1.42	1.41	1.28
Acetaldehyde	1.28	0.83	0.62	0.77	0.79	0.66
Acetone	0.61	0.26	0.24	0.20	0.21	0.20
Propionaldehyde	0.12	0.08	0.07	0.12	0.12	0.11
Crotonaldehyde	0.02 u	0.008 u	0.007 u	0.007 u	0.009 u	0.007 u
Butyr/Isobutyraldehyde	0.28	0.26	0.43	0.30	0.31	0.27
Benzaldehyde	0.06	0.04	0.03	0.03	0.02	0.03
Isovaleraldehyde	ND	ND	0.01	ND	ND	ND
Valeraldehyde	0.03	0.01	0.02	0.02	0.02	0.02
Tolualdehydes	0.05	0.04	0.02	0.03	0.03	0.03
Hexaldehyde	0.02	0.02	0.02	0.03	0.02	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

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SAMPLE NUMBER	29858 R2	29891	30006	30030	30135	30228
SAMPLE DATE	9/11/2002	9/17/2002	9/23/2002	9/29/2002	10/5/2002	10/11/2002
ANALYSIS DATE	10/14/2002	10/15/2002	10/16/2002	10/24/2002	11/4/2002	11/13/2002
FILE NAME	V2JN013	V2JN016	V2JP007	V2JX006	V2KD005	V2KM010
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.27	3.82	1.83	2.54	3.15	3.09
Acetaldehyde	0.65	1.13	0.61	0.83	1.19	1.23
Acetone	0.19	0.32	0.18	0.31	0.65	0.40
Propionaldehyde	0.11	0.10	0.06	0.08	0.13	0.16
Crotonaldehyde	0.007 u	ND	0.006 u	0.01 u	0.008 u	0.01 u
Butyr/Isobutyraldehyde	0.26	0.26	0.15	0.15	0.17	0.14
Benzaldehyde	0.03	0.07	0.03	0.03	0.03	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.04	0.01	0.02	0.02	0.02
Tolualdehydes	0.02	ND	0.05	0.04	0.06	0.04
Hexaldehyde	0.02	0.01	0.02	0.02	0.04	0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

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SAMPLE NUMBER	30266	30319 D1	30319 R1	30320 D2	30320 R2	30443
SAMPLE DATE	10/17/2002	10/23/2002	10/23/2002	10/23/2002	10/23/2002	10/29/2002
ANALYSIS DATE	11/22/2002	12/2/2002	12/2/2002	12/2/2002	12/2/2002	VOID
FILE NAME	V2KV009	V2LB013	V2LB014	V2LB011	V2LB012	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.09	2.15	2.16	2.33	2.32	
Acetaldehyde	0.97	0.76	0.75	0.81	0.81	
Acetone	0.98	0.25	0.26	0.26	0.26	
Propionaldehyde	0.07	0.06	0.06	0.09	0.07	
Crotonaldehyde	0.005 u	0.005 u	0.004 u	0.008 u	0.007 u	
Butyr/Isobutyraldehyde	0.12	0.08 u	0.08 u	0.07 u	0.06 u	
Benzaldehyde	0.02	0.02	0.03	0.03	0.03	
Isovaleraldehyde	ND	ND	ND	ND	ND	
Valeraldehyde	0.02	0.01	0.01	0.01	0.01	
Tolualdehydes	0.03	0.03	0.03	0.03	0.03	
Hexaldehyde	0.02	0.01	0.02	0.02	0.01	
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	

u - Concentration is below the detection limit.

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

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SAMPLE NUMBER	30499	#30637 D1	#30637 R1	#30638 D2	#30638 R2	#30673
SAMPLE DATE	11/4/2002	11/10/2002	11/10/2002	11/10/2002	11/10/2002	11/16/2002
ANALYSIS DATE	VOID	12/22/2002	12/22/2002	12/22/2002	12/22/2002	12/23/2002
FILE NAME	VOID	V2LT058	V2LT059	V2LT060	V2LT061	V2LW010
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde		2.14	2.13	2.17	2.18	1.21
Acetaldehyde		1.00	1.00	1.00	1.00	0.71
Acetone		0.45	0.45	0.45	0.46	0.57
Propionaldehyde		0.11	0.11	0.11	0.11	0.05
Crotonaldehyde		0.004 u	0.005 u	0.005 u	0.005 u	0.004 u
Butyr/Isobutyraldehyde		0.15	0.15	0.15	0.15	0.10
Benzaldehyde		0.03	0.03	0.03	0.03	0.02
Isovaleraldehyde		ND	ND	ND	ND	0.00 u
Valeraldehyde		0.02	0.02	0.02	0.02	0.01
Tolualdehydes		0.03	0.04	0.03	0.03	0.02
Hexaldehyde		0.02	0.03	0.03	0.04	0.01
2,5-Dimethylbenzaldehyde		ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

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SAMPLE NUMBER	?30806	30864	30918	31014	31120	31300
SAMPLE DATE	11/22/2002	11/28/2002	12/4/2002	12/10/2002	12/16/2002	12/22/2002
ANALYSIS DATE	1/9/2003	12/31/2002	1/9/2003	1/14/2003	VOD	2/2/2003
FILE NAME	V3AH027	V2L\$019	V3AH027	V3AM023	VOID	V3BB017
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.88	1.80	1.83	1.82		1.68
Acetaldehyde	1.64	0.82	1.04	1.17		1.18
Acetone	0.46	0.90	0.29	0.23		1.28
Propionaldehyde	0.11	0.05	0.07	0.09		0.11
Crotonaldehyde	0.009 u	0.005 u	0.005 u	0.005 u		0.008 u
Butyr/Isobutyraldehyde	0.13	0.12	0.08 u	0.10		0.18
Benzaldehyde	0.03	0.02	0.02	0.02		0.03
Isovaleraldehyde	ND	ND	ND	ND		ND
Valeraldehyde	0.02	0.01	0.01	0.01		0.04
Tolualdehydes	0.04	0.03	0.03	0.02		0.04
Hexaldehyde	0.02	0.02	0.01	0.01		0.06
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND		ND

u - Concentration is below the detection limit.

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

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SAMPLE NUMBER	31394
SAMPLE DATE	12/28/2002
ANALYSIS DATE	2/3/2003
FILE NAME	V3BB028
UNITS	ppbv
Formaldehyde	1.63
Acetaldehyde	1.25
Acetone	1.59
Propionaldehyde	0.10
Crotonaldehyde	0.01 u
Butyr/Isobutyraldehyde	0.18
Benzaldehyde	0.02
Isovaleraldehyde	0.04
Valeraldehyde	ND
Tolualdehydes	0.03
Hexaldehyde	0.03
2,5-Dimethylbenzaldehyde	ND

u - Concentration is below the detection limit.

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

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(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	F2CL014 25253 FB 1/20/2002 3/12/2002	Meets Criteria (Y/N)	F2CL039 25515 FB 2/1/2002 3/13/2002	Meets Criteria (Y/N)	F2CL041 25517 FB 2/4/2002 3/13/2002	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.023	Y	0.038	Y	0.016	Y
Acetaldehyde	<0.4	0.098	Y	0.116	Y	0.034	Y
Acetone	<0.75	0.165	Y	0.341	Y	0.404	Y
Propionaldehyde		0.006		0.008		ND	
Crotonaldehyde		0.012		0.012		0.012	
Butyraldehyde		0.106		0.114		0.127	
Benzaldehyde		0.017		0.020		0.017	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.015		0.014		0.004	
Tolualdehydes		0.064		0.059		0.040	
Hexaldehyde		0.025		0.024		0.017	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.245	Y	0.250	Y	0.215	Y

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(µg/cartridge)

Data File ID	F2CT031	Meets	F2DI015	Meets	VOID	Meets
FB ID	25694 FB	Criteria	26125 FB	Criteria	26719 FB	Criteria
Sample date	2/13/2002		3/3/2002		3/9/2002	
Date Analyzed	3/22/2002	(Y/N)	4/9/2002	(Y/N)	VOID	(Y/N)
Formaldehyde	0.028	Y	0.051	Y		Y
Acetaldehyde	0.060	Y	0.036	Y		Y
Acetone	0.223	Y	0.217	Y		Y
Propionaldehyde	0.004		ND			
Crotonaldehyde	ND		ND			
Butyraldehyde	0.097		0.040			
Benzaldehyde	0.015		0.013			
Isovaleraldehyde	ND		ND			
Valeraldehyde	ND		ND			
Tolualdehydes	0.027		0.034			
Hexaldehyde	0.018		0.017			
2,5-Dimethylbenzaldehyde	ND		ND			
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	0.160	Y	0.103	Y	0.000	Y

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(µg/cartridge)

Data File ID	F2DS033	Meets	F2EO024	Meets	F2EO028	Meets
FB ID	26345 FB	Criteria	26818 FB	Criteria	26821 FB	Criteria
Sample date	3/15/2002		4/9/2002		4/15/2002	
Date Analyzed	4/20/2002	(Y/N)	5/16/2002	(Y/N)	5/16/2002	(Y/N)
Formaldehyde	0.065	Y	0.037	Y	0.033	Y
Acetaldehyde	0.031	Y	0.056	Y	0.062	Y
Acetone	0.205	Y	0.239	Y	0.252	Y
Propionaldehyde	0.003		0.007		0.008	
Crotonaldehyde	ND		ND		ND	
Butyraldehyde	0.073		0.290		0.320	
Benzaldehyde	0.014		0.012		0.012	
Isovaleraldehyde	ND		ND		ND	
Valeraldehyde	ND		0.008		0.007	
Tolualdehydes	0.044		0.013		0.018	
Hexaldehyde	0.021		0.044		0.026	
2,5-Dimethylbenzaldehyde	0.007		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	0.162	Y	0.373	Y	0.390	Y

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(µg/cartridge)

Data File ID	F2E#019	Meets	F2FG034	Meets	V2GI024	Meets
FB ID	27408 FB	Criteria	27754 FB	Criteria	28040 FB	Criteria
Sample date	5/3/2002		5/21/2002		6/11/2002	
Date Analyzed	5/29/2002	(Y/N)	6/8/2002	(Y/N)	7/10/2002	(Y/N)
Formaldehyde	0.035	Y	0.021	Y	0.055	Y
Acetaldehyde	0.058	Y	0.036	Y	0.026	Y
Acetone	0.191	Y	0.208	Y	0.169	Y
Propionaldehyde	ND		0.007		0.005	
Crotonaldehyde	ND		ND		ND	
Butyraldehyde	0.314		0.342		0.005	
Benzaldehyde	0.016		0.011		0.008	
Isovaleraldehyde	ND		ND		ND	
Valeraldehyde	ND		0.008		0.002	
Tolualdehydes	0.019		ND		0.018	
Hexaldehyde	0.024		0.022		0.019	
2,5-Dimethylbenzaldehyde	ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	0.372	Y	0.389	Y	0.055	Y

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(µg/cartridge)

Data File ID	F2GK033	Meets	V2GQ030	Meets	F2HF021	Meets
FB ID	28042 FB	Criteria	28647 FB	Criteria	28944 FB	Criteria
Sample date	6/14/2002		7/7/2002		7/25/2002	
Date Analyzed	7/12/2002	(Y/N)	7/18/2002	(Y/N)	8/7/2002	(Y/N)
Formaldehyde	0.028	Y	0.051	Y	0.024	Y
Acetaldehyde	0.025	Y	0.036	Y	0.053	Y
Acetone	0.215	Y	0.213	Y	0.316	Y
Propionaldehyde	0.006		ND		ND	
Crotonaldehyde	0.009		ND		ND	
Butyraldehyde	0.009		0.006		0.071	
Benzaldehyde	0.013		0.012		0.010	
Isovaleraldehyde	ND		ND		ND	
Valeraldehyde	0.005		0.005		ND	
Tolualdehydes	0.008		0.020		0.013	
Hexaldehyde	ND		0.013		0.018	
2,5-Dimethylbenzaldehyde	ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	0.049	Y	0.054	Y	0.111	Y

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(µg/cartridge)

Data File ID	F2II028	Meets	F2IP021	Meets	F2IP037	Meets
FB ID	29112 FB	Criteria	29460 FB	Criteria	29601 FB	Criteria
Sample date	8/7/2002		8/26/2002		8/30/2002	
Date Analyzed	9/10/2002	(Y/N)	9/17/2002	(Y/N)	9/17/2002	(Y/N)
Formaldehyde	0.112	Y	0.071	Y	0.078	Y
Acetaldehyde	0.139	Y	0.048	Y	0.107	Y
Acetone	0.216	Y	0.205	Y	0.244	Y
Propionaldehyde	0.012		0.005		0.008	
Crotonaldehyde	ND		ND		ND	
Butyraldehyde	0.294		0.224		0.349	
Benzaldehyde	0.014		0.019		0.016	
Isovaleraldehyde	ND		ND		ND	
Valeraldehyde	0.012		0.008		0.006	
Tolualdehydes	0.046		0.033		0.044	
Hexaldehyde	0.017		0.018		0.019	
2,5-Dimethylbenzaldehyde	ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	0.393	Y	0.306	Y	0.441	Y

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(µg/cartridge)

Data File ID	V2JP008	Meets	V2KD006	Meets	VOID	Meets
FB ID	30005 FB	Criteria	30134 FB	Criteria	30442 FB	Criteria
Sample date	9/23/2002		10/7/2002		10/29/2002	
Date Analyzed	10/16/2002	(Y/N)	11/4/2002	(Y/N)	VOID	(Y/N)
Formaldehyde	0.032	Y	0.07	Y		Y
Acetaldehyde	0.048	Y	0.10	Y		Y
Acetone	0.133	Y	0.17	Y		Y
Propionaldehyde	0.005		0.01			
Crotonaldehyde	ND		ND			
Butyraldehyde	0.170		0.22			
Benzaldehyde	0.010		0.02			
Isovaleraldehyde	ND		ND			
Valeraldehyde	0.007		0.005			
Tolualdehydes	0.035		0.04			
Hexaldehyde	0.016		0.02			
2,5-Dimethylbenzaldehyde	ND		ND			
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	0.241	Y	0.31	Y		Y

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(µg/cartridge)

Data File ID	V2LQ012	Meets	V2LW012	Meets	V3AH029	Meets
FB ID	30500 FB	Criteria	30675 FB	Criteria	30920 FB	Criteria
Sample date	11/4/2002		11/16/2002		12/4/2002	
Date Analyzed	12/18/2002	(Y/N)	12/23/2002	(Y/N)	1/9/2003	(Y/N)
Formaldehyde	0.07	Y	0.05	Y	0.06	Y
Acetaldehyde	0.06	Y	0.10	Y	0.06	Y
Acetone	0.24	Y	0.19	Y	0.21	Y
Propionaldehyde	0.01		0.01		0.01	
Crotonaldehyde	ND		ND		0.01	
Butyraldehyde	0.04		0.14		0.15	
Benzaldehyde	0.02		0.01		0.01	
Isovaleraldehyde	ND		ND		ND	
Valeraldehyde	0.002		0.01		0.01	
Tolualdehydes	0.03		0.05		0.02	
Hexaldehyde	0.03		0.02		0.05	
2,5-Dimethylbenzaldehyde	ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	0.13	Y	0.23	Y	0.26	Y

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(µg/cartridge)

Data File ID	V3BB027	Meets Criteria (Y/N)
FB ID	31299 FB	
Sample date	12/22/2002	
Date Analyzed	2/3/2003	
Formaldehyde	0.08	Y
Acetaldehyde	0.07	Y
Acetone	0.21	Y
Propionaldehyde	0.01	
Crotonaldehyde	ND	
Butyraldehyde	0.13	
Benzaldehyde	0.01	
Isovaleraldehyde	ND	
Valeraldehyde	0.004	
Tolualdehydes	0.02	
Hexaldehyde	0.02	
2,5-Dimethylbenzaldehyde	ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	0.20	Y

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SAMPLE #	26507	26584	26684	26802	26981	27106
SAMPLE DATE	4/2/2002	4/2/2002	4/8/2002	4/14/2002	4/20/2002	4/26/2002
ANALYSIS DATE	VOID	5/13/2002	5/14/2002	5/15/2002	5/20/2002	5/22/2002
FILE NAME	VOID	F2EM010	F2EM024	F2EO007	F2ES029	F2EU028
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde		2.44	2.53	4.02	2.17	2.78
Acetaldehyde		1.21	1.39	1.87	0.99	1.13
Acetone		1.11	1.26	1.63	1.00	1.41
Propionaldehyde		0.04	0.09	0.24	0.06	0.07
Crotonaldehyde		ND	0.005 u	0.02	0.003 u	0.005 u
Butyr/Isobutyraldehyde		0.10	0.18	0.34	0.16	0.18
Benzaldehyde		0.03	0.04	0.08	0.03	0.04
Isovaleraldehyde		ND	0.01	ND	ND	ND
Valeraldehyde		0.08	0.10	0.43	0.08	0.09
Tolualdehydes		0.03	0.02	0.08	0.09	0.10
Hexaldehyde		0.32	0.32	1.71	0.24	0.29
2,5-Dimethylbenzaldehyde		ND	ND	ND	ND	ND

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SAMPLE #	27331	27510 D1	27510 R1	27512 D2	27512 R2	27641
SAMPLE DATE	5/2/2002	5/14/2002	5/14/2002	5/14/2002	5/14/2002	5/20/2002
ANALYSIS DATE	5/29/2002	6/6/2002	6/6/2002	6/6/2002	6/6/2002	6/7/2002
FILE NAME	F2E#008	F2FF008	F2FF009	F2FF010	F2FF011	F2FG010
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.66	3.25	3.23	3.08	3.04	3.01
Acetaldehyde	0.74	1.24	1.23	1.19	1.17	1.20
Acetone	1.39	1.22	1.21	0.88	0.87	3.92
Propionaldehyde	0.09	0.12	0.12	0.10	0.10	0.07
Crotonaldehyde	0.02	0.01	0.02	0.02	0.02	0.005 u
Butyr/Isobutyraldehyde	0.16	0.27	0.27	0.23	0.22	0.16
Benzaldehyde	0.04	0.07	0.07	0.05	0.06	0.10
Isovaleraldehyde	0.01	ND	ND	ND	ND	ND
Valeraldehyde	0.10	0.16	0.15	0.10	0.11	0.11
Tolualdehydes	0.04	0.06	0.07	0.09	0.07	0.04
Hexaldehyde	0.34	0.61	0.60	0.41	0.40	0.41
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	27734	27846	27924	28129	28229	28329 D1
SAMPLE DATE	5/26/2002	6/1/2002	6/7/2002	6/13/2002	6/19/2002	6/25/2002
ANALYSIS DATE	6/11/2002	6/20/2002	6/26/2002	7/12/2002	7/12/2002	7/30/2002
FILE NAME	F2FJ028	F2FT013	F2FZ010	F2GK021	F2GK030	V2G\$004
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.54	5.92	5.71	3.71	5.98	5.86
Acetaldehyde	1.32	2.18	1.57	1.12	1.90	1.83
Acetone	0.53	0.72	0.59	0.77	0.60	0.85
Propionaldehyde	0.05	0.22	0.09	0.05	0.12	0.14
Crotonaldehyde	0.003 u	0.01	ND	ND	0.03	0.01
Butyr/Isobutyraldehyde	0.18	0.24	0.20	0.09	0.06 u	0.21
Benzaldehyde	0.03	0.10	0.03	0.04	0.04	0.13
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.14	0.32	0.09	0.22	0.11	0.25
Tolualdehydes	0.03	0.05	0.01	0.04	0.05	0.10
Hexaldehyde	0.55	0.95	0.32	0.64	0.41	0.39
2,5-Dimethylbenzaldehyde	ND	0.02	ND	ND	ND	ND

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SAMPLE #	28329 R1	28330 D2	28330 R2	28479	28541	28712
SAMPLE DATE	6/25/2002	6/25/2002	6/25/2002	7/1/2002	7/7/2002	7/13/2002
ANALYSIS DATE	7/30/2002	7/30/2002	7/30/2002	8/1/2002	7/16/2002	8/1/2002
FILE NAME	V2G\$005	V2G\$006	V2G\$007	F2G\$055	V2GP007	F2G\$056
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	5.81	6.05	6.03	3.88	4.88	5.51
Acetaldehyde	1.82	1.87	1.88	1.25	1.39	1.48
Acetone	0.84	0.89	0.89	0.23	0.38	0.67
Propionaldehyde	0.13	0.14	0.15	0.08	0.14	0.12
Crotonaldehyde	0.01	0.03	0.03	0.01	0.02	0.01
Butyr/Isobutyraldehyde	0.22	0.28	0.29	0.05	0.09	0.12
Benzaldehyde	0.13	0.14	ND	0.03	0.07	0.09
Isovaleraldehyde	ND	ND	0.27	ND	ND	ND
Valeraldehyde	0.25	0.28	0.27	0.05	0.17	0.14
Tolualdehydes	0.10	0.08	0.09	0.03	0.06	0.05
Hexaldehyde	0.38	0.47	0.47	0.15	0.49	0.40
2,5-Dimethylbenzaldehyde	ND	ND	ND	0.01	ND	ND

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SAMPLE #	28811	28960	29045	29184	29223	29301
SAMPLE DATE	7/19/2002	7/25/2002	7/31/2002	8/6/2002	8/12/2002	8/18/2002
ANALYSIS DATE	8/6/2002	9/4/2002	9/6/2002	9/11/2002	9/12/2002	9/6/2002
FILE NAME	F2HE027	V2ID016	F2IE028	F2II053	F2IK027	V2ID060
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	6.30	5.32	3.23	5.26	2.61	1.56
Acetaldehyde	2.11	1.61	0.95	1.32	1.27	0.47
Acetone	0.60	0.61	0.58	0.67	2.77	0.30
Propionaldehyde	0.22	0.08	0.05	0.04	0.07	0.04
Crotonaldehyde	0.01 u	0.014	0.01 u	0.01 u	0.005 u	0.01 u
Butyr/Isobutyraldehyde	0.12	0.19	0.10	0.11	0.15	0.12
Benzaldehyde	0.05	0.06	0.05	0.10	0.02	0.02
Isovaleraldehyde	ND	ND	ND	ND	0.01	ND
Valeraldehyde	0.10	0.12	0.21	0.17	0.02	0.05
Tolualdehydes	0.04	0.05	0.05	0.07	0.03	0.02
Hexaldehyde	0.19	0.27	0.08	0.11	0.01	0.08
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	29483 D1	29483 R1	29485 D2	29485 R2	29588	29673
SAMPLE DATE	8/24/2002	8/24/2002	8/24/2002	8/24/2002	8/30/2002	9/5/2002
ANALYSIS DATE	9/18/2002	9/18/2002	9/18/2002	9/18/2002	9/20/2002	9/19/2002
FILE NAME	F2IP052	F2IP053	F2IP054	F2IP055	V2IR052	F2IR027
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.86	2.87	2.74	2.74	5.01	4.97
Acetaldehyde	1.07	1.07	1.02	1.01	1.55	1.82
Acetone	0.47	0.48	0.49	0.49	0.62	0.50
Propionaldehyde	0.12	0.12	0.11	0.12	0.08	0.18
Crotonaldehyde	0.01 u	0.01	0.02	0.02	0.005 u	0.01
Butyr/Isobutyraldehyde	0.28	0.28	0.28	0.29	0.14	0.24
Benzaldehyde	0.07	0.06	0.05	0.06	0.04	0.05
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.17	0.16	0.16	0.14	0.11	0.07
Tolualdehydes	0.02	0.04	0.04	0.02	0.12	0.07
Hexaldehyde	0.42	0.43	0.35	0.32	0.26	0.16
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	29800 D1	29800 R1	29802 D2	29802 R2	29902	29961
SAMPLE DATE	9/11/2002	9/11/2002	9/11/2002	9/11/2002	9/17/2002	9/23/2002
ANALYSIS DATE	10/4/2002	10/4/2002	10/4/2002	10/4/2002	10/3/2002	10/4/2002
FILE NAME	F2JB066	F2JB067	F2JB068	F2JB069	F2JB049	F2JB070
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.87	1.88	2.54	2.53	2.64	1.76
Acetaldehyde	0.88	0.88	1.23	1.23	0.93	0.74
Acetone	0.75	0.74	0.83	0.84	0.64	1.28
Propionaldehyde	0.09	0.09	0.12	0.12	0.04	0.07
Crotonaldehyde	0.01 u	0.03	0.01 u	0.01 u	0.01 u	0.009 u
Butyr/Isobutyraldehyde	0.23	0.25	0.24	0.24	0.16	0.19
Benzaldehyde	0.04	0.04	0.05	0.06	0.04	0.02
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.10	0.08	0.10	0.08	0.07	0.03
Tolualdehydes	0.03	0.04	0.07	0.06	0.04	0.04
Hexaldehyde	0.16	0.16	0.13	0.13	0.04	0.05
2,5-Dimethylbenzaldehyde	0.00	ND	ND	ND	0.01	ND

Lincoln, Nebraska (Site 1 - LINE) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30038
SAMPLE DATE	9/29/2002
ANALYSIS DATE	VOID
FILE NAME	VOID
UNITS	ppbv
Formaldehyde	
Acetaldehyde	
Acetone	
Propionaldehyde	
Crotonaldehyde	
Butyr/Isobutyraldehyde	
Benzaldehyde	
Isovaleraldehyde	
Valeraldehyde	
Tolualdehydes	
Hexaldehyde	
2,5-Dimethylbenzaldehyde	

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SAMPLE #	26507	26584	26684	26802	26981	27106
SAMPLE DATE	4/2/2002	4/2/2002	4/8/2002	4/14/2002	4/20/2002	4/26/2002
ANALYSIS DATE	VOID	5/13/2002	5/14/2002	5/15/2002	5/20/2002	5/22/2002
FILE NAME	VOID	F2EM010	F2EM024	F2EO007	F2ES029	F2EU028
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde		3.00	3.11	4.95	2.68	3.43
Acetaldehyde		2.18	2.51	3.38	1.79	2.04
Acetone		2.65	2.99	3.89	2.37	3.36
Propionaldehyde		0.10	0.21	0.56	0.13	0.17
Crotonaldehyde		ND	0.01	0.05	0.01	0.01
Butyr/Isobutyraldehyde		0.31	0.54	1.02	0.47	0.53
Benzaldehyde		0.13	0.16	0.37	0.11	0.16
Isovaleraldehyde		ND	0.02	ND	ND	ND
Valeraldehyde		0.27	0.34	1.51	0.27	0.30
Tolualdehydes		0.14	0.11	0.39	0.43	0.48
Hexaldehyde		1.33	1.31	7.02	0.99	1.21
2,5-Dimethylbenzaldehyde		ND	ND	ND	ND	ND

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SAMPLE #	27331	27510 D1	27510 R1	27512 D2	27512 R2	27641
SAMPLE DATE	5/2/2002	5/14/2002	5/14/2002	5/14/2002	5/14/2002	5/20/2002
ANALYSIS DATE	5/29/2002	6/6/2002	6/6/2002	6/6/2002	6/6/2002	6/7/2002
FILE NAME	F2E#008	F2FF008	F2FF009	F2FF010	F2FF011	F2FG010
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	2.05	4.01	3.98	3.79	3.74	3.72
Acetaldehyde	1.34	2.23	2.22	2.15	2.11	2.17
Acetone	3.30	2.90	2.89	2.10	2.08	9.33
Propionaldehyde	0.21	0.27	0.28	0.25	0.24	0.17
Crotonaldehyde	0.05	0.03	0.06	0.06	0.05	0.01
Butyr/Isobutyraldehyde	0.46	0.79	0.81	0.67	0.66	0.47
Benzaldehyde	0.16	0.29	0.32	0.23	0.24	0.44
Isovaleraldehyde	0.02	ND	ND	ND	ND	ND
Valeraldehyde	0.37	0.57	0.52	0.36	0.37	0.38
Tolualdehydes	0.18	0.28	0.36	0.42	0.34	0.19
Hexaldehyde	1.39	2.49	2.48	1.70	1.66	1.67
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	27734	27846	27924	28129	28229	28329 D1
SAMPLE DATE	5/26/2002	6/1/2002	6/7/2002	6/13/2002	6/19/2002	6/25/2002
ANALYSIS DATE	6/11/2002	6/20/2002	6/26/2002	7/12/2002	7/12/2002	7/30/2002
FILE NAME	F2FJ028	F2FT013	F2FZ010	F2GK021	F2GK030	V2G\$004
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	4.37	7.30	7.04	4.57	7.37	7.23
Acetaldehyde	2.39	3.94	2.84	2.02	3.43	3.31
Acetone	1.26	1.72	1.41	1.83	1.42	2.03
Propionaldehyde	0.13	0.52	0.21	0.13	0.29	0.34
Crotonaldehyde	0.01 u	0.02	ND	ND	0.08	0.04
Butyr/Isobutyraldehyde	0.54	0.72	0.58	0.27	0.16 u	0.63
Benzaldehyde	0.12	0.42	0.12	0.19	0.16	0.57
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.50	1.13	0.31	0.79	0.39	0.89
Tolualdehydes	0.13	0.25	0.07	0.18	0.25	0.49
Hexaldehyde	2.26	3.91	1.29	2.64	1.66	1.61
2,5-Dimethylbenzaldehyde	ND	0.11	ND	ND	ND	ND

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SAMPLE #	28329 R1	28330 D2	28330 R2	28479	28541	28712
SAMPLE DATE	6/25/2002	6/25/2002	6/25/2002	7/1/2002	7/7/2002	7/13/2002
ANALYSIS DATE	7/30/2002	7/30/2002	7/30/2002	8/1/2002	7/16/2002	8/1/2002
FILE NAME	V2G\$005	V2G\$006	V2G\$007	F2G\$055	V2GP007	F2G\$056
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	7.17	7.46	7.44	4.79	6.02	6.79
Acetaldehyde	3.28	3.38	3.40	2.25	2.51	2.66
Acetone	1.99	2.13	2.13	0.54	0.90	1.60
Propionaldehyde	0.30	0.34	0.35	0.18	0.32	0.29
Crotonaldehyde	0.04	0.08	0.08	0.02	0.05	0.01
Butyr/Isobutyraldehyde	0.66	0.83	0.85	0.14	0.27	0.35
Benzaldehyde	0.58	0.60	ND	0.14	0.28	0.40
Isovaleraldehyde	ND	ND	0.94	ND	ND	ND
Valeraldehyde	0.88	0.99	0.94	0.18	0.60	0.50
Tolualdehydes	0.50	0.41	0.47	0.13	0.27	0.23
Hexaldehyde	1.56	1.92	1.93	0.61	2.01	1.63
2,5-Dimethylbenzaldehyde	ND	ND	ND	0.05	ND	ND

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SAMPLE #	28811	28960	29045	29184	29223	29301
SAMPLE DATE	7/19/2002	7/25/2002	7/31/2002	8/6/2002	8/12/2002	8/18/2002
ANALYSIS DATE	8/6/2002	9/4/2002	9/6/2002	9/11/2002	9/12/2002	9/6/2002
FILE NAME	F2HE027	V2ID016	F2IE028	F2II053	F2IK027	V2ID060
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	7.77	6.56	3.99	6.48	3.22	1.93
Acetaldehyde	3.82	2.90	1.72	2.38	2.30	0.85
Acetone	1.44	1.46	1.37	1.60	6.60	0.72
Propionaldehyde	0.52	0.20	0.13	0.11	0.17	0.09
Crotonaldehyde	0.03 u	0.04	0.03 u	0.02 u	0.01 u	0.02 u
Butyr/Isobutyraldehyde	0.37	0.55	0.30	0.33	0.44	0.34
Benzaldehyde	0.22	0.24	0.20	0.46	0.07	0.08
Isovaleraldehyde	ND	ND	ND	ND	0.03	ND
Valeraldehyde	0.34	0.43	0.73	0.61	0.05	0.19
Tolualdehydes	0.20	0.26	0.27	0.36	0.14	0.11
Hexaldehyde	0.80	1.10	0.35	0.46	0.04	0.33
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	29483 D1	29483 R1	29485 D2	29485 R2	29588	29673
SAMPLE DATE	8/24/2002	8/24/2002	8/24/2002	8/24/2002	8/30/2002	9/5/2002
ANALYSIS DATE	9/18/2002	9/18/2002	9/18/2002	9/18/2002	9/20/2002	9/19/2002
FILE NAME	F2IP052	F2IP053	F2IP054	F2IP055	V2IR052	F2IR027
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	3.53	3.54	3.38	3.38	6.18	6.12
Acetaldehyde	1.93	1.94	1.84	1.83	2.80	3.29
Acetone	1.12	1.14	1.17	1.16	1.47	1.20
Propionaldehyde	0.28	0.28	0.26	0.29	0.19	0.43
Crotonaldehyde	0.03 u	0.04	0.05	0.06	0.01 u	0.04
Butyr/Isobutyraldehyde	0.84	0.82	0.83	0.86	0.40	0.70
Benzaldehyde	0.30	0.28	0.24	0.25	0.19	0.22
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.61	0.58	0.55	0.50	0.40	0.24
Tolualdehydes	0.12	0.22	0.19	0.11	0.61	0.33
Hexaldehyde	1.72	1.77	1.45	1.33	1.07	0.65
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	29800 D1	29800 R1	29802 D2	29802 R2	29902	29961
SAMPLE DATE	9/11/2002	9/11/2002	9/11/2002	9/11/2002	9/17/2002	9/23/2002
ANALYSIS DATE	10/4/2002	10/4/2002	10/4/2002	10/4/2002	10/3/2002	10/4/2002
FILE NAME	F2JB066	F2JB067	F2JB068	F2JB069	F2JB049	F2JB070
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	2.31	2.32	3.13	3.12	3.26	2.17
Acetaldehyde	1.59	1.58	2.22	2.22	1.68	1.34
Acetone	1.78	1.76	1.99	2.01	1.51	3.05
Propionaldehyde	0.22	0.21	0.28	0.29	0.09	0.18
Crotonaldehyde	0.03 u	0.10	0.03 u	0.03 u	0.03 u	0.03 u
Butyr/Isobutyraldehyde	0.69	0.74	0.70	0.71	0.47	0.56
Benzaldehyde	0.17	0.16	0.23	0.24	0.16	0.09
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.35	0.30	0.35	0.30	0.24	0.12
Tolualdehydes	0.15	0.17	0.33	0.28	0.20	0.20
Hexaldehyde	0.67	0.65	0.53	0.53	0.17	0.19
2,5-Dimethylbenzaldehyde	0.01	ND	ND	ND	0.03	ND

Lincoln, Nebraska (Site 1 - LINE) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30038
SAMPLE DATE	9/29/2002
ANALYSIS DATE	VOID
FILE NAME	VOID
UNITS	ug/m3
Formaldehyde	
Acetaldehyde	
Acetone	
Propionaldehyde	
Crotonaldehyde	
Butyr/Isobutyraldehyde	
Benzaldehyde	
Isovaleraldehyde	
Valeraldehyde	
Tolualdehydes	
Hexaldehyde	
2,5-Dimethylbenzaldehyde	

Lincoln, Nebraska (LINE) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2EO006	Meets	F2ES028	Meets	F2E#007	Meets
FB ID	Criteria	26801 FB	Criteria	26980 FB	Criteria	27330 FB	Criteria
Sample date	per	4/14/2002		4/20/2002		5/2/2002	
Date Analyzed	QAPP	5/15/2002	(Y/N)	5/20/2002	(Y/N)	5/29/2002	(Y/N)
Formaldehyde	<0.3	0.03	Y	0.07	Y	0.05	Y
Acetaldehyde	<0.4	0.06	Y	0.10	Y	0.10	Y
Acetone	<0.75	0.23	Y	0.24	Y	0.17	Y
Propionaldehyde		0.01		0.01		0.01	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.16		0.26		0.19	
Benzaldehyde		0.02		0.01		0.02	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.00		0.01		0.01	
Tolualdehydes		0.06		0.05		0.04	
Hexaldehyde		0.02		0.05		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.272	Y	0.399	Y	0.302	Y

Lincoln, Nebraska (LINE) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2FJ029	Meets	F2GK020	Meets	F2GK029	Meets
FB ID	Criteria	27733 FB	Criteria	28128 FB	Criteria	28228 FB	Criteria
Sample date	per	5/26/2002		6/13/2002		6/19/2002	
Date Analyzed	QAPP	6/11/2002	(Y/N)	7/12/2002	(Y/N)	7/12/2002	(Y/N)
Formaldehyde	<0.3	0.02	Y	0.04	Y	0.08	Y
Acetaldehyde	<0.4	0.06	Y	0.07	Y	0.16	Y
Acetone	<0.75	0.18	Y	0.18	Y	0.21	Y
Propionaldehyde		0.01		0.01		0.02	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.28		0.01		0.03	
Benzaldehyde		ND		0.03		0.07	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.02	
Tolualdehydes		0.08		0.04		0.04	
Hexaldehyde		0.02		0.02		0.05	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.401	Y	0.123	Y	0.216	Y

Lincoln, Nebraska (LINE) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V2GP006	Meets	V2ID015	Meets	F2II052	Meets
FB ID	Criteria	28540 FB	Criteria	28959 FB	Criteria	29183 FB	Criteria
Sample date	per	7/7/2002		7/25/2002		8/8/2002	
Date Analyzed	QAPP	7/16/2002	(Y/N)	9/4/2002	(Y/N)	9/10/2002	(Y/N)
Formaldehyde	<0.3	0.05	Y	0.08	Y	0.10	Y
Acetaldehyde	<0.4	0.09	Y	0.13	Y	0.10	Y
Acetone	<0.75	0.17	Y	0.21	Y	0.18	Y
Propionaldehyde		0.01		0.01		0.01	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.01		0.15		0.10	
Benzaldehyde		0.02		0.01		0.01	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.01	
Tolualdehydes		0.05		0.05		0.04	
Hexaldehyde		0.03		0.02		0.03	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.135	Y	0.253	Y	0.194	Y

Lincoln, Nebraska (LINE) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V2IR051	Meets	F2IR028	Meets	F2JB071	Meets
FB ID	Criteria	29587 FB	Criteria	29672 FB	Criteria	29960 FB	Criteria
Sample date	per	8/30/2002		9/5/2002		9/23/2002	
Date Analyzed	QAPP	9/20/2002	(Y/N)	9/19/2002	(Y/N)	10/4/2002	(Y/N)
Formaldehyde	<0.3	0.04	Y	0.06	Y	0.04	Y
Acetaldehyde	<0.4	0.06	Y	0.07	Y	0.11	Y
Acetone	<0.75	0.23	Y	0.22	Y	0.15	Y
Propionaldehyde		0.01		0.01		0.01	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.17		0.36		0.32	
Benzaldehyde		0.01		0.02		0.01	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.01	
Tolualdehydes		0.04		0.16		0.04	
Hexaldehyde		0.02		0.03		0.03	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.258	Y	0.590	Y	0.418	Y

Detroit, Michigan (Lodge/696 - LOMI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	24953	25184	25415	25658	25837	26111
SAMPLE DATE	1/2/2002	1/14/2002	1/26/2002	2/7/2002	2/19/2002	3/3/2002
ANALYSIS DATE	1/22/2002	1/24/2002	3/13/2002	3/15/2002	4/1/2002	4/9/2002
FILE NAME	F2AU042	F2AW035	F2CL020	F2CO018	F2DA013	F2DI009
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.34	2.40	0.23	0.01 u	1.55	0.80
Acetaldehyde	0.18	1.38	0.14	0.02	0.96	0.48
Acetone	0.25	1.87	0.30	0.06	2.42	1.08
Propionaldehyde	0.02	0.14	0.02	0.00 u	0.09	0.05
Crotonaldehyde	0.004 u	0.02	0.005 u	0.003 u	0.01	0.007 u
Butyr/Isobutyraldehyde	0.03	0.20	0.04	0.02	0.16	0.06
Benzaldehyde	0.01	0.06	0.01	0.00	0.05	0.02
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.004	0.05	0.005	0.001 u	0.02	0.01
Tolualdehydes	0.01	0.06	0.01	0.004 u	0.03	0.04
Hexaldehyde	0.01	0.04	0.01	0.003 u	0.02	0.01
2,5-Dimethylbenzaldehyde	ND	0.006	ND	ND	0.006	ND

Detroit, Michigan (Lodge/696 - LOMI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	26375	26468	26701	27001
SAMPLE DATE	3/15/2002	3/27/2002	4/8/2002	4/20/2002
ANALYSIS DATE	4/23/2002	4/30/2002	5/14/2002	5/22/2002
FILE NAME	F2DV017	F2D#038	F2EM036	F2EU051
UNITS	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.33	1.68	1.83	0.92
Acetaldehyde	0.75	0.65	1.12	0.60
Acetone	1.63	2.34	1.25	1.36
Propionaldehyde	0.08	0.05	0.12	0.07
Crotonaldehyde	0.008 u	0.007 u	0.004 u	0.004 u
Butyr/Isobutyraldehyde	0.19	0.16	0.16	0.14
Benzaldehyde	0.04	0.03	0.05	0.02
Isovaleraldehyde	ND	ND	0.004	0.002 u
Valeraldehyde	0.02	0.02	0.03	0.02
Tolualdehydes	0.03	0.03	0.05	0.02
Hexaldehyde	0.02	0.02	0.05	0.02
2,5-Dimethylbenzaldehyde	0.005	ND	ND	ND

Detroit (696/Lodge), Michigan (LOMI) 2002 UATMP Carbonyl Annual Field Blank

Data Report

(µg/cartridge)

Data File ID	Acceptance	F2CO017	Meets
FB ID	Criteria	25657 FB	Criteria
Sample date	per	2/7/2002	
Date Analyzed	QAPP	3/15/2002	(Y/N)
Formaldehyde	<0.3	0.121	Y
Acetaldehyde	<0.4	0.047	Y
Acetone	<0.75	0.192	Y
Propionaldehyde		ND	
Crotonaldehyde		ND	
Butyraldehyde		0.111	
Benzaldehyde		0.013	
Isovaleraldehyde		ND	
Valeraldehyde		ND	
Tolualdehydes		0.026	
Hexaldehyde		0.016	
2,5-Dimethylbenzaldehyde		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.165	Y

Lincoln, Nebraska (Site 2 - LONE) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30101	30216	30255	30326 D1	30326 R1	30328 D2
SAMPLE DATE	10/5/2002	10/11/2002	10/17/2002	10/23/2002	10/23/2002	10/23/2002
ANALYSIS DATE	VOID	11/5/2002	11/14/2002	11/26/2002	11/26/2002	11/26/2002
FILE NAME	VOID	V2KE007	V2KM031	V2KY042	V2KY043	V2KY040
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde		2.99	0.10	1.10	1.11	1.15
Acetaldehyde		1.31	0.06	1.01	1.01	1.05
Acetone		1.19	0.09	0.90	0.90	0.93
Propionaldehyde		0.07	0.005 u	0.05	0.05	0.05
Crotonaldehyde		0.007 u	ND	0.004 u	0.005 u	0.004 u
Butyr/Isobutyraldehyde		0.13	0.01 u	0.07	0.07	0.07
Benzaldehyde		0.04	0.003	0.02	0.02	0.02
Isovaleraldehyde		ND	ND	ND	ND	ND
Valeraldehyde		0.08	0.004	0.01	0.01	0.01
Tolualdehydes		ND	0.01	0.03	0.02	0.02
Hexaldehyde		0.08	0.01	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde		ND	ND	ND	ND	ND

u - Concentration below detection limit

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

Lincoln, Nebraska (Site 2 - LONE) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30328 R2	30425	30489	30592 D1	30592 R1	30594 D2
SAMPLE DATE	10/23/2002	10/29/2002	11/4/2002	11/10/2002	11/10/2002	11/10/2002
ANALYSIS DATE	11/26/2002	11/26/2002	12/18/2002	12/21/2002	12/21/2002	12/21/2002
FILE NAME	V2KY041	V2KY018	#V2LQ028	#V2LT044	#V2LT045	#V2LT046
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.15	1.04	1.95	1.31	1.31	1.36
Acetaldehyde	1.05	0.79	1.41	1.04	1.04	1.06
Acetone	0.94	1.22	1.42	1.07	1.07	1.10
Propionaldehyde	0.06	0.05	0.07	0.06	0.05	0.06
Crotonaldehyde	0.004 u	0.01 u	0.01 u	0.01 u	0.005 u	0.005 u
Butyr/Isobutyraldehyde	0.07	0.09	0.11	0.10	0.10	0.12
Benzaldehyde	0.02	0.02	0.03	0.02	0.03	0.04
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.02	0.02	0.02	0.02	0.03
Tolualdehydes	0.02	0.02	0.03	0.02	0.02	0.02
Hexaldehyde	0.02	0.03	0.03	0.04	0.04	0.06
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

Lincoln, Nebraska (Site 2 - LONE) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30594 R2	30683	30809	30880	30931	31025
SAMPLE DATE	11/10/2002	11/16/2002	11/22/2002	11/28/2002	12/4/2002	12/10/2020
ANALYSIS DATE	12/21/2002	12/23/2002	12/31/2002	1/3/2003	1/9/2003	1/4/2003
FILE NAME	#V2LT047	#V2LW018	#V2LS017	?V3AB029	V3AH044	V3AB058
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.37	1.58	1.36	1.87	1.74	1.44
Acetaldehyde	1.07	1.02	1.30	1.41	1.18	1.25
Acetone	1.10	1.18	0.87	0.88	1.14	1.87
Propionaldehyde	0.06	0.08	0.05	0.05	0.08	0.11
Crotonaldehyde	0.01 u	0.01 u	0.007 u	0.004 u	0.009 u	0.009 u
Butyr/Isobutyraldehyde	0.12	0.12	0.10	0.09	0.09	0.16
Benzaldehyde	0.04	0.03	0.02	0.032	0.04	0.02
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.04	0.02	0.01	0.02	0.02
Tolualdehydes	0.02	0.03	0.02	0.02	0.03	0.03
Hexaldehyde	0.06	0.05	0.03	0.02	0.02	0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

Lincoln, Nebraska (Site 2 - LONE) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	31124	31294	31366
SAMPLE DATE	12/16/2002	12/22/2002	12/28/2002
ANALYSIS DATE	1/3/2003	1/21/2003	1/31/2003
FILE NAME	V3AB045	V3AU017	V3A\$024
UNITS	ppbv	ppbv	ppbv
Formaldehyde	2.44	1.80	2.18
Acetaldehyde	1.80	0.95	1.53
Acetone	1.60	0.94	1.33
Propionaldehyde	0.12	0.06	0.10
Crotonaldehyde	0.01	0.009 u	0.01 u
Butyr/Isobutyraldehyde	0.15	0.10	0.11
Benzaldehyde	0.16	0.03	0.03
Isovaleraldehyde	ND	ND	ND
Valeraldehyde	0.03	0.02	0.02
Tolualdehydes	0.04	0.04	0.04
Hexaldehyde	0.05	0.03	0.04
2,5-Dimethylbenzaldehyde	ND	ND	ND

u - Concentration below detection limit

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

Lincoln, Nebraska (LONE) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30101	30216	30255	30326 D1	30326 R1	30328 D2
SAMPLE DATE	10/5/2002	10/11/2002	10/17/2002	10/23/2002	10/23/2002	10/23/2002
ANALYSIS DATE	VOID	11/5/2002	11/14/2002	11/26/2002	11/26/2002	11/26/2002
FILE NAME	VOID	V2KE007	V2KM031	V2KY042	V2KY043	V2KY040
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde		3.69	0.12	1.35	1.36	1.41
Acetaldehyde		2.37	0.11	1.82	1.83	1.89
Acetone		2.84	0.22	2.14	2.15	2.22
Propionaldehyde		0.17	0.01 u	0.12	0.12	0.12
Crotonaldehyde		0.02 u	ND	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde		0.39	0.04 u	0.19	0.19	0.21
Benzaldehyde		0.18	0.01	0.10	0.09	0.08
Isovaleraldehyde		ND	ND	ND	ND	ND
Valeraldehyde		0.29	0.02	0.04	0.04	0.05
Tolualdehydes		ND	0.03	0.13	0.10	0.09
Hexaldehyde		0.32	0.04	0.10	0.06	0.10
2,5-Dimethylbenzaldehyde		ND	ND	ND	ND	ND

u - Concentration below detection limit

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

Lincoln, Nebraska (LONE) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30328 R2	30425	30489	30592 D1	30592 R1	30594 D2
SAMPLE DATE	10/23/2002	10/29/2002	11/4/2002	11/10/2002	11/10/2002	11/10/2002
ANALYSIS DATE	11/26/2002	11/26/2002	12/18/2002	12/21/2002	12/21/2002	12/21/2002
FILE NAME	V2KY041	V2KY018	#V2LQ028	#V2LT044	#V2LT045	#V2LT046
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	1.42	1.28	2.40	1.61	1.61	1.67
Acetaldehyde	1.89	1.42	2.55	1.88	1.88	1.91
Acetone	2.23	2.90	3.37	2.55	2.55	2.61
Propionaldehyde	0.13	0.13	0.15	0.13	0.13	0.14
Crotonaldehyde	0.01 u	0.03 u	0.02 u	0.02 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.19	0.27	0.31	0.30	0.29	0.34
Benzaldehyde	0.08	0.10	0.11	0.09	0.11	0.16
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.04	0.08	0.07	0.07	0.07	0.09
Tolualdehydes	0.10	0.11	0.14	0.09	0.11	0.10
Hexaldehyde	0.09	0.11	0.11	0.15	0.18	0.23
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

Lincoln, Nebraska (LONE) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30594 R2	30683	30809	30880	30931	31025
SAMPLE DATE	11/10/2002	11/16/2002	11/22/2002	11/28/2002	12/4/2002	12/10/2020
ANALYSIS DATE	12/21/2002	12/23/2002	12/31/2002	1/3/2003	1/9/2003	1/4/2003
FILE NAME	#V2LT047	#V2LW018	#V2LS017	?V3AB029	V3AH044	V3AB058
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	1.69	1.95	1.67	2.31	2.14	1.77
Acetaldehyde	1.92	1.84	2.35	2.54	2.13	2.26
Acetone	2.62	2.80	2.08	2.10	2.72	4.45
Propionaldehyde	0.14	0.18	0.12	0.13	0.18	0.26
Crotonaldehyde	0.01 u	0.03 u	0.02 u	0.01 u	0.03 u	0.03 u
Butyr/Isobutyraldehyde	0.35	0.35	0.28	0.26	0.27	0.48
Benzaldehyde	0.17	0.15	0.08	0.14	0.15	0.10
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.09	0.13	0.07	0.04	0.06	0.08
Tolualdehydes	0.11	0.16	0.09	0.10	0.13	0.13
Hexaldehyde	0.24	0.20	0.12	0.09	0.07	0.13
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

Lincoln, Nebraska (LONE) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	31124	31294	31366
SAMPLE DATE	12/16/2002	12/22/2002	12/28/2002
ANALYSIS DATE	1/3/2003	1/21/2003	1/31/2003
FILE NAME	V3AB045	V3AU017	V3A\$024
UNITS	ug/m3	ug/m3	ug/m3
Formaldehyde	3.01	2.22	2.69
Acetaldehyde	3.25	1.72	2.76
Acetone	3.82	2.23	3.17
Propionaldehyde	0.29	0.15	0.24
Crotonaldehyde	0.04	0.03 u	0.03 u
Butyr/Isobutyraldehyde	0.45	0.29	0.32
Benzaldehyde	0.69	0.11	0.12
Isovaleraldehyde	ND	ND	ND
Valeraldehyde	0.10	0.05	0.06
Tolualdehydes	0.17	0.21	0.18
Hexaldehyde	0.22	0.13	0.18
2,5-Dimethylbenzaldehyde	ND	ND	ND

u - Concentration below detection limit

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

Lincoln, Nebraska (LONE) 2002 UATMP Carbonyl Annual Data Report

(µg/cartridge)

Data File ID	Acceptance	V2KE006	Meets	V2KY019	Meets	#V2LQ029	Meets
FB ID	Criteria	30215 FB	Criteria	30424 FB	Criteria	30488 FB	Criteria
Sample date	per	10/11/2002		10/29/2002		11/4/2002	
Date Analyzed	QAPP	11/5/2002	(Y/N)	11/26/2002	(Y/N)	12/18/2002	(Y/N)
Formaldehyde	<0.3	0.07	Y	0.03	Y	0.04	Y
Acetaldehyde	<0.4	0.11	Y	0.07	Y	0.10	Y
Acetone	<0.75	0.21	Y	0.25	Y	0.25	Y
Propionaldehyde		0.01		ND		0.01	
Crotonaldehyde		0.01		ND		ND	
Butyraldehyde		0.11		0.02		0.06	
Benzaldehyde		0.01		0.02		0.03	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.01		0.00		0.00	
Tolualdehydes		0.03		0.03		0.04	
Hexaldehyde		0.02		0.02		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.199	Y	0.096	Y	0.159	Y

- See last page for explanation.
 ? - See last page for explanation.
 % - See last page for explanation.

Lincoln, Nebraska (LONE) 2002 UATMP Carbonyl Annual Data Report

(µg/cartridge)

Data File ID	Acceptance	#V2L\$018	Meets	V3AB059	Meets	V3A\$023	Meets
FB ID	Criteria	30808 FB	Criteria	31024 FB	Criteria	31365 FB	Criteria
Sample date	per	11/22/2002		12/10/2002		12/28/2002	
Date Analyzed	QAPP	12/31/2002	(Y/N)	1/4/2003	(Y/N)	1/31/2003	(Y/N)
Formaldehyde	<0.3	0.05	Y	0.08	Y	0.03	Y
Acetaldehyde	<0.4	0.06	Y	0.07	Y	0.07	Y
Acetone	<0.75	0.23	Y	0.22	Y	0.25	Y
Propionaldehyde		0.01		0.01		0.01	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.17		0.17		0.17	
Benzaldehyde		0.03		0.05		0.02	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.00		0.01		0.01	
Tolualdehydes		0.03		0.03		0.01	
Hexaldehyde		0.02		0.02		0.03	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.253	Y	0.274	Y	0.245	Y

- See last page for explanation.
 ? - See last page for explanation.
 % - See last page for explanation.

Lincoln, Nebraska (LONE) 2002 UATMP Carbonyl Annual Data Report

u - Concentration below detection limit

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

% - Sample extracted out of hold time due to power outage.

Nashville, Tennessee (Site 2 - LOTN) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	27026	27384	27504	27751	27930	28256 D1
SAMPLE DATE	4/20/02	5/2/02	5/14/02	5/26/02	6/7/02	6/19/02
ANALYSIS DATE	VOID	5/29/02	VOID	6/11/02	6/26/02	7/17/02
FILE NAME	VOID	F2E#018	VOID	F2FJ019	F2FZ014	F2GP034
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde		2.52		2.72	2.76	5.57
Acetaldehyde		0.80		0.99	0.96	1.55
Acetone		0.57		0.51	0.48	1.20
Propionaldehyde		0.17		0.17	0.13	0.26
Crotonaldehyde		0.006 u		0.008 u	0.006 u	0.01
Butyr/Isobutyraldehyde		0.20		0.19	0.21	0.14
Benzaldehyde		0.09		0.05	0.06	0.08
Isovaleraldehyde		ND		ND	ND	ND
Valeraldehyde		0.06		0.05	0.04	0.06
Tolualdehydes		0.02		0.03	0.04	0.05
Hexaldehyde		0.07		0.05	0.03	0.07
2,5-Dimethylbenzaldehyde		ND		ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

Nashville, Tennessee (Site 2 - LOTN) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	28256 R1	28258 D2	28258 R2	28623	28718	28933
SAMPLE DATE	6/19/02	6/19/02	6/19/02	7/7/02	7/13/02	7/25/02
ANALYSIS DATE	7/17/02	7/17/02	7/17/02	7/18/02	7/31/02	VOID
FILE NAME	F2GP035	F2GP036	F2GP037	V2GQ019	F2G\$025	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	5.55	5.42	5.43	6.39	2.50	
Acetaldehyde	1.54	1.52	1.52	1.44	0.70	
Acetone	1.15	1.10	1.11	0.60	0.43	
Propionaldehyde	0.24	0.33	0.33	0.23	0.12	
Crotonaldehyde	0.006 u	0.01	0.01	0.008 u	ND	
Butyr/Isobutyraldehyde	0.12	0.14	0.14	0.10	0.10	
Benzaldehyde	0.06	0.06	0.07	0.09	0.04	
Isovaleraldehyde	ND	ND	ND	ND	ND	
Valeraldehyde	0.06	0.06	0.06	0.05	0.02	
Tolualdehydes	0.05	0.05	0.05	0.06	0.02	
Hexaldehyde	0.06	0.06	0.06	0.05	0.03	
2,5-Dimethylbenzaldehyde	ND	ND	ND	0.04	ND	

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

Nashville, Tennessee (Site 2 - LOTN) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	29099	29293	29670	29790	29963	30107
SAMPLE DATE	8/6/02	8/18/02	8/30/02	9/11/02	9/23/02	10/5/02
ANALYSIS DATE	VOID	9/5/02	9/19/02	10/2/02	10/3/02	10/25/02
FILE NAME	VOID	V2ID056	V2IR040	F2JB007	F2JB046	V2JX019
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde		3.90	3.68	5.47	2.95	2.57
Acetaldehyde		0.73	1.15	1.75	0.75	0.91
Acetone		0.29	0.42	0.58	1.04	0.70
Propionaldehyde		0.13	0.24	0.36	0.08	0.10
Crotonaldehyde		0.006 u	0.005 u	0.020	0.007 u	0.006 u
Butyr/Isobutyraldehyde		0.12	0.15	0.21	0.17	0.12
Benzaldehyde		0.05	0.04	0.10	0.03	0.04
Isovaleraldehyde		ND	0.02	ND	0.00	0.01
Valeraldehyde		0.03	0.04	0.06	0.02	0.03
Tolualdehydes		0.07	0.04	0.08	0.02	0.03
Hexaldehyde		0.03	0.04	0.06	0.02	0.03
2,5-Dimethylbenzaldehyde		0.009	0.007	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

Nashville, Tennessee (Site 2 - LOTN) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30286 D1	30286 R1	30288 D2	30433	#30582	#30829
SAMPLE DATE	10/17/02	10/17/02	10/17/02	10/29/02	11/10/02	11/22/02
ANALYSIS DATE	11/6/02	11/6/02	VOID	11/26/02	12/21/02	12/24/02
FILE NAME	V2KE028	V2KE029	VOID	V2KY016	V2LT026	V2LW049
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.37	2.34		1.61	1.92	1.64
Acetaldehyde	0.89	0.89		0.71	0.76	0.51
Acetone	1.31	1.31		0.65	0.42	0.83
Propionaldehyde	0.09	0.08		0.07	0.14	0.04
Crotonaldehyde	0.004 u	0.004 u		0.004 u	0.003 u	0.003 u
Butyr/Isobutyraldehyde	0.14	0.15		0.10	0.11	0.07
Benzaldehyde	0.04	0.04		0.03	0.03	0.02
Isovaleraldehyde	0.01	0.01		0.01	0.01	ND
Valeraldehyde	0.03	0.03		0.02	0.04	0.02
Tolualdehydes	0.06	0.06		0.02	0.01	0.02
Hexaldehyde	0.04	0.04		0.03	0.07	0.03
2,5-Dimethylbenzaldehyde	ND	ND		ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

Nashville, Tennessee (Site 2 - LOTN) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30926	31256
SAMPLE DATE	12/4/02	12/16/02
ANALYSIS DATE	1/9/03	1/22/03
FILE NAME	V3AH042	V3AU025
UNITS	ppbv	ppbv
Formaldehyde	0.95	4.28
Acetaldehyde	0.61	1.44
Acetone	1.00	1.46
Propionaldehyde	0.06	0.15
Crotonaldehyde	0.004 u	0.009
Butyr/Isobutyraldehyde	0.10	0.20
Benzaldehyde	0.01	0.05
Isovaleraldehyde	ND	ND
Valeraldehyde	0.02	0.04
Tolualdehydes	0.01	0.04
Hexaldehyde	0.02	0.06
2,5-Dimethylbenzaldehyde	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

Nashville, Tennessee (LOTN) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	VOID 27025 FB 4/20/2002 VOID	Meets Criteria (Y/N)	F2FZ013 27929 FB 6/7/2002 6/26/2002	Meets Criteria (Y/N)	VOID 28622 FB 7/7/2002 VOID	Meets Criteria (Y/N)
Formaldehyde	<0.3		Y	0.081	Y		Y
Acetaldehyde	<0.4		Y	0.163	Y		Y
Acetone	<0.75		Y	0.236	Y		Y
Propionaldehyde				0.011			
Crotonaldehyde				ND			
Butyraldehyde				0.258			
Benzaldehyde				0.016			
Isovaleraldehyde				ND			
Valeraldehyde				0.016			
Tolualdehydes				0.046			
Hexaldehyde				0.020			
2,5-Dimethylbenzaldehyde				ND			
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.000	Y	0.365	Y	0.000	Y

Nashville, Tennessee (LOTN) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	VOID 29098 FB 8/6/2002 VOID	Meets Criteria (Y/N)	V2IR041 29669 FB 8/30/2002 9/19/2002	Meets Criteria (Y/N)	V2KY017 30432 FB 10/29/2002 11/26/2002	Meets Criteria (Y/N)
Formaldehyde	<0.3		Y	0.040	Y	0.052	Y
Acetaldehyde	<0.4		Y	0.103	Y	0.063	Y
Acetone	<0.75		Y	0.255	Y	0.243	Y
Propionaldehyde				0.007		ND	
Crotonaldehyde				ND		ND	
Butyraldehyde				0.202		0.027	
Benzaldehyde				0.007		0.017	
Isovaleraldehyde				ND		ND	
Valeraldehyde				0.001		0.004	
Tolualdehydes				0.039		0.020	
Hexaldehyde				0.021		0.014	
2,5-Dimethylbenzaldehyde				ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.000	Y	0.276	Y	0.081	Y

Miami, Florida (MDFL) 2002 UATMP Carbonyl Annual Data Report

SAMPLE NUMBER	30705	#30706	?30904	31048	31303
SAMPLE DATE	11/4/02	11/16/02	11/28/02	12/10/02	12/22/02
ANALYSIS DATE	VOID	12/21/02	1/9/03	1/14/03	2/2/03
FILE NAME	VOID	V2LT030	V3AH035	V3AM022	V3BB021
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde		0.36	0.46	0.50	0.37
Acetaldehyde		0.38	0.51	0.87	0.48
Acetone		0.09	0.17	0.11	0.14
Propionaldehyde		0.01 u	0.01 u	0.01 u	0.01 u
Crotonaldehyde		0.003 u	0.004 u	0.003 u	0.003 u
Butyr/Isobutyraldehyde		0.08	0.07	0.06	0.06
Benzaldehyde		0.02	0.02	0.02	0.02
Isovaleraldehyde		ND	ND	ND	ND
Valeraldehyde		0.005	0.004	0.01	0.003
Tolualdehydes		0.01	0.02	0.02	0.02
Hexaldehyde		0.01	0.02	0.01	0.01
2,5-Dimethylbenzaldehyde		ND	ND	ND	ND

u - Concentration is below detection limit.

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

Miami, Florida (MDFL) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance Criteria per QAPP	#V2LT029 30704 FB 11/4/2002 37611	Meets Criteria (Y/N)	V3AM021 31047 FB 12/10/2002 1/14/2003	Meets Criteria (Y/N)
FB ID					
Sample date					
Date Analyzed					
Formaldehyde	<0.3	0.04	Y	0.06	Y
Acetaldehyde	<0.4	0.07	Y	0.09	Y
Acetone	<0.75	0.24	Y	0.24	Y
Propionaldehyde		ND		0.005	
Crotonaldehyde		0.11		ND	
Butyraldehyde		0.02		0.08	
Benzaldehyde		ND		0.02	
Isovaleraldehyde		0.01		ND	
Valeraldehyde		0.02		0.01	
Tolualdehydes		0.02		0.01	
Hexaldehyde		ND		0.06	
2,5-Dimethylbenzaldehyde		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.17	Y	0.17	Y

Miami, Florida (MDFL) 2002 UATMP Carbonyl Fourth Quarter Data Report

u - Concentration below detection limit

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

% - Sample extracted out of hold time due to power outage.

New Brunswick, New Jersey (NBNJ) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	24908	25076	25195	25247	25405 D1	25405 R1
SAMPLE DATE	1/2/2002	1/8/2002	1/14/2002	1/20/2002	1/26/2002	1/26/2002
ANALYSIS DATE	1/22/2002	1/25/2002	1/29/2002	3/5/2002	3/14/2002	3/14/2002
FILE NAME	F2AU048	F2AY015	F2A#010	F2CE028	F2CL057	F2CL058
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.29	1.77	1.64	1.39	3.56	3.56
Acetaldehyde	0.69	0.79	0.90	0.87	1.27	1.26
Acetone	1.18	1.81	2.02	1.18	2.65	2.64
Propionaldehyde	0.08	0.09	0.11	0.10	0.13	0.13
Crotonaldehyde	0.02	0.01	0.01	0.01	0.01	0.01
Butyr/Isobutyraldehyde	0.15	0.16	0.18	0.17	0.20	0.20
Benzaldehyde	0.02	0.02	0.03	0.02	0.03	0.04
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.04	0.05	0.03	0.07	0.07
Tolualdehydes	0.01	0.02	0.02	0.02	0.03	0.03
Hexaldehyde	0.02	0.04	0.05	0.03	0.06	0.05
2,5-Dimethylbenzaldehyde	0.005	ND	ND	0.009	ND	ND

New Brunswick, New Jersey (NBNJ) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	25407 D2	25407 R2	25527	25668	25732	25898
SAMPLE DATE	1/26/2002	1/26/2002	2/1/2002	2/7/2002	2/13/2002	2/19/2002
ANALYSIS DATE	3/14/2002	3/14/2002	3/13/2002	3/20/2002	3/21/2002	4/2/2002
FILE NAME	F2CL059	F2CL060	F2CL029	F2CR031	F2CT015	F2DA025
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.62	3.64	1.42	1.16	0.87	2.20
Acetaldehyde	1.28	1.28	0.76	1.01	0.48	1.30
Acetone	2.66	2.66	1.49	1.77	0.96	2.00
Propionaldehyde	0.13	0.13	0.07	0.09	0.05	0.14
Crotonaldehyde	0.01 u	0.01	0.01 u	0.01 u	0.01 u	0.02
Butyr/Isobutyraldehyde	0.20	0.18	0.13	0.13	0.09	0.16
Benzaldehyde	0.04	0.03	0.02	0.02	0.01	0.04
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.07	0.06	0.03	0.04	0.02	0.05
Tolualdehydes	0.03	0.03	0.02	0.02	0.01	0.04
Hexaldehyde	0.05	0.05	0.03	0.02	0.03	0.05
2,5-Dimethylbenzaldehyde	ND	ND	0.008	0.013	ND	ND

New Brunswick, New Jersey (NBNJ) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	26018 D1	26018 R1	26020 D2	26020 R2	26094	26223
SAMPLE DATE	2/25/2002	2/25/2002	2/25/2002	2/25/2002	3/3/2002	3/9/2002
ANALYSIS DATE	4/10/2002	4/10/2002	4/10/2002	4/10/2002	4/9/2002	4/12/2002
FILE NAME	F2DI024	F2DI025	F2DI026	F2DI027	F2DI008	F2DL016
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.57	3.53	3.60	3.57	10.92	7.59
Acetaldehyde	1.18	1.17	1.18	1.17	1.82	1.32
Acetone	2.69	2.69	2.69	2.67	2.28	1.61
Propionaldehyde	0.10	0.11	0.11	0.11	0.15	0.11
Crotonaldehyde	0.01	0.01	0.02	0.01	0.02	0.01
Butyr/Isobutyraldehyde	0.16	0.15	0.16	0.15	0.21	0.14
Benzaldehyde	0.04	0.03	0.03	0.03	0.06	0.04
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.06	0.06	0.06	0.06	0.12	0.08
Tolualdehydes	0.03	0.03	0.04	0.03	0.11	0.03
Hexaldehyde	0.07	0.04	0.04	0.07	0.14	0.08
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

New Brunswick, New Jersey (NBNJ) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	26327	26406	26552	26596	26730	26813
SAMPLE DATE	3/15/2002	3/21/2002	3/27/2002	4/2/2002	4/8/2002	4/14/2002
ANALYSIS DATE	4/23/2002	4/26/2002	5/11/2002	5/11/2002	5/14/2002	5/15/2002
FILE NAME	F2DV037	F2DZ006	F2EJ018	F2EJ025	F2EM031	F2EO012
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	*0.40	3.99	1.04	5.50	3.93	2.18
Acetaldehyde	1.44	1.00	0.70	1.29	1.25	1.03
Acetone	2.04	2.54	1.48	3.43	2.58	0.69
Propionaldehyde	0.09	0.08	0.06	0.09	0.09	0.06
Crotonaldehyde	0.01 u	0.02	0.01 u	0.03	0.01	0.01 u
Butyr/Isobutyraldehyde	0.24	0.23	0.10	0.21	0.22	0.22
Benzaldehyde	0.05	0.03	0.02	0.04	0.04	0.02
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.10	0.04	0.02	0.07	0.07	0.04
Tolualdehydes	0.03	0.02	0.01	0.04	0.05	0.01
Hexaldehyde	0.06	0.06	0.02	0.09	0.15	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	0.011

New Brunswick, New Jersey (NBNJ) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	26978	27093	27344	27423	27530 D1	27530 R1
SAMPLE DATE	4/20/2002	4/26/2002	5/2/2002	5/8/2002	5/14/2002	5/14/2002
ANALYSIS DATE	5/20/2002	5/21/2002	5/24/2002	5/28/2002	6/7/2002	6/7/2002
FILE NAME	F2ES027	F2EU021	F2EW025	F2E!005	F2FF022	F2FF023
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.26	0.87	1.62	1.57	1.49	1.50
Acetaldehyde	1.05	0.60	1.13	1.00	0.60	0.61
Acetone	0.96	2.04	1.34	1.27	1.50	1.51
Propionaldehyde	0.04	0.06	0.12	0.05	0.03	0.03
Crotonaldehyde	0.01 u	0.01 u	0.01	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.13	0.17	0.16	0.09	0.16	0.16
Benzaldehyde	0.03	0.02	0.03	0.03	0.03	0.02
Isovaleraldehyde	0.01	ND	ND	0.03	ND	ND
Valeraldehyde	0.02	0.02	0.04	ND	0.02	0.02
Tolualdehydes	0.03	0.02	0.04	0.04	0.01	0.02
Hexaldehyde	0.03	0.04	0.04	0.03	0.02	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

New Brunswick, New Jersey (NBNJ) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	27532 D2	27532 R2	27675	27739	27817	27939
SAMPLE DATE	5/14/2002	5/14/2002	5/20/2002	5/26/2002	6/1/2002	6/7/2002
ANALYSIS DATE	6/7/2002	6/7/2002	6/8/2002	6/11/2002	6/27/2002	7/9/2002
FILE NAME	F2FF024	F2FF025	F2FG020	F2FJ025	F2FZ017	V2GI017
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.50	1.51	0.87	1.65	9.92	1.29
Acetaldehyde	0.62	0.61	0.55	0.95	2.20	0.67
Acetone	1.45	1.45	1.36	0.53	1.05	0.89
Propionaldehyde	0.03	0.04	0.05	0.05	0.13	0.03
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u	0.20
Butyr/Isobutyraldehyde	0.16	0.16	0.18	0.18	0.27	0.04
Benzaldehyde	0.02	0.02	0.02	0.03	0.09	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.02	0.02	0.04	0.11	0.02
Tolualdehydes	0.01	0.01	0.03	0.03	0.06	0.03
Hexaldehyde	0.01	0.02	0.03	0.02	0.09	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	28133	28226	28353 D1	28355 D2	28490	28749
SAMPLE DATE	6/13/2002	6/19/2002	6/25/2002	6/25/2002	7/1/2002	7/7/2002
ANALYSIS DATE	7/12/2002	7/11/2002	VOID	VOID	7/30/2002	7/31/2002
FILE NAME	F2GK023	V2GJ022	VOID	VOID	F2G\$014	F2G\$033
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.52	4.46			6.80	6.39
Acetaldehyde	0.80	1.26			2.13	2.29
Acetone	0.86	0.80			1.32	1.75
Propionaldehyde	0.02	0.08			0.06	0.11
Crotonaldehyde	0.03	0.01			ND	0.02
Butyr/Isobutyraldehyde	0.04	0.10			0.13	0.10
Benzaldehyde	0.03	0.04			0.08	0.07
Isovaleraldehyde	ND	ND			ND	ND
Valeraldehyde	0.02	0.06			0.06	0.04
Tolualdehydes	0.03	0.05			0.10	0.10
Hexaldehyde	ND	0.06			0.09	0.02
2,5-Dimethylbenzaldehyde	ND	ND			ND	ND

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SAMPLE #	28776	28801	28951	29035	29156	29247
SAMPLE DATE	7/13/2002	7/19/2002	7/25/2002	7/31/2002	8/6/2002	8/12/2002
ANALYSIS DATE	VOID	VOID	VOID	9/5/2002	9/9/2002	VOID
FILE NAME	VOID	VOID	VOID	F2IE009	F2II017	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde				5.32	2.96	
Acetaldehyde				1.86	0.68	
Acetone				1.41	0.47	
Propionaldehyde				0.14	0.11	
Crotonaldehyde				0.01 u	0.01 u	
Butyr/Isobutyraldehyde				0.15	0.15	
Benzaldehyde				0.37	0.04	
Isovaleraldehyde				ND	ND	
Valeraldehyde				0.28	0.04	
Tolualdehydes				0.12	0.04	
Hexaldehyde				0.05	0.03	
2,5-Dimethylbenzaldehyde				ND	0.003	

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SAMPLE #	29297	29478	** 29481	29647	29692	29812 D1
SAMPLE DATE	8/18/2002	8/24/2002	8/24/2002	8/30/2002	9/5/2002	9/11/2002
ANALYSIS DATE	VOID	VOID	9/17/2002	9/19/2002	9/24/2002	10/3/2002
FILE NAME	VOID	VOID	F2IP029	V2IR031	F2IX013	F2JB026
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde			3.42	1.04	2.02	2.17
Acetaldehyde			0.99	0.56	0.80	0.74
Acetone			0.50	0.56	0.88	0.51
Propionaldehyde			0.07	0.03	0.02	0.12
Crotonaldehyde			0.06	ND	0.01	ND
Butyr/Isobutyraldehyde			0.07	0.12	0.25	0.23
Benzaldehyde			0.08	0.02	0.02	0.03
Isovaleraldehyde			ND	ND	ND	ND
Valeraldehyde			0.05	0.02	0.02	0.04
Tolualdehydes			0.12	0.02	0.04	0.07
Hexaldehyde			0.03	0.02	ND	0.04
2,5-Dimethylbenzaldehyde			ND	ND	ND	ND

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SAMPLE #	29812 R1	29814 D2	29814 R2	29915	29958	30032
SAMPLE DATE	9/11/2002	9/11/2002	9/11/2002	9/17/2002	9/23/2002	9/29/2002
ANALYSIS DATE	10/3/2002	10/3/2002	10/3/2002	10/4/2002	10/15/2002	10/23/2002
FILE NAME	F2JB027	F2JB028	F2JB029	F2JB054	V2JN025	V2JW005
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.11	2.18	2.27	1.97	1.35	1.57
Acetaldehyde	0.73	0.82	0.82	0.92	0.66	1.18
Acetone	0.51	1.13	1.14	1.07	0.92	0.90
Propionaldehyde	0.12	0.06	0.04	0.08	0.11	0.10
Crotonaldehyde	ND	0.01 u	0.004 u	0.01 u	ND	0.01 u
Butyr/Isobutyraldehyde	0.27	0.36	0.34	0.26	0.22	0.13
Benzaldehyde	0.03	0.04	0.04	0.03	0.03	0.02
Isovaleraldehyde	ND	ND	ND	ND	ND	0.01
Valeraldehyde	0.03	0.03	0.03	0.04	0.03	0.03
Tolualdehydes	0.07	0.04	0.06	0.03	ND	0.02
Hexaldehyde	0.03	0.02	0.02	0.02	0.03	0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	30089	30223	30275	30330 D1	30330 R1	30332 D2
SAMPLE DATE	10/5/2002	10/11/2002	10/17/2002	10/23/2002	10/23/2002	10/23/2002
ANALYSIS DATE	VOID	11/5/2002	11/6/2002	11/26/2002	11/26/2002	11/26/2002
FILE NAME	VOID	V2KE011	V2KE020	V2KY036	V2KY037	V2KY034
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde		0.86	0.64	0.77	0.77	0.77
Acetaldehyde		0.71	0.48	0.63	0.63	0.61
Acetone		0.37	0.84	1.36	1.37	1.36
Propionaldehyde		0.03	0.03	0.05	0.06	0.05
Crotonaldehyde		0.004 u	0.01 u	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde		0.04 u	0.07	0.08	0.08	0.08
Benzaldehyde		0.01	0.02	0.02	0.02	0.02
Isovaleraldehyde		ND	ND	ND	ND	ND
Valeraldehyde		0.02	0.01	0.02	0.02	0.02
Tolualdehydes		0.03	0.01	0.01	0.01	0.02
Hexaldehyde		0.01	0.00 u	0.01	0.02	0.03
2,5-Dimethylbenzaldehyde		ND	ND	ND	ND	ND

New Brunswick, New Jersey (NBNJ) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30332 R2	30422	#30525	#30606 D1	#30606 R1	#30608 D2
SAMPLE DATE	10/23/2002	10/29/2002	11/4/2002	11/10/2002	11/10/2002	11/10/2002
ANALYSIS DATE	11/26/2002	11/26/2002	12/14/2002	12/21/2002	12/21/2002	12/21/2002
FILE NAME	V2KY035	V2KY013	V2LN012	V2LT050	V2LT051	V2LT052
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.76	0.76	0.88	3.54	3.55	3.62
Acetaldehyde	0.62	0.61	0.91	1.10	1.12	1.09
Acetone	1.36	1.51	2.00	0.67	0.67	0.66
Propionaldehyde	0.05	0.08	0.05	0.04	0.04	0.04
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.08	0.14	0.09	0.11	0.12	0.12
Benzaldehyde	0.02	0.02	0.02	0.03	0.03	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.02	0.02	0.05	0.03	0.03
Tolualdehydes	0.01	0.03	0.02	0.02	0.02	0.02
Hexaldehyde	0.01	0.02	0.01	0.02	0.06	0.06
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	#30608 R2	#30686	?%30838	30876	30986	31074
SAMPLE DATE	11/10/2002	11/16/2002	11/22/2002	11/28/2002	12/4/2002	12/10/2002
ANALYSIS DATE	12/22/2002	12/23/2002	1/3/2003	1/3/2003	1/13/2003	VOID
FILE NAME	V2LT053	V2LW020	V3AB019	V3AB033	V3AM011	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.62	0.71	0.81	0.59	0.70	
Acetaldehyde	1.09	0.69	0.75	0.49	0.64	
Acetone	0.66	1.16	1.21	0.88	1.10	
Propionaldehyde	0.06	0.04	0.06	0.04	0.06	
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u	
Butyr/Isobutyraldehyde	0.13	0.09	0.10	0.10	0.10	
Benzaldehyde	0.04	0.02	0.02	0.01	0.02	
Isovaleraldehyde	ND	ND	ND	ND	ND	
Valeraldehyde	0.03	0.02	0.02	0.01	0.02	
Tolualdehydes	0.02	0.02	0.01	0.02	0.02	
Hexaldehyde	0.06	0.02	0.02	0.01	0.09	
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	

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SAMPLE #	31243	31307	31339
SAMPLE DATE	12/16/2002	12/22/2002	12/28/2002
ANALYSIS DATE	1/22/2003	2/2/2003	1/30/2003
FILE NAME	V3AU021	V3BB010	V3A\$008
UNITS	ppbv	ppbv	ppbv
Formaldehyde	1.55	1.11	0.65
Acetaldehyde	1.06	0.80	0.69
Acetone	2.09	1.28	1.08
Propionaldehyde	0.08	0.05	0.05
Crotonaldehyde	0.02	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.19	0.09	0.09
Benzaldehyde	0.38	0.03	0.02
Isovaleraldehyde	ND	ND	ND
Valeraldehyde	0.03	0.02	0.02
Tolualdehydes	0.02	0.02	0.02
Hexaldehyde	0.02	0.03	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND

New Brunswick, New Jersey (NBNJ) 2002 UATMP Carbonyl Annual Data Report

u - Concentration below detection limit

* - Sample was blank subtracted due to high values in blank and sample.

** - Sample was diluted 10X due to high moisture content in cartridge.

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

% - Sample extracted out of hold time due to power outage.

New Brunswick, New Jersey (NBNJ) 2002 UATMP Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2A#009	Meets	F2CE027	Meets	F2DY012	Meets
FB ID	Criteria	25194 FB	Criteria	25246 FB	Criteria	25526 FB	Criteria
Sample date	per	1/14/2002		1/20/2002		2/1/2002	
Date Analyzed	QAPP	1/29/2002	(Y/N)	3/5/2002	(Y/N)	4/25/2002	(Y/N)
Formaldehyde	<0.3	0.065	Y	0.025	Y	0.075	Y
Acetaldehyde	<0.4	0.065	Y	0.037	Y	0.065	Y
Acetone	<0.75	0.248	Y	0.189	Y	0.180	Y
Propionaldehyde		ND		ND		ND	
Crotonaldehyde		0.005		0.013		ND	
Butyraldehyde		0.077		0.162		0.269	
Benzaldehyde		0.014		0.016		0.015	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		ND		ND		0.007	
Tolualdehydes		0.010		0.057		0.053	
Hexaldehyde		0.026		0.036		0.018	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.131	Y	0.284	Y	0.360	Y

New Brunswick, New Jersey (NBNJ) 2002 UATMP Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2DA024	Meets	F2DL015	Meets	*F2DV036	Meets
FB ID	Criteria	25897 FB	Criteria	26222 FB	Criteria	26326 FB	Criteria
Sample date	per	2/19/2002		3/9/2002		3/15/2002	
Date Analyzed	QAPP	4/2/2002	(Y/N)	4/12/2002	(Y/N)	4/23/2002	(Y/N)
Formaldehyde	<0.3	0.074	Y	0.035	Y	3.022	N
Acetaldehyde	<0.4	0.082	Y	0.046	Y	1.787	N
Acetone	<0.75	0.235	Y	0.236	Y	0.740	Y
Propionaldehyde		0.006		ND		0.209	
Crotonaldehyde		ND		ND		0.012	
Butyraldehyde		0.100		0.035		0.635	
Benzaldehyde		0.017		0.018		0.674	
Isovaleraldehyde		ND		ND		0.056	
Valeraldehyde		0.010		ND		0.088	
Tolualdehydes		0.031		0.023		0.159	
Hexaldehyde		0.023		0.031		0.076	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.185	Y	0.106	Y	1.907	Y

New Brunswick, New Jersey (NBNJ) 2002 UATMP Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2EO011	Meets	F2ES026	Meets	F2E!004	Meets
FB ID	Criteria	26812 FB	Criteria	26977 FB	Criteria	27422 FB	Criteria
Sample date	per	4/14/2002		4/20/2002		5/8/2002	
Date Analyzed	QAPP	5/15/2002	(Y/N)	5/20/2002	(Y/N)	5/28/2002	(Y/N)
Formaldehyde	<0.3	0.039	Y	0.049	Y	0.041	Y
Acetaldehyde	<0.4	0.086	Y	0.156	Y	0.094	Y
Acetone	<0.75	0.206	Y	0.223	Y	0.170	Y
Propionaldehyde		0.011		0.012		0.013	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.229		0.186		0.090	
Benzaldehyde		0.017		0.017		0.016	
Isovaleraldehyde		ND		ND		0.011	
Valeraldehyde		0.011		0.013		ND	
Tolualdehydes		0.040		0.065		0.060	
Hexaldehyde		0.034		0.029		0.028	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.340	Y	0.321	Y	0.216	Y

New Brunswick, New Jersey (NBNJ) 2002 UATMP Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2FJ026	Meets	F2GK022	Meets	V2GJ021	Meets
FB ID	Criteria	27738 FB	Criteria	28132 FB	Criteria	28225 FB	Criteria
Sample date	per	5/26/2002		6/13/2002		6/19/2002	
Date Analyzed	QAPP	6/11/2002	(Y/N)	7/12/2002	(Y/N)	7/11/2002	(Y/N)
Formaldehyde	<0.3	0.030	Y	0.055	Y	0.076	Y
Acetaldehyde	<0.4	0.121	Y	0.106	Y	0.116	Y
Acetone	<0.75	0.205	Y	0.179	Y	0.162	Y
Propionaldehyde		0.015		0.017		0.010	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.270		0.017		0.019	
Benzaldehyde		0.019		ND		0.024	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.015		0.011		0.012	
Tolualdehydes		0.049		0.017		0.036	
Hexaldehyde		0.027		0.039		0.020	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.394	Y	0.100	Y	0.120	Y

New Brunswick, New Jersey (NBNJ) 2002 UATMP Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2G\$032	Meets	VOID	Meets	VOID	Meets
FB ID	Criteria	28748 FB	Criteria	28950 FB	Criteria	29246 FB	Criteria
Sample date	per	7/7/2002		7/25/2002		8/12/2002	
Date Analyzed	QAPP	7/31/2002	(Y/N)	VOID	(Y/N)	VOID	(Y/N)
Formaldehyde	<0.3	0.058	Y		Y		Y
Acetaldehyde	<0.4	0.080	Y		Y		Y
Acetone	<0.75	0.245	Y		Y		Y
Propionaldehyde		0.017					
Crotonaldehyde		ND					
Butyraldehyde		0.149					
Benzaldehyde		0.023					
Isovaleraldehyde		ND					
Valeraldehyde		0.006					
Tolualdehydes		0.049					
Hexaldehyde		0.019					
2,5-Dimethylbenzaldehyde		ND					
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.262	Y	0.000	Y	0.000	Y

New Brunswick, New Jersey (NBNJ) 2002 UATMP Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	VOID	Meets	V2IR032	Meets	F2IX012	Meets
FB ID	Criteria	29479 FB	Criteria	29646 FB	Criteria	29691 FB	Criteria
Sample date	per	8/24/2002		8/30/2002		9/5/2002	
Date Analyzed	QAPP	VOID	(Y/N)	9/19/2002	(Y/N)	9/24/2002	(Y/N)
Formaldehyde	<0.3		Y	0.033	Y	0.090	Y
Acetaldehyde	<0.4		Y	0.055	Y	0.052	Y
Acetone	<0.75		Y	0.215	Y	0.227	Y
Propionaldehyde				0.004		0.006	
Crotonaldehyde				ND		ND	
Butyraldehyde				0.192		0.384	
Benzaldehyde				0.008		0.013	
Isovaleraldehyde				ND		ND	
Valeraldehyde				0.007		0.009	
Tolualdehydes				0.040		ND	
Hexaldehyde				0.022		0.045	
2,5-Dimethylbenzaldehyde				ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.000	Y	0.272	Y	0.455	Y

New Brunswick, New Jersey (NBNJ) 2002 UATMP Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V2JN024	Meets	V2KE010	Meets	V2KY012	Meets
FB ID	Criteria	29957 FB	Criteria	30222 FB	Criteria	30421 FB	Criteria
Sample date	per	9/23/2002		10/11/2002		10/29/2002	
Date Analyzed	QAPP	10/15/2002	(Y/N)	11/5/2002	(Y/N)	11/26/2002	(Y/N)
Formaldehyde	<0.3	0.065	Y	0.079	Y	0.062	Y
Acetaldehyde	<0.4	0.122	Y	0.060	Y	0.113	Y
Acetone	<0.75	0.156	Y	0.158	Y	0.242	Y
Propionaldehyde		ND		ND		0.011	
Crotonaldehyde		ND		0.010		ND	
Butyraldehyde		0.313		0.101		0.063	
Benzaldehyde		0.011		0.015		0.012	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.007		0.003		0.008	
Tolualdehydes		0.031		0.018		ND	
Hexaldehyde		0.026		0.020		0.024	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.387	Y	0.166	Y	0.118	Y

New Brunswick, New Jersey (NBNJ) 2002 UATMP Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V2LN011	Meets	V2LW019	Meets	V3AB018	Meets
FB ID	Criteria	#30524 FB	Criteria	#30685 FB	Criteria	?%30837 FB	Criteria
Sample date	per	11/4/2002		11/16/2002		11/22/2002	
Date Analyzed	QAPP	12/14/2002	(Y/N)	12/23/2002	(Y/N)	1/3/2003	(Y/N)
Formaldehyde	<0.3	0.045	Y	0.187	Y	0.057	Y
Acetaldehyde	<0.4	0.077	Y	0.075	Y	0.058	Y
Acetone	<0.75	0.242	Y	0.198	Y	0.199	Y
Propionaldehyde		ND		ND		0.006	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.063		0.108		0.138	
Benzaldehyde		0.018		0.078		0.021	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.007		0.007		ND	
Tolualdehydes		0.027		0.041		0.033	
Hexaldehyde		0.018		0.021		0.021	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.132	Y	0.255	Y	0.218	Y

New Brunswick, New Jersey (NBNJ) 2002 UATMP Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	VOID	Meets	V3A\$007	Meets
FB ID	Criteria	31073 FB	Criteria	31338 FB	Criteria
Sample date	per	12/10/2002		12/28/2002	
Date Analyzed	QAPP	VOID	(Y/N)	1/30/2003	(Y/N)
Formaldehyde	<0.3		Y	0.098	Y
Acetaldehyde	<0.4		Y	0.106	Y
Acetone	<0.75		Y	0.255	Y
Propionaldehyde				0.011	
Crotonaldehyde				ND	
Butyraldehyde				0.121	
Benzaldehyde				0.015	
Isovaleraldehyde				ND	
Valeraldehyde				0.010	
Tolualdehydes				0.032	
Hexaldehyde				0.035	
2,5-Dimethylbenzaldehyde				ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.000	Y	0.222	Y

* - Field Blank failed acceptance criteria.

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

% - Sample extracted out of hold time due to power outage.

Pascagoula, Mississippi (PGMS) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	25064	25263	25591	25810	26038 D1	26038 R1
SAMPLE DATE	1/8/2002	1/20/2002	2/1/2002	2/13/2002	2/25/2002	2/25/2002
ANALYSIS DATE	1/25/2002	3/5/2002	3/19/2002	3/22/2002	4/13/2002	4/13/2002
FILE NAME	F2AY011	F2CE017	F2CR017	F2CT024	F2DL038	F2DL039
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.88	1.79	1.86	3.18	2.62	2.61
Acetaldehyde	0.95	0.85	0.60	1.26	0.88	0.88
Acetone	1.40	0.54	0.84	1.90	0.41	0.41
Propionaldehyde	0.10	0.05	0.08	0.12	0.07	0.07
Crotonaldehyde	0.01	0.01 u	0.01 u	0.01	0.01 u	0.01
Butyr/Isobutyraldehyde	0.15	0.13	0.09	0.16	0.07	0.08
Benzaldehyde	0.04	0.02	0.02	0.05	0.04	0.04
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.01	0.01	0.03	0.01	0.02
Tolualdehydes	0.03	0.01	0.01	0.04	0.03	0.02
Hexaldehyde	0.02	0.01	0.03	0.02	0.01	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? -Prior to extraction, sample cartridge came to room temperature due to power outage.

Pascagoula, Mississippi (PGMS) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	26040 D2	26040 R2	26287	26415	26643	26941
SAMPLE DATE	2/25/2002	2/25/2002	3/9/2002	3/21/2002	4/12/2002	4/14/2002
ANALYSIS DATE	4/13/2002	4/13/2002	4/20/2002	4/26/2002	5/13/2002	5/16/2002
FILE NAME	F2DL040	F2DL041	F2DS023	F2DZ010	F2EM015	F2EO043
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.55	2.55	2.20	2.81	1.95	2.30
Acetaldehyde	0.86	0.87	0.66	0.76	0.97	0.72
Acetone	0.48	0.48	0.41	0.93	0.20	0.31
Propionaldehyde	0.06	0.06	0.04	0.04	0.14	0.04
Crotonaldehyde	0.01	0.01 u	0.01 u	ND	0.005 u	0.005 u
Butyr/Isobutyraldehyde	0.08	0.08	0.07	0.17	0.13	0.17
Benzaldehyde	0.04	0.04	0.03	0.02	0.03	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.02	0.02	0.01	0.02	0.01
Tolualdehydes	0.02	0.02	0.02	0.02	0.03	0.02
Hexaldehyde	0.02	0.01	0.01	0.01	0.03	0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? -Prior to extraction, sample cartridge came to room temperature due to power outage.

Pascagoula, Mississippi (PGMS) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	27280	27461	27683	27835	28193	28371 D1
SAMPLE DATE	4/26/2002	5/8/2002	5/20/2002	6/1/2002	6/13/2002	6/25/2002
ANALYSIS DATE	5/24/2002	6/4/2002	6/8/2002	6/20/2002	7/12/2002	7/29/2002
FILE NAME	F2EW018	F2FC024	F2FG024	F2FT007	F2GK044	F2G#004
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	4.70	2.55	4.22	4.72	4.08	2.63
Acetaldehyde	1.80	0.72	1.01	1.15	1.05	0.70
Acetone	0.64	0.21	1.25	0.45	0.33	0.19
Propionaldehyde	0.11	0.03	0.05	0.07	0.04	0.06
Crotonaldehyde	0.01 u	0.01	0.004 u	0.01 u	0.06	0.004 u
Butyr/Isobutyraldehyde	0.16	0.18	0.19	0.21	0.04	0.12
Benzaldehyde	0.06	0.03	0.03	0.09	0.06	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.01	0.01	0.03	0.01	0.01
Tolualdehydes	0.05	0.02	0.03	0.03	0.04	0.04
Hexaldehyde	0.02	0.02	0.02	0.06	0.01	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? -Prior to extraction, sample cartridge came to room temperature due to power outage.

Pascagoula, Mississippi (PGMS) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	28371 R1	28373 D2	28373 R2	28593	28860	29059
SAMPLE DATE	6/25/2002	6/25/2002	6/25/2002	7/7/2002	7/19/2002	7/31/2002
ANALYSIS DATE	7/29/2002	7/29/2002	7/29/2002	7/17/2002	8/6/2002	9/6/2002
FILE NAME	F2G#005	F2G#006	F2G#007	V2GQ007	F2HE018	F2IE021
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.62	2.54	2.53	3.25	7.37	4.49
Acetaldehyde	0.72	0.74	0.74	0.93	1.73	1.05
Acetone	0.19	0.24	0.24	0.36	0.49	0.40
Propionaldehyde	0.06	0.06	0.06	0.05	0.12	0.06
Crotonaldehyde	ND	ND	ND	ND	0.02	0.01
Butyr/Isobutyraldehyde	0.13	0.13	0.13	0.23	0.11	0.11
Benzaldehyde	0.04	0.04	0.04	0.06	0.05	0.12
Isovaleraldehyde	ND	ND	ND	ND	ND	0.01
Valeraldehyde	0.02	0.01	0.01	0.02	0.03	0.09
Tolualdehydes	0.03	0.04	0.04	0.04	0.06	0.05
Hexaldehyde	0.01	0.01	0.01	0.02	0.02	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? -Prior to extraction, sample cartridge came to room temperature due to power outage.

Pascagoula, Mississippi (PGMS) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	29241	29509	29731	29919	30053	30242
SAMPLE DATE	8/12/2002	8/24/2002	9/5/2002	9/17/2002	9/29/2002	10/11/2002
ANALYSIS DATE	9/5/2002	9/16/2002	9/18/2002	VOID	10/24/2002	11/13/2002
FILE NAME	V2ID039	F2IP012	F2IR006	VOID	V2JW014	V2KM017
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.39	3.89	6.79		4.13	7.73
Acetaldehyde	0.84	1.22	1.45		1.58	1.72
Acetone	0.34	0.37	0.46		0.62	0.75
Propionaldehyde	0.06	0.05	0.11		0.11	0.10
Crotonaldehyde	0.003 u	ND	0.01 u		0.01 u	0.004 u
Butyr/Isobutyraldehyde	0.16	0.16	0.31		0.16	0.11
Benzaldehyde	0.05	0.06	0.09		0.06	0.07
Isovaleraldehyde	ND	ND	ND		0.01	ND
Valeraldehyde	0.02	0.01	0.03		0.03	0.07
Tolualdehydes	0.04	0.02	0.06		0.04	0.04
Hexaldehyde	0.02	0.01	0.02		0.04	0.10
2,5-Dimethylbenzaldehyde	ND	ND	ND		ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? -Prior to extraction, sample cartridge came to room temperature due to power outage.

Pascagoula, Mississippi (PGMS) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30376 D1	30376 R1	30378 D2	30378 R2	#30547	#30699
SAMPLE DATE	10/23/2002	10/23/2002	10/23/2002	10/23/2002	11/4/2002	11/16/2002
ANALYSIS DATE	11/28/2002	11/28/2002	11/28/2002	11/28/2002	12/18/2002	12/24/2002
FILE NAME	V2KY086	V2KY087	V2KY088	V2KY089	V2LQ035	V2LW033
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	5.91	5.93	6.08	6.10	2.30	1.54
Acetaldehyde	1.21	1.20	1.22	1.23	0.99	0.74
Acetone	0.39	0.39	0.39	0.39	0.33	0.82
Propionaldehyde	0.10	0.10	0.11	0.11	0.09	0.06
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.01 u	0.004 u	0.004 u
Butyr/Isobutyraldehyde	0.13	0.14	0.14	0.14	0.10	0.11
Benzaldehyde	0.07	0.06	0.06	0.06	0.04	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.06	0.06	0.06	0.06	0.02	0.01
Tolualdehydes	0.03	0.03	0.04	0.03	0.03	0.03
Hexaldehyde	0.06	0.06	0.06	0.06	0.01	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? -Prior to extraction, sample cartridge came to room temperature due to power outage.

Pascagoula, Mississippi (PGMS) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	?30895	31061	31352
SAMPLE DATE	11/28/2002	12/10/2002	12/22/2002
ANALYSIS DATE	1/9/2003	1/17/2003	1/30/2003
FILE NAME	V3AH012	V3AP023	V3A\$013
UNITS	ppbv	ppbv	ppbv
Formaldehyde	1.95	1.13	2.43
Acetaldehyde	1.02	0.65	1.16
Acetone	1.26	0.83	0.54
Propionaldehyde	0.08	0.06	0.06
Crotonaldehyde	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.08	0.14	0.08
Benzaldehyde	0.04	0.18	0.04
Isovaleraldehyde	ND	ND	ND
Valeraldehyde	0.02	0.01	0.01
Tolualdehydes	0.04	0.01	0.03
Hexaldehyde	0.03	0.02	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? -Prior to extraction, sample cartridge came to room temperature due to power outage.

Pascagoula, Mississippi (PGMS) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2CE016	Meets	F2CR016	Meets	F2DS022	Meets
FB ID	Criteria	25262 FB	Criteria	25590 FB	Criteria	26286 FB	Criteria
Sample date	per	1/20/2002		2/1/2002		3/9/2002	
Date Analyzed	QAPP	3/5/2002	(Y/N)	3/19/2002	(Y/N)	4/20/2002	(Y/N)
Formaldehyde	<0.3	0.049	Y	0.017	Y	0.102	Y
Acetaldehyde	<0.4	0.078	Y	0.039	Y	0.040	Y
Acetone	<0.75	0.220	Y	0.163	Y	0.202	Y
Propionaldehyde		ND		ND		ND	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.217		0.082		0.054	
Benzaldehyde		0.016		0.015		0.016	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		ND		0.009		ND	
Tolualdehydes		0.037		0.045		0.032	
Hexaldehyde		0.030		0.018		0.016	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.299	Y	0.168	Y	0.117	Y

Pascagoula, Mississippi (PGMS) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2EO042	Meets	F2FC023	Meets	F2GK043	Meets
FB ID	Criteria	26940 FB	Criteria	27460 FB	Criteria	28192 FB	Criteria
Sample date	per	4/14/2002		5/8/2002		6/13/2002	
Date Analyzed	QAPP	5/16/2002	(Y/N)	6/4/2002	(Y/N)	7/12/2002	(Y/N)
Formaldehyde	<0.3	0.045	Y	0.051	Y	0.052	Y
Acetaldehyde	<0.4	0.085	Y	0.100	Y	0.125	Y
Acetone	<0.75	0.224	Y	0.148	Y	0.190	Y
Propionaldehyde		0.010		0.004		0.013	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.286		0.223		0.026	
Benzaldehyde		0.011		0.016		0.090	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.009		ND		0.016	
Tolualdehydes		0.052		0.047		0.064	
Hexaldehyde		0.029		0.025		0.026	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.396	Y	0.315	Y	0.234	Y

Pascagoula, Mississippi (PGMS) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V2GQ006	Meets	V2ID038	Meets	F2IR007	Meets
FB ID	Criteria	28592 FB	Criteria	29240 FB	Criteria	29730 FB	Criteria
Sample date	per	7/7/2002		8/12/2002		9/5/2002	
Date Analyzed	QAPP	7/17/2002	(Y/N)	9/5/2002	(Y/N)	9/18/2002	(Y/N)
Formaldehyde	<0.3	0.046	Y	0.067	Y	0.060	Y
Acetaldehyde	<0.4	0.096	Y	0.078	Y	0.120	Y
Acetone	<0.75	0.143	Y	0.148	Y	0.258	Y
Propionaldehyde		0.010		0.008		0.012	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.016		0.155		0.558	
Benzaldehyde		0.048		0.009		0.012	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.009		0.005		0.007	
Tolualdehydes		0.039		0.037		0.032	
Hexaldehyde		0.022		0.024		0.022	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.142	Y	0.237	Y	0.642	Y

Pascagoula, Mississippi (PGMS) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V2KM018	Meets	V2LQ034	Meets	V3AP022	Meets
FB ID	Criteria	30241 FB	Criteria	#30546 FB	Criteria	31060 FB	Criteria
Sample date	per	10/11/2002		11/4/2002		12/10/2002	
Date Analyzed	QAPP	11/13/2002	(Y/N)	12/18/2002	(Y/N)	1/16/2003	(Y/N)
Formaldehyde	<0.3	0.053	Y	0.073	Y	0.069	Y
Acetaldehyde	<0.4	0.082	Y	0.068	Y	0.103	Y
Acetone	<0.75	0.212	Y	0.230	Y	0.259	Y
Propionaldehyde		0.009		0.005		0.010	
Crotonaldehyde		ND		0.080		ND	
Butyraldehyde		0.084		ND		0.224	
Benzaldehyde		0.090		0.018		0.022	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.007		0.007		0.007	
Tolualdehydes		0.033		0.020		0.031	
Hexaldehyde		0.023		0.032		0.025	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.244	Y	0.160	Y	0.317	Y

Detroit, Michigan (River Rouge - RRMI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	27336	27496	27776	27935	28210	28522
SAMPLE DATE	5/2/2002	5/14/2002	5/26/2002	6/7/2002	6/19/2002	7/1/2002
ANALYSIS DATE	5/29/2002	5/30/2002	6/17/2002	7/9/2002	7/16/2002	7/11/2002
FILE NAME	F2E#010	F2E#038	F2FQ011	V2GI009	F2GP006	V2GK006
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.02	3.72	3.74	4.11	5.43	8.19
Acetaldehyde	0.90	0.98	1.16	1.27	1.35	2.16
Acetone	1.36	1.68	1.38	1.06	1.09	0.58
Propionaldehyde	0.22	0.24	0.33	0.24	0.31	0.48
Crotonaldehyde	0.01 u	0.01 u	0.01	0.16	0.05	0.01
Butyr/Isobutyraldehyde	0.32	0.38	0.42	0.23	0.26	0.27
Benzaldehyde	0.03	0.03	0.03	0.05	0.05	0.11
Isovaleraldehyde	ND	ND	ND	0.01	0.01	0.02
Valeraldehyde	0.24	0.24	0.29	0.22	0.35	0.28
Tolualdehydes	0.02	0.03	0.02	0.04	0.03	0.08
Hexaldehyde	0.07	0.07	0.08	0.09	0.09	0.15
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

* - Compound diluted 5X.

- After extraction, sample came to room temperature due to power outage.

Detroit, Michigan (River Rouge - RRMI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	28665	28939	29115	29279	29605	29778
SAMPLE DATE	7/13/2002	7/25/2002	8/6/2002	8/18/2002	8/30/2002	9/11/2002
ANALYSIS DATE	7/18/2002	8/7/2002	9/10/2002	9/5/2002	9/17/2002	9/25/2002
FILE NAME	V2GQ036	F2HF018	F2II033	V2ID050	F2IP039	F2IX036
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	*57.93	3.92	3.11	4.96	4.86	4.03
Acetaldehyde	4.17	1.34	0.56	1.08	1.62	0.92
Acetone	0.38	0.71	0.72	0.85	0.69	1.25
Propionaldehyde	0.44	0.19	0.09	0.23	0.28	0.13
Crotonaldehyde	0.03	0.005 u	0.01	0.02	0.01	0.01 u
Butyr/Isobutyraldehyde	0.63	0.20	0.24	0.31	0.38	0.47
Benzaldehyde	0.45	0.04	0.05	0.04	0.08	0.04
Isovaleraldehyde	ND	ND	ND	ND	0.02	ND
Valeraldehyde	0.25	0.15	0.09	0.19	0.11	0.07
Tolualdehydes	0.28	0.02	0.02	0.04	0.03	0.02
Hexaldehyde	0.30	0.07	0.04	0.10	0.08	0.04
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	0.01	ND

u - Concentration is below the detection limit.

* - Compound diluted 5X.

- After extraction, sample came to room temperature due to power outage.

Detroit, Michigan (River Rouge - RRMI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	29981	30118	30300	#30441	#30633	#30855
SAMPLE DATE	9/23/2002	10/5/2002	10/17/2002	10/29/2002	11/10/2002	11/22/2002
ANALYSIS DATE	10/16/2002	10/24/2002	11/23/2002	12/13/2002	12/21/2002	12/31/2002
FILE NAME	V2JP011	V2JX013	V2KV013	V2LL029	V2LT018	V2L\$026
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.87	3.41	3.01	2.28	2.09	1.91
Acetaldehyde	0.92	1.00	1.05	0.69	1.09	0.64
Acetone	1.35	1.28	1.53	1.22	0.78	0.75
Propionaldehyde	0.12	0.13	0.12	0.07	0.17	0.10
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.28	0.26	0.29	0.12	0.24	0.18
Benzaldehyde	0.05	0.07	0.05	0.03	0.03	0.02
Isovaleraldehyde	0.01	ND	0.01	ND	ND	ND
Valeraldehyde	0.07	0.15	0.13	0.03	0.09	0.10
Tolualdehydes	0.03	0.03	0.04	0.02	0.02	0.01
Hexaldehyde	0.04	0.06	0.06	0.04	0.05	0.04
2,5-Dimethylbenzaldehyde	ND	ND	0.002	ND	ND	ND

u - Concentration is below the detection limit.

* - Compound diluted 5X.

- After extraction, sample came to room temperature due to power outage.

Detroit, Michigan (River Rouge - RRMI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30947	31248	31415
SAMPLE DATE	12/4/2002	12/16/2002	12/28/2002
ANALYSIS DATE	1/9/2003	1/21/2003	2/6/2003
FILE NAME	V3AH034	V3AT024	V3BE014
UNITS	ppbv	ppbv	ppbv
Formaldehyde	2.68	0.99	0.97
Acetaldehyde	1.48	0.44	0.84
Acetone	2.85	0.79	1.30
Propionaldehyde	0.13	0.05	0.08
Crotonaldehyde	0.04	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.28	0.13	0.14
Benzaldehyde	0.09	0.03	0.04
Isovaleraldehyde	ND	ND	ND
Valeraldehyde	0.04	0.01	0.02
Tolualdehydes	0.03	0.01	0.03
Hexaldehyde	0.03	0.02	0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND

u - Concentration is below the detection limit.

* - Compound diluted 5X.

- After extraction, sample came to room temperature due to power outage.

Detroit (River Ridge), Michigan 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2CT036	Meets
FB ID	Criteria	25698 FB	Criteria
Sample date	per	2/13/2002	
Date Analyzed	QAPP	3/22/2002	(Y/N)
Formaldehyde	<0.3	0.065	Y
Acetaldehyde	<0.4	0.064	Y
Acetone	<0.75	0.137	Y
Propionaldehyde		0.012	
Crotonaldehyde		ND	
Butyraldehyde		0.059	
Benzaldehyde		0.016	
Isovaleraldehyde		ND	
Valeraldehyde		0.009	
Tolualdehydes		0.046	
Hexaldehyde		0.024	
2,5-Dimethylbenzaldehyde		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.165	Y

St. Louis, Missouri (Site 4 - S4MO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	**31050	31052	31235	31392	31390
SAMPLE DATE	12/4/2002	12/10/2002	12/16/2002	12/22/2002	12/28/2002
ANALYSIS DATE	1/20/2003	1/20/2003	1/22/2003	2/3/2003	2/3/2003
FILE NAME	V3AT009	V3AT007	V3AU028	V3BB022	V3BC011
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.92	4.58	4.66	2.95	3.44
Acetaldehyde	2.06	3.73	2.20	1.59	2.08
Acetone	1.31	2.70	0.86	1.03	1.86
Propionaldehyde	0.10	0.16	0.10	0.07	0.09
Crotonaldehyde	0.01 u	0.02	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.24	0.38	0.24	0.12	0.17
Benzaldehyde	0.05	0.10	0.06	0.04	0.05
Isovaleraldehyde	0.01	0.02	0.01	ND	0.01
Valeraldehyde	0.05	0.08	0.05	0.04	0.05
Tolualdehydes	0.02	0.05	0.03	0.02	0.02
Hexaldehyde	0.08	0.14	0.18	0.15	0.16
2,5-Dimethylbenzaldehyde	ND	ND	0.01	ND	ND

u - Concentration below detection limit

** - Sample extracted out of hold time because sample was placed in mislabeled bag.

St. Louis, Missouri (S4MO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	**31050	31052	31235	31392	31390
SAMPLE DATE	12/4/2002	12/10/2002	12/16/2002	12/22/2002	12/28/2002
ANALYSIS DATE	1/20/2003	1/20/2003	1/22/2003	2/3/2003	2/3/2003
FILE NAME	V3AT009	V3AT007	V3AU028	V3BB022	V3BC011
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	3.60	5.65	5.74	3.63	4.24
Acetaldehyde	3.72	6.74	3.97	2.87	3.75
Acetone	3.12	6.43	2.05	2.46	4.43
Propionaldehyde	0.24	0.39	0.25	0.16	0.21
Crotonaldehyde	0.03 u	0.06	0.02 u	0.02 u	0.02 u
Butyr/Isobutyraldehyde	0.71	1.13	0.70	0.35	0.52
Benzaldehyde	0.21	0.45	0.28	0.17	0.23
Isovaleraldehyde	0.05	0.09	0.05	ND	0.03
Valeraldehyde	0.19	0.27	0.19	0.14	0.16
Tolualdehydes	0.10	0.25	0.16	0.10	0.11
Hexaldehyde	0.31	0.58	0.73	0.60	0.67
2,5-Dimethylbenzaldehyde	ND	ND	0.05	ND	ND

u - Concentration below detection limit

** - Sample extracted out of hold time because sample was placed in mislabeled bag.

St. Louis, Missouri (S4MO) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V3BC012	Meets
FB ID	Criteria	31389 FB	Criteria
Sample date	per	12/28/2002	
Date Analyzed	QAPP	2/3/2003	(Y/N)
Formaldehyde	<0.3	0.30	Y
Acetaldehyde	<0.4	0.06	Y
Acetone	<0.75	0.20	Y
Propionaldehyde		0.01	
Crotonaldehyde		ND	
Butyraldehyde		0.08	
Benzaldehyde		0.01	
Isovaleraldehyde		ND	
Valeraldehyde		0.005	
Tolualdehydes		0.08	
Hexaldehyde		0.03	
2,5-Dimethylbenzaldehyde		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.214	Y

Souix Falls, South Dakota (SFSD) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	26509	26606	26678	26865	26987	27098
SAMPLE DATE	3/27/2002	4/2/2002	4/8/2002	4/14/2002	4/20/2002	4/26/2002
ANALYSIS DATE	5/10/2002	5/11/2002	5/14/2002	5/15/2002	5/20/2002	5/22/2002
FILE NAME	F2EJ009	F2EJ030	F2EM021	F2EO021	F2ES032	F2EU024
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.10	1.21	1.44	2.27	1.40	1.77
Acetaldehyde	0.96	0.73	0.56	0.88	0.54	0.61
Acetone	1.98	1.27	1.30	1.36	1.19	1.35
Propionaldehyde	0.10	0.04	0.05	0.09	0.05	0.08
Crotonaldehyde	0.02	0.005 u	0.005 u	0.01 u	0.004 u	0.005 u
Butyr/Isobutyraldehyde	0.23	0.11	0.13	0.25	0.15	0.18
Benzaldehyde	0.02	0.02	0.02	0.03	0.02	0.03
Isovaleraldehyde	ND	ND	ND	0.01	0.00 u	0.00
Valeraldehyde	0.02	0.01	0.01	0.02	0.01	0.02
Tolualdehydes	0.04	0.02	0.03	0.03	0.02	0.02
Hexaldehyde	0.04	0.02	0.04	0.04	0.03	0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND	0.001 u	ND	ND

Souix Falls, South Dakota (SFSD) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	27342	27473	27546 D1	27548 D2	27667	27815
SAMPLE DATE	5/2/2002	5/8/2002	5/14/2002	5/14/2002	5/20/2002	5/26/2002
ANALYSIS DATE	5/24/2002	5/30/2002	VOID	6/7/2002	6/8/2002	6/11/2002
FILE NAME	F2EW023	F2E#027	VOID	F2FF039	F2FG016	F2FJ032
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.15	1.19		2.31	1.93	2.60
Acetaldehyde	0.78	0.59		0.74	0.71	0.96
Acetone	*7.66	0.92		1.72	1.67	1.22
Propionaldehyde	0.09	0.09		0.09	0.08	0.12
Crotonaldehyde	0.01 u	ND		0.004 u	0.005 u	0.01 u
Butyr/Isobutyraldehyde	0.72	0.17		0.25	0.21	0.29
Benzaldehyde	0.08	0.03		0.04	0.02	0.06
Isovaleraldehyde	ND	ND		ND	0.01	0.01
Valeraldehyde	0.02	0.02		0.03	0.03	0.04
Tolualdehydes	0.06	0.04		0.04	0.04	0.03
Hexaldehyde	0.06	0.03		0.03	0.03	0.06
2,5-Dimethylbenzaldehyde	ND	ND		ND	ND	ND

Souix Falls, South Dakota (SFSD) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	27819	27922	28123	28245	28359 D1	28361 D2
SAMPLE DATE	6/1/2002	6/7/2002	6/13/2002	6/19/2002	6/25/2002	6/25/2002
ANALYSIS DATE	6/27/2002	6/26/2002	7/11/2002	7/16/2002	VOID	VOID
FILE NAME	F2FZ018	F2FZ009	F2GK017	F2GP008	VOID	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.89	5.76	**27.72	4.14		
Acetaldehyde	1.18	1.21	2.44	1.58		
Acetone	1.70	0.84	1.36	0.97		
Propionaldehyde	0.15	0.15	0.17	0.19		
Crotonaldehyde	0.01	0.02	0.04	0.06		
Butyr/Isobutyraldehyde	0.30	0.07	0.24	0.11		
Benzaldehyde	0.05	0.05	0.25	0.07		
Isovaleraldehyde	ND	0.03	ND	ND		
Valeraldehyde	0.03	0.03	0.18	0.04		
Tolualdehydes	0.10	0.05	0.19	0.04		
Hexaldehyde	0.04	0.02	0.42	0.07		
2,5-Dimethylbenzaldehyde	ND	0.009	ND	ND		

See last page for explanation of footnotes.

Souix Falls, South Dakota (SFSD) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	28545	28656	28766	28853	28988	29076
SAMPLE DATE	7/1/2002	7/7/2002	7/13/2002	7/19/2002	7/25/2002	7/31/2002
ANALYSIS DATE	7/31/2002	VOID	VOID	VOID	VOID	VOID
FILE NAME	***F2G\$021	VOID	VOID	VOID	VOID	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	6.52					
Acetaldehyde	0.24					
Acetone	0.08					
Propionaldehyde	0.02					
Crotonaldehyde	ND					
Butyr/Isobutyraldehyde	ND					
Benzaldehyde	0.02					
Isovaleraldehyde	ND					
Valeraldehyde	ND					
Tolualdehydes	ND					
Hexaldehyde	0.02					
2,5-Dimethylbenzaldehyde	ND					

Souix Falls, South Dakota (SFSD) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	29186	29310	29317	29470	29644	29745
SAMPLE DATE	8/6/2002	8/12/2002	8/18/2002	8/24/2002	8/30/2002	9/5/2002
ANALYSIS DATE	VOID	9/12/2002	9/6/2002	VOID	VOID	VOID
FILE NAME	VOID	F2IK018	V2ID062	VOID	VOID	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde		3.90	1.62			
Acetaldehyde		1.80	0.85			
Acetone		3.96	0.71			
Propionaldehyde		0.13	0.10			
Crotonaldehyde		0.02	0.01			
Butyr/Isobutyraldehyde		0.19	0.15			
Benzaldehyde		0.09	0.03			
Isovaleraldehyde		ND	0.003			
Valeraldehyde		0.05	0.02			
Tolualdehydes		0.09	0.04			
Hexaldehyde		0.08	0.05			
2,5-Dimethylbenzaldehyde		ND	ND			

Souix Falls, South Dakota (SFSD) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	29879	29909	30012	30042	30103	30218
SAMPLE DATE	9/11/2002	9/17/2002	9/23/2002	9/29/2002	10/5/2002	10/11/2002
ANALYSIS DATE	VOID	10/3/2002	10/17/2002	10/23/2002	10/25/2002	11/5/2002
FILE NAME	VOID	F2JB051	V2JP021	***V2JW009	V2JX021	V2KE008
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde		3.65	1.74	2.40	1.80	1.84
Acetaldehyde		1.16	0.76	0.43	0.92	0.68
Acetone		1.41	1.44	0.03	1.19	1.07
Propionaldehyde		0.16	0.09	0.06	0.11	0.08
Crotonaldehyde		0.01 u	0.01 u	ND	0.01 u	0.004 u
Butyr/Isobutyraldehyde		0.37	0.19	0.12	0.15	0.11
Benzaldehyde		0.05	0.03	0.06	0.03	0.05
Isovaleraldehyde		0.01	0.01	ND	0.01	ND
Valeraldehyde		0.04	0.03	0.02	0.03	0.02
Tolualdehydes		0.04	0.03	0.09	0.03	0.03
Hexaldehyde		0.05	0.04	0.40	0.03	0.03
2,5-Dimethylbenzaldehyde		ND	ND	ND	ND	ND

See last page for explanation of footnotes.

Souix Falls, South Dakota (SFSD) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30295	30386 D1	30386 R1	30388 D2	30388 R2	30982
SAMPLE DATE	10/17/2002	10/23/2002	10/23/2002	10/23/2002	10/23/2002	10/29/2002
ANALYSIS DATE	11/22/2002	12/3/2002	12/3/2002	12/3/2002	12/3/2002	VOID
FILE NAME	V2KV010	V2LB031	V2LB032	V2LB033	V2LB034	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.93	1.80	1.81	1.64	1.65	
Acetaldehyde	0.94	1.25	1.25	1.16	1.16	
Acetone	1.36	1.05	1.05	0.95	0.94	
Propionaldehyde	0.08	0.07	0.07	0.06	0.06	
Crotonaldehyde	0.01 u	0.01 u	0.004 u	0.01 u	0.01 u	
Butyr/Isobutyraldehyde	0.14	0.11	0.10	0.10	0.10	
Benzaldehyde	0.03	0.03	0.03	0.02	0.02	
Isovaleraldehyde	0.01	0.00	0.01	0.01	0.004	
Valeraldehyde	0.03	0.02	0.02	0.02	0.02	
Tolualdehydes	0.03	0.02	0.02	0.02	0.02	
Hexaldehyde	0.03	0.02	0.02	0.02	0.02	
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	

Souix Falls, South Dakota (SFSD) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30600 D1	30602 D2	#30735	30886	?30871	31115
SAMPLE DATE	11/10/2002	11/10/2002	11/16/2002	11/22/2002	11/28/2002	12/4/2002
ANALYSIS DATE	VOID	VOID	12/24/2002	VOID	1/3/2003	1/13/2003
FILE NAME	VOID	VOID	V2LW044	VOID	V3AB035	V3AM009
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde			2.37		2.38	5.18
Acetaldehyde			1.40		1.23	2.88
Acetone			1.12		0.99	2.54
Propionaldehyde			0.09		0.10	0.23
Crotonaldehyde			0.01 u		0.01 u	0.01 u
Butyr/Isobutyraldehyde			0.18		0.14	0.27
Benzaldehyde			0.03		0.03	0.08
Isovaleraldehyde			ND		ND	0.02
Valeraldehyde			0.03		0.03	0.07
Tolualdehydes			0.04		0.03	0.08
Hexaldehyde			0.06		0.04	0.08
2,5-Dimethylbenzaldehyde			ND		ND	ND

Souix Falls, South Dakota (SFSD) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	31280	31282	31313	31357
SAMPLE DATE	12/10/2002	12/16/2002	12/22/2002	12/28/2002
ANALYSIS DATE	1/21/2003	1/21/2003	VOID	VOID
FILE NAME	V3AU009	V3AU007	VOID	VOID
UNITS	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.77	**47.08		
Acetaldehyde	0.56	4.49		
Acetone	0.58	5.57		
Propionaldehyde	0.04	0.55		
Crotonaldehyde	0.01	0.03		
Butyr/Isobutyraldehyde	0.11	0.65		
Benzaldehyde	0.17	0.54		
Isovaleraldehyde	ND	ND		
Valeraldehyde	0.01	0.26		
Tolualdehydes	0.03	0.82		
Hexaldehyde	0.02	0.70		
2,5-Dimethylbenzaldehyde	ND	ND		

Souix Falls, South Dakota (SFSD) 2002 UATMP Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2EO020	Meets	VOID	Meets	F2E#026	Meets
FB ID	Criteria	26864 FB	Criteria	26986	Criteria	27472 FB	Criteria
Sample date	per	4/14/2002		4/20/2002		5/8/2002	
Date Analyzed	QAPP	5/15/2002	(Y/N)	VOID	(Y/N)	5/30/2002	(Y/N)
Formaldehyde	<0.3	0.036	Y		Y	0.086	Y
Acetaldehyde	<0.4	0.062	Y		Y	0.147	Y
Acetone	<0.75	0.205	Y		Y	0.188	Y
Propionaldehyde		0.009				0.009	
Crotonaldehyde		0.010				ND	
Butyraldehyde		0.237				0.299	
Benzaldehyde		0.016				0.019	
Isovaleraldehyde		ND				ND	
Valeraldehyde		0.008				ND	
Tolualdehydes		0.054				0.040	
Hexaldehyde		0.063				0.035	
2,5-Dimethylbenzaldehyde		ND				ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.396	Y	0.000	Y	0.402	Y

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(µg/cartridge)

Data File ID	Acceptance	F2FJ033	Meets	F2GK016	Meets	F2GP009	Meets
FB ID	Criteria	27814 FB	Criteria	28122 FB	Criteria	28244 FB	Criteria
Sample date	per	5/26/2002		6/13/2002		6/19/2002	
Date Analyzed	QAPP	6/11/2002	(Y/N)	7/11/2002	(Y/N)	7/16/2002	(Y/N)
Formaldehyde	<0.3	0.027	Y	0.079	Y	0.070	Y
Acetaldehyde	<0.4	0.139	Y	0.087	Y	0.114	Y
Acetone	<0.75	0.193	Y	0.197	Y	0.203	Y
Propionaldehyde		0.009		0.012		0.011	
Crotonaldehyde		ND		ND		0.018	
Butyraldehyde		0.269		0.018		0.019	
Benzaldehyde		0.016		0.020		0.053	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.015		0.008		ND	
Tolualdehydes		0.053		0.062		0.066	
Hexaldehyde		0.020		0.033		0.020	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.379	Y	0.152	Y	0.187	Y

Souix Falls, South Dakota (SFSD) 2002 UATMP Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V2GQ034	Meets	V2ID020	Meets	F2IK019	Meets
FB ID	Criteria	28655 FB	Criteria	28987 FB	Criteria	29309 FB	Criteria
Sample date	per	7/7/2002		7/25/2002		8/12/2002	
Date Analyzed	QAPP	7/18/2002	(Y/N)	9/4/2002	(Y/N)	9/12/2002	(Y/N)
Formaldehyde	<0.3	0.111	Y	0.112	Y	0.147	Y
Acetaldehyde	<0.4	0.085	Y	0.164	Y	0.184	Y
Acetone	<0.75	0.179	Y	0.213	Y	0.187	Y
Propionaldehyde		0.011		0.013		0.012	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.023		0.409		0.389	
Benzaldehyde		ND		0.021		0.015	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.008		0.009		0.010	
Tolualdehydes		0.119		0.029		0.248	
Hexaldehyde		0.022		0.047		0.020	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.183	Y	0.526	Y	0.693	Y

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(µg/cartridge)

Data File ID	Acceptance	VOID	Meets	VOID	Meets	V2JP022	Meets
FB ID	Criteria	29643 FB	Criteria	29744 FB	Criteria	30011 FB	Criteria
Sample date	per	8/30/2002		9/5/2002		9/23/2002	
Date Analyzed	QAPP	VOID	(Y/N)	VOID	(Y/N)	10/17/2002	(Y/N)
Formaldehyde	<0.3		Y		Y	0.070	Y
Acetaldehyde	<0.4		Y		Y	0.099	Y
Acetone	<0.75		Y		Y	0.158	Y
Propionaldehyde						0.005	
Crotonaldehyde						0.010	
Butyraldehyde						0.223	
Benzaldehyde						0.014	
Isovaleraldehyde						ND	
Valeraldehyde						0.006	
Tolualdehydes						0.037	
Hexaldehyde						0.023	
2,5-Dimethylbenzaldehyde						ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.000	Y	0.000	Y	0.316	Y

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(µg/cartridge)

Data File ID	Acceptance	VOID	Meets	VOID	Meets	V2LW042	Meets
FB ID	Criteria	30185 FB	Criteria	30981 FB	Criteria	#30733 FB	Criteria
Sample date	per	10/11/2002		10/29/2002		11/16/2002	
Date Analyzed	QAPP	VOID	(Y/N)	VOID	(Y/N)	12/24/2002	(Y/N)
Formaldehyde	<0.3		Y		Y	0.104	Y
Acetaldehyde	<0.4		Y		Y	0.141	Y
Acetone	<0.75		Y		Y	0.266	Y
Propionaldehyde						0.014	
Crotonaldehyde						ND	
Butyraldehyde						0.169	
Benzaldehyde						0.019	
Isovaleraldehyde						ND	
Valeraldehyde						ND	
Tolualdehydes						0.042	
Hexaldehyde						0.028	
2,5-Dimethylbenzaldehyde						ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.000	Y	0.000	Y	0.270	Y

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(µg/cartridge)

Data File ID	Acceptance	VOID	Meets	V3AU008	Meets	V3A\$015	Meets
FB ID	Criteria	30872 FB	Criteria	31279 FB	Criteria	31356 FB	Criteria
Sample date	per	11/22/2002		12/10/2002		12/28/2002	
Date Analyzed	QAPP	VOID	(Y/N)	1/21/2003	(Y/N)	1/30/2003	(Y/N)
Formaldehyde	<0.3		Y	0.135	Y	0.070	Y
Acetaldehyde	<0.4		Y	0.067	Y	0.065	Y
Acetone	<0.75		Y	0.251	Y	0.267	Y
Propionaldehyde				ND		0.010	
Crotonaldehyde				ND		ND	
Butyraldehyde				0.162		0.134	
Benzaldehyde				ND		0.015	
Isovaleraldehyde				ND		ND	
Valeraldehyde				0.002		0.006	
Tolualdehydes				0.162		0.024	
Hexaldehyde				0.031		0.027	
2,5-Dimethylbenzaldehyde				ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.000	Y	0.356	Y	0.215	Y

Souix Falls, South Dakota (SFSD) 2002 UATMP Carbonyl Annual Data Report

u - Concentration below detection limit

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

* - Compound was diluted 2X.

** - Compound was diluted 5X.

*** - Sample was diluted 10X due to high moisture content in cartridge.

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SAMPLE #	24888	25056	25138	25257	25389 D1	25389 R1
SAMPLE DATE	1/2/2002	1/8/2002	1/14/2002	1/20/2002	1/26/2002	1/26/2002
ANALYSIS DATE	1/22/2002	1/25/2002	1/30/2002	3/5/2002	3/13/2002	3/13/2002
FILE NAME	F2AU047	F2AY009	F2A#023	F2CE013	F2CL042	F2CL043
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.76	2.84	3.10	1.73	1.52	1.52
Acetaldehyde	1.75	1.72	2.05	1.29	1.28	1.28
Acetone	0.36	0.85	0.56	0.37	0.29	0.29
Propionaldehyde	0.16	0.19	0.26	0.12	0.12	0.11
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.02	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.09	0.24	0.26	0.25	0.13	0.14
Benzaldehyde	0.04	0.06	0.06	0.04	0.03	0.03
Isovaleraldehyde	0.01	ND	0.01	ND	0.01	0.01
Valeraldehyde	0.03	0.03	0.03	0.01	0.02	0.02
Tolualdehydes	0.04	0.17	0.07	0.05	0.02	0.03
Hexaldehyde	0.02	0.04	0.04	0.03	0.02	0.02
2,5-Dimethylbenzaldehyde	0.01	0.01	ND	ND	0.01	0.01

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, cartridge came to room temperature due to power outage.

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SAMPLE #	25391 D2	25391 R2	25523	25675	25847	25850
SAMPLE DATE	1/26/2002	1/26/2002	2/1/2002	2/7/2002	2/13/2002	2/19/2002
ANALYSIS DATE	4/25/2002	4/25/2002	3/13/2002	VOID	VOID	4/4/2002
FILE NAME	F2DY007	F2DY008	F2CL027	VOID	VOID	F2DD033
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	6.66	6.67	2.61			1.65
Acetaldehyde	0.07	0.07	1.66			0.73
Acetone	0.03	0.04	0.65			0.62
Propionaldehyde	ND	ND	0.21			0.04
Crotonaldehyde	0.01 u	0.01 u	0.01 u			0.01 u
Butyr/Isobutyraldehyde	0.01	0.01	0.31			0.11
Benzaldehyde	0.06	0.05	0.05			0.03
Isovaleraldehyde	0.04	0.04	ND			ND
Valeraldehyde	ND	ND	0.03			0.02
Tolualdehydes	ND	ND	0.05			0.04
Hexaldehyde	ND	ND	0.04			0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND			ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, cartridge came to room temperature due to power outage.

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SAMPLE #	26022 D1	26022 R1	26024 D2	26024 R2	26130	26231
SAMPLE DATE	2/25/2002	2/25/2002	2/25/2002	2/25/2002	3/3/2002	3/9/2002
ANALYSIS DATE	4/10/2002	4/10/2002	4/10/2002	4/10/2002	4/12/2002	4/13/2002
FILE NAME	F2DI028	F2DI029	F2DI030	F2DI031	F2DL008	F2DL021
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.19	1.17	4.65	4.62	1.60	1.86
Acetaldehyde	0.88	0.87	3.94	3.92	0.70	1.54
Acetone	0.35	0.35	0.87	0.86	0.45	0.48
Propionaldehyde	0.08	0.08	0.43	0.44	0.09	0.16
Crotonaldehyde	0.01 u	0.00 u	0.01 u	0.01 u	ND	0.01 u
Butyr/Isobutyraldehyde	0.07	0.06	0.28	0.27	0.08	0.13
Benzaldehyde	0.02	0.02	0.10	0.10	0.03	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.01	0.06	0.06	0.01	0.02
Tolualdehydes	0.02	0.01	0.11	0.10	ND	0.04
Hexaldehyde	0.01	0.01	0.08	0.08	0.02	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, cartridge came to room temperature due to power outage.

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SAMPLE #	26321	26400	26513	26588	26682	26994
SAMPLE DATE	VOID	3/21/2002	3/27/2002	4/2/2002	4/8/2002	4/20/2002
ANALYSIS DATE	VOID	4/29/2002	5/10/2002	VOID	5/14/2002	5/20/2002
FILE NAME	F2DV034	F2D#008	F2EJ011	VOID	F2EM023	F2ES034
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde		2.41	2.07		2.25	1.27
Acetaldehyde		1.06	1.29		1.01	1.01
Acetone		0.72	0.82		0.56	0.37
Propionaldehyde		0.13	0.13		0.06	0.09
Crotonaldehyde		0.01 u	0.04		0.01 u	0.01 u
Butyr/Isobutyraldehyde		0.32	0.29		0.32	0.20
Benzaldehyde		0.05	0.06		0.05	0.03
Isovaleraldehyde		ND	ND		ND	0.01
Valeraldehyde		0.02	0.02		0.02	0.03
Tolualdehydes		0.03	0.04		0.05	0.01
Hexaldehyde		0.02	0.05		0.03	0.03
2,5-Dimethylbenzaldehyde		ND	ND		ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, cartridge came to room temperature due to power outage.

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SAMPLE #	27108 D1	27108 R1	27110 D2	27110 R2	27317	27449
SAMPLE DATE	4/26/2002	4/26/2002	4/26/2002	4/26/2002	5/2/2002	5/8/2002
ANALYSIS DATE	5/22/2002	5/22/2002	5/22/2002	5/22/2002	5/29/2002	6/4/2002
FILE NAME	F2EU029	F2EU030	F2EU032	F2EU033	F2E#006	F2FC015
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.68	1.68	1.61	1.61	1.59	2.01
Acetaldehyde	1.22	1.22	1.20	1.20	0.89	0.94
Acetone	0.31	0.32	0.31	0.31	0.25	0.20
Propionaldehyde	0.09	0.09	0.09	0.09	0.07	0.09
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.20	0.20	0.20	0.20	0.14	0.23
Benzaldehyde	0.11	0.06	0.06	0.06	0.06	0.05
Isovaleraldehyde	0.003 u	0.01	0.01	0.01	ND	ND
Valeraldehyde	0.02	0.02	0.02	0.02	0.01	0.02
Tolualdehydes	0.03	0.03	0.03	0.02	0.01	0.02
Hexaldehyde	0.02	0.03	0.03	0.02	0.02	0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, cartridge came to room temperature due to power outage.

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SAMPLE #	27522 D1	27522 R1	27524 D2	27524 R2	27632	27746
SAMPLE DATE	5/14/2002	5/14/2002	5/14/2002	5/14/2002	5/20/2002	5/26/2002
ANALYSIS DATE	6/6/2002	6/6/2002	6/6/2002	6/6/2002	VOID	6/11/2002
FILE NAME	F2FF017	F2FF018	F2FF019	F2FF020	VOID	F2FJ022
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.67	2.70	2.57	2.59		2.24
Acetaldehyde	1.22	1.25	1.20	1.22		1.19
Acetone	0.28	0.29	0.26	0.26		0.35
Propionaldehyde	0.16	0.17	0.18	0.16		0.09
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.01 u		0.01 u
Butyr/Isobutyraldehyde	0.30	0.31	0.27	0.27		0.23
Benzaldehyde	0.07	0.08	0.06	0.07		0.05
Isovaleraldehyde	ND	ND	ND	ND		0.01
Valeraldehyde	0.03	0.03	0.03	0.03		0.03
Tolualdehydes	0.05	0.06	0.06	0.06		0.06
Hexaldehyde	0.02	0.03	0.03	0.03		0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND		ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, cartridge came to room temperature due to power outage.

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SAMPLE #	27825	27914	28001	28217	28335 D1	28335 R1
SAMPLE DATE	6/1/2002	6/7/2002	6/13/2002	6/19/2002	6/25/2002	6/25/2002
ANALYSIS DATE	6/27/2002	6/26/2002	VOID	7/11/2002	7/11/2002	7/11/2002
FILE NAME	F2FZ021	F2FZ005	VOID	V2GJ016	V2GK009	V2GK010
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.10	2.64		1.86	2.10	2.10
Acetaldehyde	0.66	0.92		0.70	0.97	1.00
Acetone	0.27	0.33		0.14	0.18	0.18
Propionaldehyde	0.06	0.09		0.09	0.10	0.10
Crotonaldehyde	ND	0.01 u		0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.21	0.23		0.08	0.09	0.09
Benzaldehyde	0.05	0.09		0.04	0.04	0.05
Isovaleraldehyde	ND	ND		ND	0.01	0.01
Valeraldehyde	0.02	0.03		0.01	0.02	0.02
Tolualdehydes	0.03	0.04		0.04	0.05	0.05
Hexaldehyde	0.02	0.02		0.02	0.03	0.03
2,5-Dimethylbenzaldehyde	0.00	ND		ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, cartridge came to room temperature due to power outage.

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SAMPLE #	28337 D2	28337 R2	28471	28561	28742	28851
SAMPLE DATE	6/25/2002	6/25/2002	7/1/2002	7/7/2002	7/13/2002	7/19/2002
ANALYSIS DATE	7/11/2002	7/11/2002	7/30/2002	7/16/2002	VOID	8/5/2002
FILE NAME	V2GK011	V2GK012	F2G\$007	V2GP013	VOID	F2HE013
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.03	2.03	2.55	1.89		2.21
Acetaldehyde	0.96	0.96	0.87	0.96		1.00
Acetone	0.18	0.18	0.24	0.23		0.36
Propionaldehyde	0.10	0.10	0.10	0.08		0.09
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.05		0.01 u
Butyr/Isobutyraldehyde	0.09	0.09	0.21	0.07		0.13
Benzaldehyde	0.04	0.05	0.04	0.04		0.06
Isovaleraldehyde	0.01	0.01	ND	0.01		0.02
Valeraldehyde	0.02	0.02	0.02	0.01		0.01
Tolualdehydes	0.05	0.05	0.01	0.05		0.04
Hexaldehyde	0.03	0.03	0.02	0.02		0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND		ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, cartridge came to room temperature due to power outage.

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SAMPLE #	28954	29041	29096	29218	29289	29472
SAMPLE DATE	7/25/2002	7/31/2002	8/6/2002	8/12/2002	8/18/2002	8/24/2002
ANALYSIS DATE	VOID	VOID	9/10/2002	9/11/2002	9/5/2002	9/17/2002
FILE NAME	VOID	VOID	F2II022	F2IK010	V2ID054	F2IP027
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde			2.78	2.74	1.62	2.01
Acetaldehyde			1.11	0.84	1.23	1.16
Acetone			0.31	0.34	0.31	0.28
Propionaldehyde			0.13	0.14	0.09	0.10
Crotonaldehyde			0.01 u	0.01 u	0.00 u	0.00 u
Butyr/Isobutyraldehyde			0.14	0.19	0.17	0.24
Benzaldehyde			0.09	0.08	0.03	0.06
Isovaleraldehyde			0.03	0.05	0.02	0.05
Valeraldehyde			0.03	0.04	0.01	0.02
Tolualdehydes			0.04	0.03	0.02	0.04
Hexaldehyde			0.03	0.02	0.01	0.02
2,5-Dimethylbenzaldehyde			0.01	0.00	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, cartridge came to room temperature due to power outage.

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SAMPLE #	29597	29736	29832 D1	29832 R1	29834 D2	29834 R2
SAMPLE DATE	8/30/2002	9/5/2002	9/11/2002	9/11/2002	9/11/2002	9/11/2002
ANALYSIS DATE	9/19/2002	9/19/2002	9/25/2002	9/25/2002	9/25/2002	9/25/2002
FILE NAME	V2IR022	F2IR022	F2IX049	F2IX050	F2IX051	F2IX052
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.73	1.77	2.51	2.62	2.56	2.56
Acetaldehyde	1.16	0.96	1.57	1.62	1.56	1.57
Acetone	0.40	0.28	0.29	0.27	0.30	0.30
Propionaldehyde	0.09	0.06	0.11	0.09	0.11	0.11
Crotonaldehyde	0.01 u	0.01 u	0.01	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.20	0.27	0.36	0.37	0.42	0.40
Benzaldehyde	0.04	0.04	0.07	0.08	0.08	0.10
Isovaleraldehyde	0.04	0.03	0.04	0.04	0.06	0.06
Valeraldehyde	0.02	0.01	0.02	0.02	0.02	0.02
Tolualdehydes	0.04	0.02	0.06	0.05	0.05	0.05
Hexaldehyde	0.02	0.01	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	0.01	ND	0.00 u	0.01	0.01	0.01

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, cartridge came to room temperature due to power outage.

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SAMPLE #	29898	29992	30070	30120	30231	30262
SAMPLE DATE	9/17/2002	9/23/2002	9/29/2002	10/5/2002	10/11/2002	10/17/2002
ANALYSIS DATE	10/3/2002	10/15/2002	10/24/2002	10/24/2002	11/5/2002	11/22/2002
FILE NAME	F2JB048	V2JN036	V2JW025	V2JX007	V2KE013	V2KV007
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.44	1.73	1.45	1.34	2.03	2.00
Acetaldehyde	1.29	1.03	0.64	1.09	1.05	0.94
Acetone	0.30	0.28	0.26	0.20	0.28	0.22
Propionaldehyde	0.13	0.10	0.07	0.13	0.11	0.12
Crotonaldehyde	0.01 u	0.01 u	0.004 u	0.004 u	0.004 u	0.004 u
Butyr/Isobutyraldehyde	0.30	0.24	0.20	0.15	0.15	0.13
Benzaldehyde	0.06	0.04	0.03	0.02	0.05	0.04
Isovaleraldehyde	0.04	0.03	0.02	0.03	0.03	0.01
Valeraldehyde	0.02	0.02	0.02	0.01	0.03	0.02
Tolualdehydes	0.03	0.02	0.02	0.02	0.03	0.03
Hexaldehyde	0.02	0.02	0.02	0.02	0.02	0.02
2,5-Dimethylbenzaldehyde	ND	0.01	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, cartridge came to room temperature due to power outage.

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SAMPLE #	30352 D1	30352 R1	30354 D2	30354 R2	#30468	30495
SAMPLE DATE	10/23/2002	10/23/2002	10/23/2002	10/23/2002	10/29/2002	11/4/2002
ANALYSIS DATE	11/27/2002	11/27/2002	11/27/2002	11/27/2002	12/13/2002	VOID
FILE NAME	V2KY058	V2KY059	V2KY060	V2KY061	V2LL010	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.23	2.24	2.15	2.15	2.03	
Acetaldehyde	1.84	1.84	1.82	1.82	1.24	
Acetone	0.32	0.33	0.33	0.33	0.28	
Propionaldehyde	0.15	0.16	0.16	0.16	0.13	
Crotonaldehyde	0.01	0.01 u	0.01 u	0.01 u	0.01 u	
Butyr/Isobutyraldehyde	0.14	0.14	0.14	0.14	0.11	
Benzaldehyde	0.06	0.07	0.06	0.06	0.04	
Isovaleraldehyde	0.01	0.02	0.02	0.02	0.01	
Valeraldehyde	0.01	0.02	0.02	0.02	0.02	
Tolualdehydes	0.05	0.03	0.03	0.03	0.02	
Hexaldehyde	0.02	0.02	0.02	0.02	0.02	
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, cartridge came to room temperature due to power outage.

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SAMPLE #	#30598	#30753	#30825	?30867	30952	31037
SAMPLE DATE	11/10/2002	11/16/2002	11/22/2002	11/28/2002	12/4/2002	12/10/2002
ANALYSIS DATE	12/20/2002	12/24/2002	12/24/2002	1/9/2003	1/10/2003	1/4/2003
FILE NAME	V2LT014	V2LW025	V2LW051	V3AH033	V3AH050	V3AB050
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.61	1.89	2.25	2.32	1.82	2.49
Acetaldehyde	1.48	1.34	0.83	1.20	1.07	1.25
Acetone	0.34	0.26	0.35	0.42	0.30	0.21
Propionaldehyde	0.08	0.12	0.11	0.13	0.12	0.18
Crotonaldehyde	0.01 u	0.02	0.01 u	ND	0.01 u	0.01
Butyr/Isobutyraldehyde	0.12	0.13	0.14	0.14	0.16	0.20
Benzaldehyde	0.03	0.05	0.03	0.03	0.04	0.12
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.02	0.01	0.02	0.01	0.02
Tolualdehydes	0.02	0.02	0.03	0.02	0.02	0.02
Hexaldehyde	0.02	0.01	0.02	0.02	0.01	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, cartridge came to room temperature due to power outage.

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SAMPLE #	31252	31309	31360
SAMPLE DATE	12/16/2002	12/22/2002	12/28/2002
ANALYSIS DATE	1/22/2003	2/2/2003	1/31/2003
FILE NAME	V3AU023	V3BB009	V3A\$018
UNITS	ppbv	ppbv	ppbv
Formaldehyde	2.00	1.49	1.84
Acetaldehyde	1.03	1.46	1.05
Acetone	0.38	0.36	0.39
Propionaldehyde	0.15	0.10	0.10
Crotonaldehyde	0.01 u	0.005 u	0.02
Butyr/Isobutyraldehyde	0.15	0.13	0.14
Benzaldehyde	0.22	0.01	0.03
Isovaleraldehyde	ND	ND	ND
Valeraldehyde	0.02	0.02	0.02
Tolualdehydes	0.02	0.02	0.03
Hexaldehyde	0.02	0.02	0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, cartridge came to room temperature due to power outage.

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(µg/cartridge)

Data File ID	Acceptance	F2A#022	Meets	F2CE012	Meets	F2CL026	Meets
FB ID	Criteria	25137 FB	Criteria	25256 FB	Criteria	25522 FB	Criteria
Sample date	per	1/14/2002		1/20/2002		2/1/2002	
Date Analyzed	QAPP	1/30/2002	(Y/N)	3/5/2002	(Y/N)	3/13/2002	(Y/N)
Formaldehyde	<0.3	0.062	Y	0.024	Y	0.034	Y
Acetaldehyde	<0.4	0.060	Y	0.034	Y	0.129	Y
Acetone	<0.75	0.255	Y	0.193	Y	0.209	Y
Propionaldehyde		0.005		ND		ND	
Crotonaldehyde		ND		ND		0.013	
Butyraldehyde		0.136		0.139		0.099	
Benzaldehyde		0.008		0.019		0.022	
Isovaleraldehyde		ND		ND		0.003	
Valeraldehyde		0.004		0.009		0.007	
Tolualdehydes		0.006		0.044		0.033	
Hexaldehyde		0.030		0.028		0.024	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.189	Y	0.238	Y	0.199	Y

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(µg/cartridge)

Data File ID	Acceptance	F2DD032	Meets	F2DL020	Meets	F2DV033	Meets
FB ID	Criteria	25849 FB	Criteria	26230 FB	Criteria	26320 FB	Criteria
Sample date	per	2/19/2002		3/9/2002		3/15/2002	
Date Analyzed	QAPP	4/4/2002	(Y/N)	4/13/2002	(Y/N)	4/23/2002	(Y/N)
Formaldehyde	<0.3	0.073	Y	0.048	Y	0.060	Y
Acetaldehyde	<0.4	0.066	Y	0.064	Y	0.034	Y
Acetone	<0.75	0.226	Y	0.231	Y	0.202	Y
Propionaldehyde		ND		ND		ND	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.071		0.037		0.336	
Benzaldehyde		0.011		0.021		0.015	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.008		0.007		0.004	
Tolualdehydes		0.047		0.035		0.027	
Hexaldehyde		0.019		0.025		0.016	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.155	Y	0.124	Y	0.396	Y

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(µg/cartridge)

Data File ID	Acceptance	F2ES033	Meets	F2FC014	Meets	F2FJ023	Meets
FB ID	Criteria	26993 FB	Criteria	27448 FB	Criteria	27745 FB	Criteria
Sample date	per	4/20/2002		5/8/2002		5/26/2002	
Date Analyzed	QAPP	5/20/2002	(Y/N)	6/3/2002	(Y/N)	6/11/2002	(Y/N)
Formaldehyde	<0.3	0.046	Y	0.032	Y	0.040	Y
Acetaldehyde	<0.4	0.132	Y	0.112	Y	0.130	Y
Acetone	<0.75	0.213	Y	0.160	Y	0.219	Y
Propionaldehyde		0.010		0.008		0.012	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.236		0.104		0.261	
Benzaldehyde		0.027		0.018		0.014	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.014		0.013		0.016	
Tolualdehydes		0.059		0.061		0.042	
Hexaldehyde		0.040		0.020		0.024	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.385	Y	0.223	Y	0.368	Y

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(µg/cartridge)

Data File ID	Acceptance	F2GK045	Meets	V2GJ015	Meets	V2GP012	Meets
FB ID	Criteria	28000 FB	Criteria	28216 FB	Criteria	28560 FB	Criteria
Sample date	per	6/13/2002		6/19/2002		7/7/2002	
Date Analyzed	QAPP	7/12/2002	(Y/N)	7/10/2002	(Y/N)	7/16/2002	(Y/N)
Formaldehyde	<0.3	0.045	Y	0.048	Y	0.038	Y
Acetaldehyde	<0.4	0.115	Y	0.079	Y	0.105	Y
Acetone	<0.75	0.175	Y	0.147	Y	0.173	Y
Propionaldehyde		0.011		0.007		0.011	
Crotonaldehyde		ND		ND		0.013	
Butyraldehyde		0.015		0.012		0.017	
Benzaldehyde		0.037		0.023		0.041	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.012		0.010		0.007	
Tolualdehydes		0.050		0.084		0.048	
Hexaldehyde		0.025		0.017		0.026	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.148	Y	0.152	Y	0.161	Y

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(µg/cartridge)

Data File ID	Acceptance	V2ID012	Meets	F2IK009	Meets	V2IR021	Meets
FB ID	Criteria	28953 FB	Criteria	29217 FB	Criteria	29596 FB	Criteria
Sample date	per	7/25/2002		8/12/2002		8/30/2002	
Date Analyzed	QAPP	9/4/2002	(Y/N)	9/11/2002	(Y/N)	9/19/2002	(Y/N)
Formaldehyde	<0.3	0.056	Y	0.109	Y	0.037	Y
Acetaldehyde	<0.4	0.081	Y	0.103	Y	0.103	Y
Acetone	<0.75	0.161	Y	0.196	Y	0.226	Y
Propionaldehyde		0.006		0.009		0.006	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.128		0.158		0.183	
Benzaldehyde		0.014		0.015		0.009	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.008		0.008		0.007	
Tolualdehydes		0.037		0.039		0.029	
Hexaldehyde		0.024		0.018		0.022	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.216	Y	0.245	Y	0.254	Y

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(µg/cartridge)

Data File ID	Acceptance	F2IR023	Meets	V2JN035	Meets	V2KE012	Meets
FB ID	Criteria	29735 FB	Criteria	29991 FB	Criteria	30230 FB	Criteria
Sample date	per	9/5/2002		9/23/2002		10/11/2002	
Date Analyzed	QAPP	9/19/2002	(Y/N)	10/15/2002	(Y/N)	11/5/2002	(Y/N)
Formaldehyde	<0.3	0.065	Y	0.084	Y	0.310	N
Acetaldehyde	<0.4	0.055	Y	0.142	Y	0.062	Y
Acetone	<0.75	0.221	Y	0.170	Y	0.146	Y
Propionaldehyde		0.008		0.008		ND	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.509		0.227		0.107	
Benzaldehyde		0.016		0.017		0.015	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.007		0.008		0.004	
Tolualdehydes		0.046		0.052		0.046	
Hexaldehyde		0.019		0.026		0.043	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.604	Y	0.337	Y	0.213	Y

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(µg/cartridge)

Data File ID	Acceptance	V2LL011	Meets	V2LQ027	Meets	V2LW024	Meets
FB ID	Criteria	#30467 FB	Criteria	#30494 FB	Criteria	#30752 FB	Criteria
Sample date	per	10/29/2002		11/4/2002		11/16/2002	
Date Analyzed	QAPP	12/13/2002	(Y/N)	12/18/2002	(Y/N)	12/24/2002	(Y/N)
Formaldehyde	<0.3	0.033	Y	0.039	Y	0.053	Y
Acetaldehyde	<0.4	0.077	Y	0.082	Y	0.083	Y
Acetone	<0.75	0.239	Y	0.252	Y	0.232	Y
Propionaldehyde		ND		0.008		ND	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.077		0.053		0.110	
Benzaldehyde		0.018		0.011		0.017	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.006		0.007		0.010	
Tolualdehydes		0.035		0.027		0.027	
Hexaldehyde		0.022		0.027		0.041	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.156	Y	0.132	Y	0.204	Y

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(µg/cartridge)

Data File ID	Acceptance	V2LW052	Meets	V3AB051	Meets	V3A\$017	Meets
FB ID	Criteria	#30824 FB	Criteria	31036 FB	Criteria	31359 FB	Criteria
Sample date	per	11/22/2002		12/10/2002		12/28/2002	
Date Analyzed	QAPP	12/24/2002	(Y/N)	1/4/2003	(Y/N)	1/31/2003	(Y/N)
Formaldehyde	<0.3	0.221	Y	0.073	Y	0.044	Y
Acetaldehyde	<0.4	0.060	Y	0.063	Y	0.076	Y
Acetone	<0.75	0.215	Y	0.213	Y	0.230	Y
Propionaldehyde		ND		ND		0.005	
Crotonaldehyde		ND		0.016		ND	
Butyraldehyde		0.110		0.095		0.119	
Benzaldehyde		0.018		0.018		ND	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.004		ND		0.005	
Tolualdehydes		0.042		0.025		0.138	
Hexaldehyde		0.018		0.018		0.031	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.192	Y	0.171	Y	0.297	Y

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SAMPLE #	25145	25153	25151	25299	25487 D1	25487 R1
SAMPLE DATE	1/2/2002	1/8/2002	1/14/2002	1/20/2002	1/26/2002	1/26/2002
ANALYSIS DATE	1/24/2002	1/24/2002	1/30/2002	3/5/2002	3/14/2002	3/14/2002
FILE NAME	F2AW027	F2AW028	F2A#030	F2CE030	F2CL068	F2CL069
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.93	5.47	3.50	1.94	1.84	1.83
Acetaldehyde	1.54	2.72	1.23	0.69	0.65	0.65
Acetone	3.21	5.89	2.48	1.08	1.40	1.40
Propionaldehyde	0.16	0.29	0.14	0.06	0.04	0.04
Crotonaldehyde	0.02	0.04	0.02	0.01	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.19	0.43	0.17	0.12	0.11	0.11
Benzaldehyde	0.09	0.14	0.08	0.04	0.04	0.04
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.06	0.10	0.06	0.02	0.02	0.02
Tolualdehydes	0.07	0.13	0.07	0.03	0.02	0.03
Hexaldehyde	0.09	0.12	0.08	0.04	0.04	0.05
2,5-Dimethylbenzaldehyde	0.02	0.03	0.01	0.01	ND	ND

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SAMPLE #	25488 D2	25488 R2	25618	25800	25813	25960
SAMPLE DATE	1/26/2002	1/26/2002	2/1/2002	2/7/2002	2/13/2002	2/19/2002
ANALYSIS DATE	3/14/2002	3/14/2002	3/20/2002	3/21/2002	3/22/2002	4/3/2002
FILE NAME	F2CL070	F2CL071	F2CR024	F2CT018	F2CT025	F2DD006
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.00	1.98	2.79	4.32	3.08	2.41
Acetaldehyde	0.70	0.67	1.31	2.54	1.44	0.82
Acetone	1.42	1.40	2.05	5.37	2.73	1.82
Propionaldehyde	0.04	0.04	0.13	0.27	0.15	0.05
Crotonaldehyde	0.01 u	0.01 u	0.02	0.03	0.01	0.01
Butyr/Isobutyraldehyde	0.11	0.11	0.18	0.36	0.19	0.08
Benzaldehyde	0.04	0.04	0.08	0.13	0.09	0.06
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.02	0.04	0.06	0.04	0.02
Tolualdehydes	0.03	0.03	0.04	0.06	0.04	0.03
Hexaldehyde	0.05	0.04	0.06	0.07	0.07	0.04
2,5-Dimethylbenzaldehyde	ND	ND	0.01	ND	ND	ND

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SAMPLE #	26088 D1	26088 R1	26090 D2	26090 R2	26610	26214
SAMPLE DATE	2/25/2002	2/25/2002	2/25/2002	2/25/2002	3/3/2002	3/9/2002
ANALYSIS DATE	4/5/2002	4/5/2002	4/5/2002	4/5/2002	VOID	4/12/2002
FILE NAME	F2DD074	F2DD075	F2DD076	F2DD077	VOID	F2DL013
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.68	1.67	1.78	1.78		2.15
Acetaldehyde	0.47	0.47	0.50	0.50		0.71
Acetone	1.32	1.31	1.31	1.30		1.34
Propionaldehyde	0.04	0.04	0.04	0.04		0.07
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.01 u		0.02
Butyr/Isobutyraldehyde	0.10	0.11	0.11	0.11		0.10
Benzaldehyde	0.04	0.04	0.04	0.04		0.05
Isovaleraldehyde	ND	ND	ND	ND		ND
Valeraldehyde	0.02	0.02	0.02	0.02		0.04
Tolualdehydes	0.03	0.04	0.03	0.03		0.04
Hexaldehyde	0.05	0.06	0.05	0.05		0.04
2,5-Dimethylbenzaldehyde	0.09	0.03	0.03	ND		ND

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SAMPLE #	26388	26608	26771	26773	26947	27060
SAMPLE DATE	3/15/2002	3/21/2002	4/2/2002	4/8/2002	4/14/2002	4/20/2002
ANALYSIS DATE	4/23/2002	VOID	5/14/2002	5/14/2002	5/16/2002	5/21/2002
FILE NAME	F2DV045	VOID	F2EM028	F2EM029	F2EO047	F2EU016
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.10		2.51	3.34	2.51	2.64
Acetaldehyde	0.69		0.87	1.24	0.74	0.79
Acetone	1.42		1.88	2.19	1.68	1.87
Propionaldehyde	0.06		0.07	0.17	0.07	0.06
Crotonaldehyde	0.01 u		0.01	0.01	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.18		0.16	0.19	0.16	0.13
Benzaldehyde	0.05		0.06	0.14	0.04	0.05
Isovaleraldehyde	ND		ND	ND	ND	ND
Valeraldehyde	0.03		0.03	0.04	0.03	0.03
Tolualdehydes	0.03		0.04	0.05	0.05	0.06
Hexaldehyde	0.06		0.05	0.06	0.06	0.08
2,5-Dimethylbenzaldehyde	ND		ND	0.001 u	ND	ND

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SAMPLE #	27247	27382	27484	25491 D1	25491 D2	27550 D1
SAMPLE DATE	4/26/2002	5/2/2002	5/8/2002	5/13/2002	5/13/2002	5/14/2002
ANALYSIS DATE	5/23/2002	5/29/2002	5/30/2002	VOID	VOID	VOID
FILE NAME	F2EW009	F2E#017	F2E#033	VOID	VOID	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.51	3.17	2.06			
Acetaldehyde	0.99	1.13	1.00			
Acetone	1.72	2.24	1.78			
Propionaldehyde	0.03	0.12	0.16			
Crotonaldehyde	0.01	0.01 u	0.01 u			
Butyr/Isobutyraldehyde	0.10	0.14	0.18			
Benzaldehyde	0.08	0.08	0.05			
Isovaleraldehyde	ND	ND	ND			
Valeraldehyde	0.03	0.05	0.03			
Tolualdehydes	0.06	0.06	0.03			
Hexaldehyde	0.05	0.06	0.06			
2,5-Dimethylbenzaldehyde	ND	ND	ND			

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SAMPLE #	27552 D2	27862	27844	27821	27996	28204
SAMPLE DATE	5/14/2002	5/20/2002	5/26/2002	6/1/2002	6/7/2002	6/13/2002
ANALYSIS DATE	VOID	6/21/2002	6/20/2002	6/27/2002	7/9/2002	VOID
FILE NAME	VOID	F2FT022	F2FT012	F2FZ019	V2GI019	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde		2.03	2.66	3.78	4.14	
Acetaldehyde		0.66	0.79	0.91	1.41	
Acetone		1.73	2.20	1.55	1.97	
Propionaldehyde		ND	ND	0.04	0.09	
Crotonaldehyde		0.01 u	0.01	0.01 u	0.08	
Butyr/Isobutyraldehyde		0.12	0.13	0.18	0.10	
Benzaldehyde		0.04	0.05	0.07	0.11	
Isovaleraldehyde		ND	ND	0.10	ND	
Valeraldehyde		0.02	0.03	0.04	0.04	
Tolualdehydes		0.04	0.04	0.05	0.07	
Hexaldehyde		0.03	0.03	0.04	0.08	
2,5-Dimethylbenzaldehyde		ND	ND	ND	ND	

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SAMPLE #	28324	28363 D1	28363 R1	28365 D2	28365 R2	28620
SAMPLE DATE	6/19/2002	6/26/2002	6/26/2002	6/26/2002	6/26/2002	7/4/2002
ANALYSIS DATE	7/17/2002	7/29/2002	7/29/2002	7/29/2002	7/29/2002	7/18/2002
FILE NAME	F2GP029	F2G#012	F2G#013	F2G#014	F2G#015	V2GQ018
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.25	5.60	5.49	5.44	5.44	3.69
Acetaldehyde	0.84	1.72	1.69	1.70	1.71	1.25
Acetone	1.93	3.28	3.17	3.14	3.14	1.64
Propionaldehyde	0.04	0.10	0.14	0.09	0.09	0.11
Crotonaldehyde	0.01 u	0.01 u	0.01	0.01 u	0.01 u	0.02
Butyr/Isobutyraldehyde	0.26	0.13	0.13	0.12	0.12	0.10
Benzaldehyde	0.05	0.09	0.09	0.10	0.09	0.07
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.03	0.03	0.03	0.04	0.04
Tolualdehydes	0.04	0.07	0.06	0.08	0.07	0.07
Hexaldehyde	0.04	0.06	0.07	0.08	0.08	0.08
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	28635	28947	29051	29150	29152	29285
SAMPLE DATE	7/7/2002	7/13/2002	7/25/2002	7/31/2002	8/6/2002	8/12/2002
ANALYSIS DATE	7/18/2002	VOID	9/5/2002	9/9/2002	9/9/2002	9/11/2002
FILE NAME	V2GQ038	VOID	F2IE015	F2II012	F2II013	F2IK016
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.67		4.24	4.80	3.06	2.37
Acetaldehyde	1.12		0.83	1.61	0.83	0.84
Acetone	1.83		1.03	2.56	1.44	0.24
Propionaldehyde	0.04		ND	0.09	0.05	0.11
Crotonaldehyde	0.03		0.02	0.01	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.06 u		0.06 u	0.14	0.09	0.16
Benzaldehyde	0.05		0.09	0.10	0.05	0.04
Isovaleraldehyde	ND		ND	ND	ND	ND
Valeraldehyde	0.03		0.04	0.05	0.02	0.02
Tolualdehydes	0.07		0.07	0.07	0.05	0.02
Hexaldehyde	0.04		ND	0.06	0.01	0.01
2,5-Dimethylbenzaldehyde	ND		ND	ND	ND	ND

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SAMPLE #	29321	29527 D1	29527 R1	29529 D2	29529 R2	29659
SAMPLE DATE	8/18/2002	8/24/2002	8/24/2002	8/24/2002	8/24/2002	8/30/2002
ANALYSIS DATE	9/6/2002	9/17/2002	9/17/2002	9/17/2002	9/17/2002	9/19/2002
FILE NAME	V2ID063	F2IP042	F2IP043	F2IP044	F2IP045	V2IR024
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	4.66	4.41	4.36	4.52	4.51	2.43
Acetaldehyde	2.18	1.65	1.64	1.70	1.68	0.83
Acetone	4.03	2.80	2.79	3.28	3.26	2.37
Propionaldehyde	0.16	0.11	0.11	0.12	0.12	ND
Crotonaldehyde	0.02	0.02	0.02	0.02	0.03	0.01
Butyr/Isobutyraldehyde	0.20	0.20	0.20	0.21	0.22	0.09
Benzaldehyde	0.08	0.08	0.08	0.08	0.08	0.05
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.06	0.05	0.05	0.05	0.05	0.01
Tolualdehydes	0.11	0.10	0.10	0.11	0.08	0.04
Hexaldehyde	0.08	0.07	0.06	0.07	0.04	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	29748	29881 D1	29881 R1	29883 D2	29883 R2	29911
SAMPLE DATE	9/5/2002	9/11/2002	9/11/2002	9/11/2002	9/11/2002	9/17/2002
ANALYSIS DATE	9/19/2002	10/3/2002	10/3/2002	10/3/2002	10/3/2002	10/3/2002
FILE NAME	F2IR018	F2JB040	F2JB041	F2JB042	F2JB043	F2JB052
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.66	4.33	4.33	4.45	4.45	2.81
Acetaldehyde	0.84	1.43	1.41	1.48	1.49	0.77
Acetone	1.51	0.96	0.96	1.08	1.08	1.12
Propionaldehyde	ND	0.03	0.04	0.04	0.04	0.04
Crotonaldehyde	0.01	0.02	0.03	0.01	0.02	0.01
Butyr/Isobutyraldehyde	0.24	0.18	0.18	0.19	0.20	0.18
Benzaldehyde	0.06	0.11	0.11	0.11	0.11	0.06
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.03	0.03	0.03	0.03	0.02
Tolualdehydes	0.03	0.06	0.09	0.08	0.08	0.03
Hexaldehyde	0.01	0.01	0.02	0.01	0.01	0.03
2,5-Dimethylbenzaldehyde	0.00	ND	ND	ND	ND	0.00

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SAMPLE #	30020	30062	30147	30235	30277	30360 D1
SAMPLE DATE	9/23/2002	9/29/2002	10/5/2002	10/11/2002	10/17/2002	10/23/2002
ANALYSIS DATE	10/17/2002	10/24/2002	11/4/2002	11/14/2002	11/6/2002	11/27/2002
FILE NAME	V2JP026	V2JW021	V2KD011	V2KM023	V2KE021	V2KY068
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.54	2.15	2.20	2.16	*14.77	*16.17
Acetaldehyde	1.60	0.42	0.78	0.89	3.40	3.41
Acetone	3.64	0.95	1.95	2.51	5.81	2.84
Propionaldehyde	0.12	0.02	0.08	0.07	0.24	0.18
Crotonaldehyde	0.01	0.02	0.01	0.01	0.04	0.02
Butyr/Isobutyraldehyde	0.19	0.10	0.11	0.08	0.32	0.27
Benzaldehyde	0.11	0.04	0.06	0.06	0.22	0.22
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.05	0.01	0.03	0.03	0.20	0.17
Tolualdehydes	0.07	0.03	0.06	0.04	0.30	0.20
Hexaldehyde	0.10	0.03	0.05	0.04	0.39	0.33
2,5-Dimethylbenzaldehyde	ND	0.01	ND	ND	ND	ND

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SAMPLE #	30360 R1	30362 D2	30362 R2	#30450	30596	#30664
SAMPLE DATE	10/23/2002	10/23/2002	10/23/2002	10/29/2002	11/4/2002	11/10/2002
ANALYSIS DATE	11/27/2002	11/27/2002	11/27/2002	12/13/2002	VOID	12/21/2002
FILE NAME	V2KY069	V2KY070	V2KY071	V2LL024	VOID	V2LT024
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	*16.38	*15.55	*15.54	2.37		3.42
Acetaldehyde	3.40	3.30	3.30	0.92		1.03
Acetone	2.83	2.92	2.92	2.61		1.59
Propionaldehyde	0.17	0.17	0.17	0.08		0.06
Crotonaldehyde	0.02	0.02	0.02	0.01		0.01
Butyr/Isobutyraldehyde	0.27	0.26	0.27	0.12		0.08
Benzaldehyde	0.23	0.22	0.23	0.07		0.06
Isovaleraldehyde	ND	ND	ND	ND		ND
Valeraldehyde	0.16	0.15	0.15	0.03		0.04
Tolualdehydes	0.21	0.18	0.19	0.07		0.05
Hexaldehyde	0.34	0.33	0.35	0.08		0.07
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND		ND

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SAMPLE #	#30765	?%30884	30942 D1	30942 R1	30944 D2	30944 R2
SAMPLE DATE	11/16/2002	11/22/2002	11/28/2002	11/28/2002	11/28/2002	11/28/2002
ANALYSIS DATE	12/21/2002	1/3/2003	1/10/2003	1/10/2003	1/10/2003	1/10/2003
FILE NAME	V2LT034	V3AB028	V3AH054	V3AH055	V3AH056	V3AH057
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.43	5.56	4.87	4.87	4.85	4.85
Acetaldehyde	1.02	2.84	2.26	2.25	2.25	2.25
Acetone	1.88	4.95	3.32	3.31	3.34	3.33
Propionaldehyde	0.07	0.28	0.21	0.21	0.20	0.21
Crotonaldehyde	0.01	0.03	0.04	0.03	0.04	0.04
Butyr/Isobutyraldehyde	0.13	0.32	0.27	0.27	0.27	0.27
Benzaldehyde	0.07	0.17	0.13	0.10	0.13	0.10
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.04	0.09	0.07	0.06	0.06	0.06
Tolualdehydes	0.05	0.10	0.08	0.08	0.08	0.08
Hexaldehyde	0.08	0.11	0.09	0.10	0.08	0.08
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

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SAMPLE #	31006	31127	25494	31129	25496	31341
SAMPLE DATE	12/4/2002	12/10/2002	12/12/2002	12/16/2002	12/18/2002	12/22/2002
ANALYSIS DATE	1/13/2003	1/3/2003	VOID	1/3/2003	VOID	2/2/2003
FILE NAME	V3AM013	V3AB044	VOID	V3AB043	VOID	V3BB008
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	4.83	4.28		3.32		2.74
Acetaldehyde	1.81	2.40		0.67		0.85
Acetone	3.93	5.42		1.33		1.41
Propionaldehyde	0.15	0.24		ND		0.06
Crotonaldehyde	0.03	0.03		0.01		0.01
Butyr/Isobutyraldehyde	0.24	0.35		0.10		0.10
Benzaldehyde	0.37	0.13		0.20		0.05
Isovaleraldehyde	ND	ND		ND		ND
Valeraldehyde	0.06	0.07		0.03		0.03
Tolualdehydes	0.08	0.06		ND		0.03
Hexaldehyde	0.09	0.09		0.06		0.07
2,5-Dimethylbenzaldehyde	ND	ND		ND		ND

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SAMPLE #	31449
SAMPLE DATE	12/28/2002
ANALYSIS DATE	2/6/2003
FILE NAME	V3BE012
UNITS	ppbv
Formaldehyde	1.96
Acetaldehyde	0.50
Acetone	0.97
Propionaldehyde	0.03
Crotonaldehyde	0.01 u
Butyr/Isobutyraldehyde	0.06 u
Benzaldehyde	0.04
Isovaleraldehyde	ND
Valeraldehyde	0.02
Tolualdehydes	0.02
Hexaldehyde	0.04
2,5-Dimethylbenzaldehyde	ND

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u - Concentration below detection limit

* - Compound diluted 2X.

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

% - Sample extracted out of hold time due to power outage.

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(µg/cartridge)

Data File ID	Acceptance	F2A#029	Meets	F2CE029	Meets	F2CR023	Meets
FB ID	Criteria	25150 FB	Criteria	25298 FB	Criteria	25617 FB	Criteria
Sample date	per	1/14/2002		1/20/2002		2/1/2002	
Date Analyzed	QAPP	1/30/2002	(Y/N)	3/5/2002	(Y/N)	3/20/2002	(Y/N)
Formaldehyde	<0.3	0.059	Y	0.035	Y	0.086	Y
Acetaldehyde	<0.4	0.056	Y	0.066	Y	0.042	Y
Acetone	<0.75	0.240	Y	0.199	Y	0.187	Y
Propionaldehyde		ND		ND		ND	
Crotonaldehyde		0.006		ND		ND	
Butyraldehyde		0.092		0.145		0.094	
Benzaldehyde		0.013		0.016		0.017	
Isovaleraldehyde		ND		ND		0.004	
Valeraldehyde		0.004		0.011		0.003	
Tolualdehydes		0.026		0.036		0.050	
Hexaldehyde		0.033		0.025		0.045	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.173	Y	0.232	Y	0.212	Y

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(µg/cartridge)

Data File ID	Acceptance	F2DA032	Meets	F2DL014	Meets	F2DV044	Meets
FB ID	Criteria	25959 FB	Criteria	26213 FB	Criteria	26387 FB	Criteria
Sample date	per	2/19/2002		3/9/2002		3/15/2002	
Date Analyzed	QAPP	4/2/2002	(Y/N)	4/12/2002	(Y/N)	4/23/2002	(Y/N)
Formaldehyde	<0.3	0.044	Y	0.068	Y	0.056	Y
Acetaldehyde	<0.4	0.080	Y	0.094	Y	0.034	Y
Acetone	<0.75	0.240	Y	0.227	Y	0.202	Y
Propionaldehyde		0.007		ND		ND	
Crotonaldehyde		0.011		ND		ND	
Butyraldehyde		0.124		0.060		0.277	
Benzaldehyde		0.017		0.05		0.013	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.008		ND		0.005	
Tolualdehydes		0.028		0.04		0.033	
Hexaldehyde		0.018		0.05		0.013	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.212	Y	0.198	Y	0.340	Y

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(µg/cartridge)

Data File ID	Acceptance	F2EO046	Meets	F2EU015	Meets	F2E#032	Meets
FB ID	Criteria	26946 FB	Criteria	27059 FB	Criteria	27483 FB	Criteria
Sample date	per	4/14/2002		4/20/2002		5/8/2002	
Date Analyzed	QAPP	5/16/2002	(Y/N)	5/21/2002	(Y/N)	5/30/2002	(Y/N)
Formaldehyde	<0.3	0.039	Y	0.063	Y	0.038	Y
Acetaldehyde	<0.4	0.063	Y	0.120	Y	0.049	Y
Acetone	<0.75	0.197	Y	0.206	Y	0.145	Y
Propionaldehyde		0.007		0.008		0.005	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.229		0.253		0.194	
Benzaldehyde		0.032		0.018		0.016	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.012		0.006		0.012	
Tolualdehydes		0.085		0.049		0.054	
Hexaldehyde		0.028		0.022		0.020	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.391	Y	0.355	Y	0.299	Y

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(µg/cartridge)

Data File ID	Acceptance	F2FT011	Meets	VOID	Meets	F2GP028	Meets
FB ID	Criteria	27843 FB	Criteria	28203 FB	Criteria	28323 FB	Criteria
Sample date	per	5/26/2002		6/13/2002		6/19/2002	
Date Analyzed	QAPP	6/20/2002	(Y/N)	VOID	(Y/N)	7/17/2002	(Y/N)
Formaldehyde	<0.3	0.077	Y		Y	0.081	Y
Acetaldehyde	<0.4	0.138	Y		Y	0.127	Y
Acetone	<0.75	0.228	Y		Y	0.206	Y
Propionaldehyde		0.011				0.011	
Crotonaldehyde		ND				ND	
Butyraldehyde		0.249				0.019	
Benzaldehyde		ND				0.070	
Isovaleraldehyde		ND				ND	
Valeraldehyde		0.013				0.014	
Tolualdehydes		0.014				0.041	
Hexaldehyde		0.053				0.024	
2,5-Dimethylbenzaldehyde		ND				ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.340	Y	0.000	Y	0.178	Y

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(µg/cartridge)

Data File ID	Acceptance	V2GQ037	Meets	F2IE014	Meets	F2IK017	Meets
FB ID	Criteria	28634 FB	Criteria	29050 FB	Criteria	29284 FB	Criteria
Sample date	per	7/7/2002		7/25/2002		8/12/2002	
Date Analyzed	QAPP	7/18/2002	(Y/N)	9/5/2002	(Y/N)	9/11/2002	(Y/N)
Formaldehyde	<0.3	0.066	Y	0.084	Y	0.084	Y
Acetaldehyde	<0.4	0.077	Y	0.093	Y	0.142	Y
Acetone	<0.75	0.144	Y	0.167	Y	0.181	Y
Propionaldehyde		0.010		0.009		0.010	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		ND		0.022		0.270	
Benzaldehyde		0.013		0.020		0.012	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		ND		0.004		ND	
Tolualdehydes		0.109		0.052		0.038	
Hexaldehyde		0.023		0.024		0.023	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.154	Y	0.130	Y	0.352	Y

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(µg/cartridge)

Data File ID	Acceptance	F2IP019	Meets	V2IR023	Meets	F2IR019	Meets
FB ID	Criteria	29526 FB	Criteria	29658 FB	Criteria	29747 FB	Criteria
Sample date	per	8/24/2002		8/30/2002		9/5/2002	
Date Analyzed	QAPP	9/17/2002	(Y/N)	9/19/2002	(Y/N)	9/19/2002	(Y/N)
Formaldehyde	<0.3	0.069	Y	0.039	Y	0.053	Y
Acetaldehyde	<0.4	0.072	Y	0.055	Y	0.050	Y
Acetone	<0.75	0.226	Y	0.228	Y	0.243	Y
Propionaldehyde		0.007		0.02		0.009	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.293		0.228		0.497	
Benzaldehyde		0.014		0.01		0.018	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.008		0.01		0.013	
Tolualdehydes		0.042		0.04		0.130	
Hexaldehyde		0.021		0.02		0.019	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.384	Y	0.331	Y	0.684	Y

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(µg/cartridge)

Data File ID	Acceptance	V2JP025	Meets	V2KM024	Meets	V2LL023	Meets
FB ID	Criteria	30019 FB	Criteria	30234 FB	Criteria	#30449 FB	Criteria
Sample date	per	9/23/2002		10/11/2002		10/29/2002	
Date Analyzed	QAPP	10/17/2002	(Y/N)	11/14/2002	(Y/N)	12/13/2002	(Y/N)
Formaldehyde	<0.3	0.039	Y	0.072	Y	0.029	Y
Acetaldehyde	<0.4	0.065	Y	0.085	Y	0.046	Y
Acetone	<0.75	0.154	Y	0.226	Y	0.223	Y
Propionaldehyde		0.005		0.009		ND	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.196		0.023		0.059	
Benzaldehyde		0.015		0.017		0.016	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.008		0.009		ND	
Tolualdehydes		0.041		0.025		0.036	
Hexaldehyde		0.014		0.022		0.019	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.278	Y	0.104	Y	0.129	Y

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(µg/cartridge)

Data File ID	Acceptance	V2LT035	Meets	V3AM014	Meets	V3BE011	Meets
FB ID	Criteria	#30764 FB	Criteria	31005 FB	Criteria	31448 FB	Criteria
Sample date	per	11/14/2002		12/4/2002		12/28/2002	
Date Analyzed	QAPP	12/21/2002	(Y/N)	1/14/2003	(Y/N)	2/6/2003	(Y/N)
Formaldehyde	<0.3	0.044	Y	0.251	Y	0.023	Y
Acetaldehyde	<0.4	0.076	Y	0.101	Y	0.105	Y
Acetone	<0.75	0.237	Y	0.224	Y	0.236	Y
Propionaldehyde		0.009		0.010		ND	
Crotonaldehyde		0.010		0.010		ND	
Butyraldehyde		0.115		0.106		0.084	
Benzaldehyde		0.047		0.057		0.09	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.003		0.009		0.00	
Tolualdehydes		0.042		0.046		0.04	
Hexaldehyde		0.034		0.038		0.03	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.258	Y	0.274	Y	0.242	Y

St. Louis, Missouri (Site 1 - SLMO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	24977	25106	25198	25339	25479 D1	25479 R1
SAMPLE DATE	1/2/2002	1/8/2002	1/14/2002	1/20/2002	1/26/2002	1/26/2002
ANALYSIS DATE	1/23/2002	1/26/2002	1/29/2002	3/5/2002	3/14/2002	3/14/2002
FILE NAME	F2AW012	F2AY019	F2A#012	F2CE043	F2CL063	F2CL064
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	16.12*	13.89*	15.86*	18.86*	10.29	10.24
Acetaldehyde	4.68	3.06	3.16	3.98	1.82	1.81
Acetone	7.45*	3.69	2.97	4.67	2.48	2.47
Propionaldehyde	0.33	0.25	0.28	0.27	0.14	0.13
Crotonaldehyde	0.04	0.03	0.04	0.04	0.01	0.02
Butyr/Isobutyraldehyde	0.59	0.42	0.49	0.54	0.23	0.23
Benzaldehyde	0.26	0.22	0.24	0.27	0.13	0.14
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.67	0.46	0.55	0.58	0.19	0.23
Tolualdehydes	0.10	0.10	0.09	0.10	0.06	0.07
Hexaldehyde	2.84	2.10	2.25	2.65	0.84	0.81
2,5-Dimethylbenzaldehyde	0.02	0.02	0.02	0.03	0.03	0.03

u - Concentration below detection limit

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St. Louis, Missouri (Site 1 - SLMO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	25480 D2	25480 R2	25621	25673	25824	25984
SAMPLE DATE	1/26/2002	1/26/2002	2/1/2002	2/7/2002	2/13/2002	2/19/2002
ANALYSIS DATE	3/14/2002	3/14/2002	3/20/2002	3/20/2002	3/22/2002	VOID
FILE NAME	F2CL065	F2CL066	F2CR026	F2CR032	F2CT027	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	9.69	9.67	18.41*	8.45	7.89	
Acetaldehyde	1.78	1.77	4.30	1.79	1.61	
Acetone	2.40	2.40	6.40	2.49	1.81	
Propionaldehyde	0.14	0.14	0.26	0.14	0.13	
Crotonaldehyde	0.02	0.02	0.02	0.02	0.02	
Butyr/Isobutyraldehyde	0.24	0.24	0.49	0.26	0.23	
Benzaldehyde	0.10	0.11	0.26	0.13	0.10	
Isovaleraldehyde	ND	ND	ND	ND	ND	
Valeraldehyde	0.20	0.28	0.51	0.19	0.15	
Tolualdehydes	0.07	0.06	0.12	0.05	0.05	
Hexaldehyde	0.78	0.75	2.21	0.82	0.68	
2,5-Dimethylbenzaldehyde	ND	ND	0.06	0.02	ND	

u - Concentration below detection limit

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SAMPLE #	26102 D1	26102 R1	26104 D2	26104 R2	26237	26342
SAMPLE DATE	2/25/2002	2/25/2002	2/25/2002	2/25/2002	3/3/2002	3/9/2002
ANALYSIS DATE	4/5/2002	4/5/2002	4/5/2002	4/5/2002	4/13/2002	4/20/2002
FILE NAME	F2DD083	F2DD084	F2DD085	F2DD086	F2DL024	F2DS030
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	7.58	7.62	7.24	7.22	12.55	13.92
Acetaldehyde	1.32	1.31	1.28	1.28	3.15	3.19
Acetone	1.68	1.69	1.66	1.65	4.06	4.54
Propionaldehyde	0.12	0.11	0.12	0.12	0.20	0.19
Crotonaldehyde	0.01	0.02	0.02	0.02	0.01 u	0.02
Butyr/Isobutyraldehyde	0.19	0.19	0.19	0.19	0.34	0.34
Benzaldehyde	0.11	0.10	0.11	0.11	0.18	0.21
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.17	0.18	0.17	0.17	0.34	0.40
Tolualdehydes	0.05	0.07	0.06	0.05	0.07	0.05
Hexaldehyde	0.71	0.70	0.68	0.68	1.63	1.54
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	0.06

u - Concentration below detection limit

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SAMPLE #	26392	26456	26550	26686	26805	26991
SAMPLE DATE	3/15/2002	3/21/2002	3/27/2002	4/2/2002	4/8/2002	4/14/2002
ANALYSIS DATE	4/24/2002	4/26/2002	5/11/2002	5/14/2002	5/15/2002	5/20/2002
FILE NAME	F2DV048	F2DZ015	F2EJ017	F2EM025	F2EO008	F2ES024
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	4.94	11.19	8.60	*19.74	15.05	15.01
Acetaldehyde	1.51	1.99	1.84	2.42	2.15	2.22
Acetone	2.44	2.74	2.61	2.16	2.12	2.23
Propionaldehyde	0.14	0.13	0.16	0.21	0.11	0.15
Crotonaldehyde	0.01	0.01	0.01	0.02	0.01	0.01
Butyr/Isobutyraldehyde	0.33	0.37	0.27	0.41	0.39	0.36
Benzaldehyde	0.05	0.18	0.16	0.34	0.29	0.29
Isovaleraldehyde	ND	ND	ND	ND	ND	0.03
Valeraldehyde	0.09	0.28	0.17	0.38	0.24	0.19
Tolualdehydes	0.05	0.05	0.07	0.17	0.15	0.05
Hexaldehyde	0.19	1.22	0.79	1.65	1.07	0.55
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	0.00	ND

u - Concentration below detection limit

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SAMPLE #	27091	27311	27416	27486	27566 D1	27566 R1
SAMPLE DATE	4/20/2002	4/26/2002	5/2/2002	5/8/2002	5/14/2002	5/14/2002
ANALYSIS DATE	VOID	5/24/2002	5/24/2002	VOID	6/9/2002	6/9/2002
FILE NAME	VOID	F2EW022	F2EW033	VOID	F2FG046	F2FG047
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde		**24.34	13.10		16.88	16.94
Acetaldehyde		4.76	2.11		1.51	1.51
Acetone		6.29	2.19		2.29	2.30
Propionaldehyde		0.24	0.14		0.34	0.36
Crotonaldehyde		0.02	0.02		0.02	0.01 u
Butyr/Isobutyraldehyde		0.47	0.32		0.29	0.32
Benzaldehyde		0.30	0.16		0.19	0.20
Isovaleraldehyde		ND	ND		ND	ND
Valeraldehyde		0.56	0.16		0.06	0.05
Tolualdehydes		0.07	0.06		0.11	0.12
Hexaldehyde		1.74	0.50		0.03	0.02
2,5-Dimethylbenzaldehyde		ND	ND		ND	ND

u - Concentration below detection limit

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SAMPLE #	27568 D2	27568 R2	27736	27901	27903	27991
SAMPLE DATE	5/14/2002	5/14/2002	5/20/2002	5/26/2002	6/1/2002	6/7/2002
ANALYSIS DATE	6/9/2002	6/9/2002	6/8/2002	6/12/2002	6/27/2002	7/9/2002
FILE NAME	F2FG048	F2FG049	F2FG029	F2FL013	F2FZ023	V2GI020
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	16.79	17.04	*21.07	*21.55	**20.12	**23.26
Acetaldehyde	1.69	1.68	2.54	2.53	3.61	2.93
Acetone	2.57	2.57	2.54	2.50	2.71	2.95
Propionaldehyde	0.42	0.43	0.20	0.16	0.15	0.17
Crotonaldehyde	0.01 u	0.01 u	0.02	0.01 u	0.02	0.07
Butyr/Isobutyraldehyde	0.35	0.35	0.45	0.39	0.43	0.34
Benzaldehyde	0.20	0.21	0.24	0.23	0.28	0.18
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.07	0.06	0.37	0.24	0.32	0.23
Tolualdehydes	0.11	0.11	0.09	0.11	0.18	0.06
Hexaldehyde	0.00 u	0.02	1.10	0.67	0.47	0.69
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit

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SAMPLE #	28055	28250	28331 D1	28331 R1	28332 D2	28332 R2
SAMPLE DATE	6/13/2002	6/19/2002	6/25/2002	6/25/2002	6/25/2002	6/25/2002
ANALYSIS DATE	7/12/2002	7/16/2002	7/29/2002	7/29/2002	7/29/2002	7/29/2002
FILE NAME	F2GK039	F2GP016	V2G#012	V2G#013	V2G#014	V2G#015
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	15.19	*21.43	**23.00	**23.19	#18.10	#18.11
Acetaldehyde	1.36	2.84	2.10	2.10	2.08	2.10
Acetone	1.46	1.97	0.90	0.90	0.85	0.85
Propionaldehyde	0.11	0.12	0.12	0.12	0.11	0.11
Crotonaldehyde	0.13	0.01	0.02	0.02	0.02	0.02
Butyr/Isobutyraldehyde	0.22	0.24	0.42	0.43	0.39	0.39
Benzaldehyde	0.14	0.21	0.35	0.36	0.36	0.36
Isovaleraldehyde	ND	ND	0.01	0.01	0.03	0.03
Valeraldehyde	0.15	0.16	0.22	0.22	0.25	0.25
Tolualdehydes	0.07	0.12	0.15	0.17	0.12	0.11
Hexaldehyde	0.48	0.45	0.41	0.43	0.47	0.47
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit

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St. Louis, Missouri (Site 1 - SLMO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	28531	28646	28790	*28924	29033	29072
SAMPLE DATE	7/1/2002	7/7/2002	7/13/2002	7/19/2002	7/25/2002	7/31/2002
ANALYSIS DATE	7/31/2002	7/18/2002	8/5/2002	8/7/2002	9/5/2002	VOID
FILE NAME	F2G\$019	V2GQ033	F2HE007	F2HF012	F2IE008	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	**25.21	**25.82	**28.28	34.53	#18.92	
Acetaldehyde	2.20	2.89	3.89	4.19	2.52	
Acetone	1.64	1.38	3.18	0.74	2.01	
Propionaldehyde	0.13	0.12	0.11	0.18	0.14	
Crotonaldehyde	0.02	0.01	0.02	0.08	0.10	
Butyr/Isobutyraldehyde	0.33	0.32	0.39	0.93	0.27	
Benzaldehyde	0.23	0.31	0.28	0.61	0.48	
Isovaleraldehyde	ND	ND	ND	ND	ND	
Valeraldehyde	0.14	0.27	0.24	0.19	0.49	
Tolualdehydes	0.15	0.14	0.12	0.24	0.33	
Hexaldehyde	0.53	0.48	0.53	0.68	0.29	
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	

u - Concentration below detection limit

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SAMPLE #	29533	29536	29303	29538	29573	29714
SAMPLE DATE	8/6/2002	8/12/2002	8/18/2002	8/24/2002	8/30/2002	9/5/2002
ANALYSIS DATE	VOID	VOID	VOID	VOID	9/18/2002	9/25/2002
FILE NAME	VOID	VOID	VOID	VOID	V2IR006	F2IX024
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde					*18.43	9.11
Acetaldehyde					2.44	1.82
Acetone					0.44	1.96
Propionaldehyde					0.11	0.05
Crotonaldehyde					0.02	0.01
Butyr/Isobutyraldehyde					0.26	0.28
Benzaldehyde					0.22	0.11
Isovaleraldehyde					0.06	ND
Valeraldehyde					0.27	0.07
Tolualdehydes					ND	ND
Hexaldehyde					0.50	0.07
2,5-Dimethylbenzaldehyde					0.01	ND

u - Concentration below detection limit

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St. Louis, Missouri (Site 1 - SLMO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	29804 D1	29804 R1	29806 D2	29806 R2	29975	29986
SAMPLE DATE	9/11/2002	9/11/2002	9/11/2002	9/11/2002	9/17/2002	9/23/2002
ANALYSIS DATE	10/3/2002	10/3/2002	10/3/2002	10/3/2002	10/15/2002	VOID
FILE NAME	F2JB018	F2JB019	F2JB020	F2JB021	V2JN031	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	8.77	8.77	12.69	12.68	7.62	
Acetaldehyde	1.33	1.33	1.26	1.26	1.32	
Acetone	1.53	1.53	1.52	1.51	2.15	
Propionaldehyde	0.07	0.07	0.10	0.10	0.05	
Crotonaldehyde	0.01	0.01 u	0.01 u	0.02 u	0.01 u	
Butyr/Isobutyraldehyde	0.33	0.36	0.43	0.41	0.27	
Benzaldehyde	0.13	0.12	0.12	0.12	0.11	
Isovaleraldehyde	ND	ND	ND	ND	0.02	
Valeraldehyde	0.10	0.11	0.12	0.12	0.07	
Tolualdehydes	0.06	0.06	ND	ND	0.06	
Hexaldehyde	0.23	0.23	0.28	0.27	0.16	
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	

u - Concentration below detection limit

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St. Louis, Missouri (Site 1 - SLMO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30099	30091	%31049	31051	31234	31391
SAMPLE DATE	9/29/2002	10/5/2002	12/4/2002	12/10/2002	12/16/2002	12/22/2002
ANALYSIS DATE	VOID	10/25/2002	1/20/2003	1/20/2003	1/22/2003	2/3/2003
FILE NAME	VOID	V2JX026	V3AT010	V3AT008	V3AU027	V3BB023
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde		*52.05	2.79	5.28	4.27	2.62
Acetaldehyde		3.86	1.37	2.37	1.16	1.20
Acetone		3.01	1.37	2.85	1.53	1.01
Propionaldehyde		0.13	0.10	0.17	0.11	0.08
Crotonaldehyde		0.02	0.01 u	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde		0.36	0.17	0.32	0.23	0.12
Benzaldehyde		0.49	0.04	0.10	0.04	0.03
Isovaleraldehyde		0.06	0.01	0.02	0.01	0.00
Valeraldehyde		0.30	0.03	0.05	0.03	0.02
Tolualdehydes		0.19	0.01	0.05	0.03	0.03
Hexaldehyde		0.71	0.02	0.04	0.03	0.03
2,5-Dimethylbenzaldehyde		ND	ND	0.01	0.00	ND

u - Concentration below detection limit

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St. Louis, Missouri (Site 1 - SLMO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	31388
SAMPLE DATE	12/28/2002
ANALYSIS DATE	2/3/2003
FILE NAME	V3BC013
UNITS	ppbv
Formaldehyde	3.61
Acetaldehyde	1.33
Acetone	1.62
Propionaldehyde	0.12
Crotonaldehyde	0.01 u
Butyr/Isobutyraldehyde	0.16
Benzaldehyde	0.04
Isovaleraldehyde	0.01
Valeraldehyde	0.02
Tolualdehydes	0.03
Hexaldehyde	0.04
2,5-Dimethylbenzaldehyde	ND

u - Concentration below detection limit

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St. Louis, Missouri (SLMO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	24977	25106	25198	25339	25479 D1	25479 R1
SAMPLE DATE	1/2/2002	1/8/2002	1/14/2002	1/20/2002	1/26/2002	1/26/2002
ANALYSIS DATE	1/23/2002	1/26/2002	1/29/2002	3/5/2002	3/14/2002	3/14/2002
FILE NAME	F2AW012	F2AY019	F2A#012	F2CE043	F2CL063	F2CL064
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	19.88*	17.13*	19.55*	23.25*	12.69	12.62
Acetaldehyde	3.27	5.53	5.70	7.18	3.29	3.27
Acetone	17.73*	8.78	7.08	11.11	5.91	5.87
Propionaldehyde	0.79	0.59	0.68	0.63	0.34	0.32
Crotonaldehyde	0.12	0.09	0.10	0.11	0.04	0.06
Butyr/Isobutyraldehyde	1.75	1.23	1.45	1.59	0.69	0.69
Benzaldehyde	1.12	0.96	1.06	1.20	0.55	0.61
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	2.37	1.61	1.93	2.06	0.66	0.81
Tolualdehydes	0.49	0.49	0.44	0.51	0.28	0.34
Hexaldehyde	11.66	8.60	9.25	10.86	3.43	3.32
2,5-Dimethylbenzaldehyde	0.11	0.12	0.09	0.17	0.15	0.15

u - Concentration below detection limit

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St. Louis, Missouri (SLMO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	25480 D2	25480 R2	25621	25673	25824	25984
SAMPLE DATE	1/26/2002	1/26/2002	2/1/2002	2/7/2002	2/13/2002	2/19/2002
ANALYSIS DATE	3/14/2002	3/14/2002	3/20/2002	3/20/2002	3/22/2002	VOID
FILE NAME	F2CL065	F2CL066	F2CR026	F2CR032	F2CT027	VOID
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	11.95	11.92	22.77	10.42*	9.73	
Acetaldehyde	3.21	3.20	2.31	3.24	2.90	
Acetone	5.72	5.71	15.22	5.92	4.30	
Propionaldehyde	0.33	0.34	0.61	0.34	0.31	
Crotonaldehyde	0.05	0.05	0.07	0.07	0.05	
Butyr/Isobutyraldehyde	0.71	0.70	1.44	0.75	0.67	
Benzaldehyde	0.44	0.46	1.13	0.55	0.45	
Isovaleraldehyde	ND	ND	ND	ND	ND	
Valeraldehyde	0.70	1.00	1.81	0.66	0.54	
Tolualdehydes	0.34	0.29	0.60	0.26	0.24	
Hexaldehyde	3.19	3.09	9.08	3.36	2.80	
2,5-Dimethylbenzaldehyde	ND	ND	0.31	0.13	ND	

u - Concentration below detection limit

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St. Louis, Missouri (SLMO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	26102 D1	26102 R1	26104 D2	26104 R2	26237	26342
SAMPLE DATE	2/25/2002	2/25/2002	2/25/2002	2/25/2002	3/3/2002	3/9/2002
ANALYSIS DATE	4/5/2002	4/5/2002	4/5/2002	4/5/2002	4/13/2002	4/20/2002
FILE NAME	F2DD083	F2DD084	F2DD085	F2DD086	F2DL024	F2DS030
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	9.34	9.39	8.93	8.90	15.47	17.16
Acetaldehyde	2.38	2.37	2.31	2.31	5.68	5.76
Acetone	4.01	4.02	3.94	3.93	9.65	10.80
Propionaldehyde	0.28	0.27	0.27	0.28	0.47	0.45
Crotonaldehyde	0.04	0.05	0.04	0.05	0.04	0.04
Butyr/Isobutyraldehyde	0.57	0.56	0.57	0.57	0.99	0.99
Benzaldehyde	0.48	0.44	0.47	0.46	0.78	0.90
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.60	0.62	0.62	0.61	1.20	1.43
Tolualdehydes	0.25	0.33	0.29	0.24	0.33	0.27
Hexaldehyde	2.89	2.86	2.80	2.79	6.70	6.33
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	0.30

u - Concentration below detection limit

* - See last page for explanation.

** - See last page for explanation.

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

St. Louis, Missouri (SLMO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	26392	26456	26550	26686	26805	26991
SAMPLE DATE	3/15/2002	3/21/2002	3/27/2002	4/2/2002	4/8/2002	4/14/2002
ANALYSIS DATE	4/24/2002	4/26/2002	5/11/2002	5/14/2002	5/15/2002	5/20/2002
FILE NAME	F2DV048	F2DZ015	F2EJ017	F2EM025	F2EO008	F2ES024
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	6.09	13.79	10.60	*24.33	18.55	18.51
Acetaldehyde	2.72	3.59	3.32	4.38	3.87	4.01
Acetone	5.81	6.53	6.20	5.14	5.05	5.30
Propionaldehyde	0.32	0.32	0.38	0.50	0.25	0.36
Crotonaldehyde	0.04	0.04	0.04	0.07	0.03	0.04
Butyr/Isobutyraldehyde	0.97	1.09	0.78	1.22	1.15	1.06
Benzaldehyde	0.23	0.80	0.69	1.49	1.26	1.24
Isovaleraldehyde	ND	ND	ND	ND	ND	0.09
Valeraldehyde	0.31	1.00	0.61	1.35	0.85	0.68
Tolualdehydes	0.22	0.22	0.34	0.84	0.76	0.22
Hexaldehyde	0.78	5.02	3.25	6.77	4.39	2.27
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	0.02	ND

u - Concentration below detection limit

* - See last page for explanation.

** - See last page for explanation.

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

St. Louis, Missouri (SLMO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	27091	27311	27416	27486	27566 D1	27566 R1
SAMPLE DATE	4/20/2002	4/26/2002	5/2/2002	5/8/2002	5/14/2002	5/14/2002
ANALYSIS DATE	VOID	5/24/2002	5/24/2002	VOID	6/9/2002	6/9/2002
FILE NAME	VOID	F2EW022	F2EW033	VOID	F2FG046	F2FG047
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde		**30.01	16.15		20.81	20.89
Acetaldehyde		8.60	3.81		2.73	2.72
Acetone		14.97	5.21		5.44	5.47
Propionaldehyde		0.56	0.34		0.80	0.87
Crotonaldehyde		0.07	0.04		0.05	0.02
Butyr/Isobutyraldehyde		1.40	0.96		0.87	0.93
Benzaldehyde		1.29	0.71		0.83	0.87
Isovaleraldehyde		ND	ND		ND	ND
Valeraldehyde		1.96	0.55		0.22	0.19
Tolualdehydes		0.34	0.28		0.56	0.60
Hexaldehyde		7.13	2.07		0.12	0.08
2,5-Dimethylbenzaldehyde		ND	ND		ND	ND

u - Concentration below detection limit

* - See last page for explanation.

** - See last page for explanation.

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

St. Louis, Missouri (SLMO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	27568 D2	27568 R2	27736	27901	27903	27991
SAMPLE DATE	5/14/2002	5/14/2002	5/20/2002	5/26/2002	6/1/2002	6/7/2002
ANALYSIS DATE	6/9/2002	6/9/2002	6/8/2002	6/12/2002	6/27/2002	7/9/2002
FILE NAME	F2FG048	F2FG049	F2FG029	F2FL013	F2FZ023	V2GI020
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	20.69	21.01	*25.98	*26.56	**24.80	**28.67
Acetaldehyde	3.05	3.03	4.59	4.56	6.51	5.29
Acetone	6.11	6.12	6.05	5.95	6.44	7.02
Propionaldehyde	1.00	1.02	0.47	0.37	0.35	0.41
Crotonaldehyde	0.02 u	0.02 u	0.04	0.03 u	0.05	0.20
Butyr/Isobutyraldehyde	1.03	1.03	1.34	1.15	1.26	1.01
Benzaldehyde	0.86	0.90	1.03	1.00	1.22	0.78
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.24	0.21	1.32	0.84	1.13	0.80
Tolualdehydes	0.54	0.52	0.46	0.52	0.89	0.29
Hexaldehyde	0.02 u	0.08	4.51	2.75	1.92	2.83
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit

* - See last page for explanation.

** - See last page for explanation.

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

St. Louis, Missouri (SLMO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	28055	28250	28331 D1	28331 R1	28332 D2	28332 R2
SAMPLE DATE	6/13/2002	6/19/2002	6/25/2002	6/25/2002	6/25/2002	6/25/2002
ANALYSIS DATE	7/12/2002	7/16/2002	7/29/2002	7/29/2002	7/29/2002	7/29/2002
FILE NAME	F2GK039	F2GP016	V2G#012	V2G#013	V2G#014	V2G#015
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	18.73	*26.41	**28.36	**28.59	#22.31	#22.33
Acetaldehyde	2.45	5.13	3.80	3.79	3.76	3.79
Acetone	3.47	4.69	2.15	2.13	2.01	2.02
Propionaldehyde	0.26	0.29	0.28	0.27	0.25	0.27
Crotonaldehyde	0.38	0.04	0.05	0.05	0.06	0.05
Butyr/Isobutyraldehyde	0.64	0.72	1.24	1.26	1.14	1.14
Benzaldehyde	0.62	0.90	1.52	1.56	1.59	1.59
Isovaleraldehyde	ND	ND	0.05	0.05	0.10	0.09
Valeraldehyde	0.55	0.57	0.79	0.78	0.89	0.89
Tolualdehydes	0.32	0.58	0.72	0.56	0.60	0.55
Hexaldehyde	1.96	1.84	1.69	1.53	1.93	1.92
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit

* - See last page for explanation.

** - See last page for explanation.

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

St. Louis, Missouri (SLMO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	28531	28646	28790	*28924	29033	29072
SAMPLE DATE	7/1/2002	7/7/2002	7/13/2002	7/19/2002	7/25/2002	7/31/2002
ANALYSIS DATE	7/31/2002	7/18/2002	8/5/2002	8/7/2002	9/5/2002	VOID
FILE NAME	F2G\$019	V2GQ033	F2HE007	F2HF012	F2IE008	VOID
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	**31.08	**31.83	**34.87	42.57	#23.32	
Acetaldehyde	3.97	5.22	7.03	7.56	4.55	
Acetone	3.89	3.29	7.57	1.75	4.78	
Propionaldehyde	0.32	0.30	0.26	0.42	0.34	
Crotonaldehyde	0.06	0.04	0.05	0.22	0.28	
Butyr/Isobutyraldehyde	0.96	0.94	1.15	2.75	0.81	
Benzaldehyde	1.02	1.34	1.23	2.67	2.11	
Isovaleraldehyde	ND	ND	ND	ND	ND	
Valeraldehyde	0.50	0.95	0.83	0.67	1.72	
Tolualdehydes	0.74	0.67	0.60	1.18	1.62	
Hexaldehyde	2.16	1.99	2.18	2.78	1.21	
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	

u - Concentration below detection limit

* - See last page for explanation.

** - See last page for explanation.

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

St. Louis, Missouri (SLMO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	29533	29536	29303	29538	29573	29714
SAMPLE DATE	8/6/2002	8/12/2002	8/18/2002	8/24/2002	8/30/2002	9/5/2002
ANALYSIS DATE	VOID	VOID	VOID	VOID	9/18/2002	9/25/2002
FILE NAME	VOID	VOID	VOID	VOID	V2IR006	F2IX024
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde					*22.73	11.23
Acetaldehyde					4.40	3.28
Acetone					1.04	4.66
Propionaldehyde					0.26	0.12
Crotonaldehyde					0.06	0.03
Butyr/Isobutyraldehyde					0.76	0.82
Benzaldehyde					0.95	0.47
Isovaleraldehyde					0.21	ND
Valeraldehyde					0.96	0.25
Tolualdehydes					ND	ND
Hexaldehyde					2.04	0.29
2,5-Dimethylbenzaldehyde					0.04	ND

u - Concentration below detection limit

* - See last page for explanation.

** - See last page for explanation.

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

St. Louis, Missouri (SLMO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	29804 D1	29804 R1	29806 D2	29806 R2	29975	29986
SAMPLE DATE	9/11/2002	9/11/2002	9/11/2002	9/11/2002	9/17/2002	9/23/2002
ANALYSIS DATE	10/3/2002	10/3/2002	10/3/2002	10/3/2002	10/15/2002	VOID
FILE NAME	F2JB018	F2JB019	F2JB020	F2JB021	V2JN031	VOID
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	10.82	10.81	15.64	15.63	9.39	
Acetaldehyde	2.40	2.40	2.27	2.27	2.38	
Acetone	3.65	3.65	3.61	3.59	5.11	
Propionaldehyde	0.17	0.16	0.23	0.23	0.12	
Crotonaldehyde	0.03	0.03 u	0.04 u	0.04 u	0.02	
Butyr/Isobutyraldehyde	0.97	1.05	1.28	1.20	0.80	
Benzaldehyde	0.57	0.54	0.51	0.50	0.50	
Isovaleraldehyde	ND	ND	ND	ND	0.08	
Valeraldehyde	0.34	0.38	0.41	0.41	0.25	
Tolualdehydes	0.29	0.29	ND	ND	0.27	
Hexaldehyde	0.96	0.93	1.14	1.10	0.64	
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	

u - Concentration below detection limit

* - See last page for explanation.

** - See last page for explanation.

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

St. Louis, Missouri (SLMO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30099	30091	%31049	31051	31234	31391
SAMPLE DATE	9/29/2002	10/5/2002	12/4/2002	12/10/2002	12/16/2002	12/22/2002
ANALYSIS DATE	VOID	10/25/2002	1/20/2003	1/20/2003	1/22/2003	2/3/2003
FILE NAME	VOID	V2JX026	V3AT010	V3AT008	V3AU027	V3BB023
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde		*64.17	3.44	6.51	5.26	3.23
Acetaldehyde		6.98	2.47	4.28	2.09	2.17
Acetone		7.18	3.25	6.78	3.63	2.41
Propionaldehyde		0.30	0.23	0.39	0.25	0.18
Crotonaldehyde		0.05	0.02 u	0.04 u	0.03 u	0.02 u
Butyr/Isobutyraldehyde		1.07	0.51	0.93	0.67	0.37
Benzaldehyde		2.15	0.18	0.43	0.16	0.15
Isovaleraldehyde		0.20	0.03	0.08	0.04	0.01
Valeraldehyde		1.06	0.11	0.17	0.10	0.07
Tolualdehydes		0.93	0.07	0.24	0.15	0.13
Hexaldehyde		2.92	0.08	0.18	0.14	0.12
2,5-Dimethylbenzaldehyde		ND	ND	0.04	0.02	ND

u - Concentration below detection limit

* - See last page for explanation.

** - See last page for explanation.

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

St. Louis, Missouri (SLMO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	31388
SAMPLE DATE	12/28/2002
ANALYSIS DATE	2/3/2003
FILE NAME	V3BC013
UNITS	ug/m3
Formaldehyde	4.45
Acetaldehyde	2.40
Acetone	3.87
Propionaldehyde	0.28
Crotonaldehyde	0.02 u
Butyr/Isobutyraldehyde	0.48
Benzaldehyde	0.18
Isovaleraldehyde	0.03
Valeraldehyde	0.09
Tolualdehydes	0.16
Hexaldehyde	0.17
2,5-Dimethylbenzaldehyde	ND

u - Concentration below detection limit

* - See last page for explanation.

** - See last page for explanation.

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

St. Louis, Missouri (SLMO) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2A#011	Meets	F2CE042	Meets	F2CR025	Meets
FB ID	Criteria	25197	Criteria	25338	Criteria	25620	Criteria
Sample date	per	1/14/2002		1/20/2002		2/1/2002	
Date Analyzed	QAPP	1/29/2002	(Y/N)	3/5/2002	(Y/N)	3/20/2002	(Y/N)
Formaldehyde	<0.3	0.06	Y	0.05	Y	0.05	Y
Acetaldehyde	<0.4	0.04	Y	0.03	Y	0.06	Y
Acetone	<0.75	0.23	Y	0.20	Y	0.19	Y
Propionaldehyde		ND		ND		ND	
Crotonaldehyde		ND		0.13		ND	
Butyraldehyde		ND		0.01		0.10	
Benzaldehyde		ND		ND		0.02	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		ND		0.03		0.01	
Tolualdehydes		0.00		0.02		0.04	
Hexaldehyde		0.03		ND		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.036	Y	0.194	Y	0.182	Y

St. Louis, Missouri (SLMO) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2DD007	Meets	F2DS028	Meets	F2DV047	Meets
FB ID	Criteria	25983	Criteria	26341	Criteria	26391	Criteria
Sample date	per	2/19/2002		3/9/2002		3/15/2002	
Date Analyzed	QAPP	4/3/2002	(Y/N)	4/20/2002	(Y/N)	4/24/2002	(Y/N)
Formaldehyde	<0.3	0.04	Y	0.03	Y	0.05	Y
Acetaldehyde	<0.4	0.05	Y	0.09	Y	0.05	Y
Acetone	<0.75	0.23	Y	0.22	Y	0.22	Y
Propionaldehyde		ND		ND		0.01	
Crotonaldehyde		0.07		ND		0.32	
Butyraldehyde		0.02		0.09		0.01	
Benzaldehyde		ND		0.02		ND	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.10		ND		0.03	
Tolualdehydes		0.02		0.04		0.02	
Hexaldehyde		ND		0.02		ND	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.204	Y	0.172	Y	0.389	Y

St. Louis, Missouri (SLMO) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2ES023	Meets	F2EU020	Meets	F2E#034	Meets
FB ID	Criteria	26990 FB	Criteria	27090 FB	Criteria	27485 FB	Criteria
Sample date	per	4/14/2002		4/20/2002		5/8/2002	
Date Analyzed	QAPP	5/20/2002	(Y/N)	5/21/2002	(Y/N)	5/30/2002	(Y/N)
Formaldehyde	<0.3	0.04	Y	0.05	Y	0.03	Y
Acetaldehyde	<0.4	0.06	Y	0.10	Y	0.09	Y
Acetone	<0.75	0.20	Y	0.19	Y	0.17	Y
Propionaldehyde		0.01		0.01		0.01	
Crotonaldehyde		ND		0.19		ND	
Butyraldehyde		0.21		0.02		0.25	
Benzaldehyde		0.03		ND		0.02	
Isovaleraldehyde		ND		0.01		ND	
Valeraldehyde		0.01		0.04		0.01	
Tolualdehydes		0.05		0.05		0.05	
Hexaldehyde		0.03		ND		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.340	Y	0.321	Y	0.359	Y

St. Louis, Missouri (SLMO) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2FL012	Meets	F2GK038	Meets	F2GP015	Meets
FB ID	Criteria	27900 FB	Criteria	28054 FB	Criteria	28249 FB	Criteria
Sample date	per	5/26/2002		6/13/2002		6/19/2002	
Date Analyzed	QAPP	6/12/2002	(Y/N)	7/12/2002	(Y/N)	7/16/2002	(Y/N)
Formaldehyde	<0.3	0.05	Y	0.05	Y	0.03	Y
Acetaldehyde	<0.4	0.10	Y	0.09	Y	0.07	Y
Acetone	<0.75	0.19	Y	0.17	Y	0.18	Y
Propionaldehyde		0.02		0.01		0.01	
Crotonaldehyde		0.25		ND		0.02	
Butyraldehyde		0.02		0.02		0.03	
Benzaldehyde		ND		0.03		ND	
Isovaleraldehyde		0.01		ND		0.01	
Valeraldehyde		0.04		0.01		0.04	
Tolualdehydes		0.03		0.04		0.02	
Hexaldehyde		ND		0.02		ND	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.366	Y	0.120	Y	0.125	Y

St. Louis, Missouri (SLMO) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V2GQ032	Meets	F2IE007	Meets	VOID	Meets
FB ID	Criteria	28645 FB	Criteria	29032 FB	Criteria	29535	Criteria
Sample date	per	7/7/2002		7/25/2002		8/12/2002	
Date Analyzed	QAPP	7/18/2002	(Y/N)	9/5/2002	(Y/N)	VOID	(Y/N)
Formaldehyde	<0.3	0.06	Y	0.09	Y		Y
Acetaldehyde	<0.4	0.14	Y	0.18	Y		Y
Acetone	<0.75	0.16	Y	0.20	Y		Y
Propionaldehyde		0.01		0.01			
Crotonaldehyde		ND		0.06			
Butyraldehyde		0.02		0.02			
Benzaldehyde		0.05		ND			
Isovaleraldehyde		ND		0.01			
Valeraldehyde		0.01		0.09			
Tolualdehydes		0.05		0.02			
Hexaldehyde		0.02		ND			
2,5-Dimethylbenzaldehyde		ND		ND			
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.153	Y	0.210	Y	0.000	Y

St. Louis, Missouri (SLMO) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	VOID	Meets	F2IX023	Meets	V2JN032	Meets
FB ID	Criteria	29572	Criteria	29713 FB	Criteria	29985 FB	Criteria
Sample date	per	8/30/2002		9/5/2002		9/23/2002	
Date Analyzed	QAPP	VOID	(Y/N)	9/25/2002	(Y/N)	10/15/2002	(Y/N)
Formaldehyde	<0.3		Y	0.08	Y	0.04	Y
Acetaldehyde	<0.4		Y	0.06	Y	0.04	Y
Acetone	<0.75		Y	0.20	Y	0.13	Y
Propionaldehyde				ND		0.01	
Crotonaldehyde				ND		0.22	
Butyraldehyde				0.33		0.01	
Benzaldehyde				0.01		ND	
Isovaleraldehyde				ND		0.01	
Valeraldehyde				0.01		0.03	
Tolualdehydes				0.12		0.02	
Hexaldehyde				0.02		ND	
2,5-Dimethylbenzaldehyde				ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.000	Y	0.484	Y	0.291	Y

St. Louis, Missouri (SLMO) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	V3BC014 31387 FB 12/28/2002 2/3/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.04	Y
Acetaldehyde	<0.4	0.08	Y
Acetone	<0.75	0.22	Y
Propionaldehyde		0.01	
Crotonaldehyde		ND	
Butyraldehyde		0.10	
Benzaldehyde		0.01	
Isovaleraldehyde		ND	
Valeraldehyde		0.01	
Tolualdehydes		0.03	
Hexaldehyde		0.02	
2,5-Dimethylbenzaldehyde		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.180	Y

St. Louis, Missouri (SLMO) 2002 UATMP Carbonyl Annual Data Report

u - Concentration below detection limit

* - Compound diluted 2X

** - Compound diluted 5X

- Compound needed 2X dilution but due to instrument reruns not enough sample remained for dilution.

? - Sample diluted 10X due to moisture content in tube.

% - Sample extracted out of hold time because sample was placed in mislabeled bag.

Denver, Colorado (Site 3 - SWCO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	28643	28758	28883	28929	29065	29104
SAMPLE DATE	7/7/2002	7/13/2002	7/19/2002	7/25/2002	7/31/2002	8/6/2002
ANALYSIS DATE	7/18/2002	VOID	8/6/2002	8/7/2002	9/6/2002	9/10/2002
FILE NAME	V2GQ043	VOID	F2HF009	F2HF014	F2IE024	F2II025
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	4.79		7.66	5.99	7.31	5.89
Acetaldehyde	2.02		3.08	2.43	2.42	2.03
Acetone	0.93		2.31	1.34	3.52	1.06
Propionaldehyde	0.27		0.29	0.04	0.25	0.26
Crotonaldehyde	0.01	u	0.02	0.02	0.01	0.04
Butyr/Isobutyraldehyde	0.15		0.25	0.19	0.24	0.19
Benzaldehyde	0.06		0.07	0.06	0.06	0.07
Isovaleraldehyde	0.01		ND	ND	ND	ND
Valeraldehyde	0.05		0.07	0.08	0.07	0.06
Tolualdehydes	0.07		0.09	0.08	0.09	0.08
Hexaldehyde	0.06		0.08	0.07	0.07	0.06
2,5-Dimethylbenzaldehyde	ND		ND	ND	0.05	ND

u - Concentration below detection limit

** - See last page for explanation.

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

Denver, Colorado (Site 3 - SWCO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	29274	29334	29514	29579	29697	29808 D1
SAMPLE DATE	8/12/2002	8/18/2002	8/24/2002	8/30/2002	9/5/2002	9/11/2002
ANALYSIS DATE	9/5/2002	9/12/2002	9/16/2002	9/18/2002	9/18/2002	10/3/2002
FILE NAME	V2ID049	F2IK025	F2IP014	V2IR010	F2IR005	F2JB022
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.31	4.76	4.90	4.57	5.18	3.45
Acetaldehyde	1.33	2.80	2.22	1.70	2.04	1.65
Acetone	1.54	2.86	1.34	2.04	2.83	0.95
Propionaldehyde	0.14	0.31	0.21	0.15	0.20	0.13
Crotonaldehyde	0.01 u	0.02	0.01 u	0.02	0.01 u	0.02
Butyr/Isobutyraldehyde	0.18	0.27	0.20	0.21	0.23	0.27
Benzaldehyde	0.03	0.06	0.05	0.06	0.06	0.04
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.07	0.05	0.05	0.04	0.03
Tolualdehydes	0.05	0.07	0.06	0.06	0.08	0.05
Hexaldehyde	0.03	0.07	0.04	0.04	0.04	0.03
2,5-Dimethylbenzaldehyde	ND	0.01	0.004	ND	0.01	ND

u - Concentration below detection limit

** - See last page for explanation.

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

Denver, Colorado (Site 3 - SWCO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	29808 R1	29810 D2	29810 R2	29927	29998	30066
SAMPLE DATE	9/11/2002	9/11/2002	9/11/2002	9/17/2002	9/23/2002	9/29/2002
ANALYSIS DATE	10/3/2002	10/3/2002	10/3/2002	10/4/2002	10/15/2002	10/24/2002
FILE NAME	F2JB023	F2JB024	F2JB025	F2JB058	V2JN040	V2JW023
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.46	3.44	3.43	4.97	4.44	3.79
Acetaldehyde	1.66	1.66	1.66	2.03	1.66	1.59
Acetone	0.96	0.85	0.81	2.29	2.68	1.76
Propionaldehyde	0.13	0.13	0.12	0.15	0.14	0.12
Crotonaldehyde	0.02	0.02	0.01	0.02	0.02	0.02
Butyr/Isobutyraldehyde	0.27	0.27	0.27	0.25	0.22	0.17
Benzaldehyde	0.05	0.05	0.05	0.05	0.06	0.06
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.06	0.02	0.04	0.04	0.05
Tolualdehydes	0.05	0.05	0.04	0.06	0.07	0.06
Hexaldehyde	0.03	0.02	0.02	0.06	0.03	0.07
2,5-Dimethylbenzaldehyde	ND	ND	ND	0.01	ND	ND

u - Concentration below detection limit

** - See last page for explanation.

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

Denver, Colorado (Site 3 - SWCO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30097	30209	30253	30338 D1	30338 R1	30340 D2
SAMPLE DATE	10/5/2002	10/11/2002	10/17/2002	10/23/2002	10/23/2002	10/23/2002
ANALYSIS DATE	10/25/2002	11/5/2002	11/22/2002	12/3/2002	12/3/2002	12/3/2002
FILE NAME	V2JX024	V2KD019	V2KV005	V2LB023	V2LB024	V2LB021
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.89	4.71	4.85	1.55	1.55	1.35
Acetaldehyde	1.54	1.58	2.51	1.10	1.09	0.99
Acetone	2.03	2.47	3.44	1.47	1.46	1.33
Propionaldehyde	0.10	0.12	0.22	0.07	0.07	0.06
Crotonaldehyde	0.04	0.02	0.02	0.01 u	0.01	0.01 u
Butyr/Isobutyraldehyde	0.14	0.17	0.21	0.10	0.10	0.10
Benzaldehyde	0.14	0.05	0.10	0.03	0.03	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.04	0.07	0.02	0.02	0.02
Tolualdehydes	0.11	0.05	0.06	0.03	0.03	0.03
Hexaldehyde	0.07	0.03	0.06	0.05	0.04	0.06
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit

** - See last page for explanation.

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

Denver, Colorado (Site 3 - SWCO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30340 R2	30462	30508	30588	30730	30816
SAMPLE DATE	10/23/2002	10/29/2002	11/4/2002	11/10/2002	11/16/2002	11/22/2002
ANALYSIS DATE	12/3/2002	12/13/2002	12/18/2002	12/20/2002	12/24/2002	12/31/2002
FILE NAME	V2LB022	#V2LL026	#V2LQ020	#V2LT012	#V2LW040	#V2L\$011
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.38	1.24	4.15	2.26	2.99	2.73
Acetaldehyde	1.00	0.78	2.74	0.97	1.07	1.17
Acetone	1.33	1.29	3.21	0.99	1.49	1.61
Propionaldehyde	0.06	0.07	0.17	0.06	0.11	0.09
Crotonaldehyde	0.01 u	0.01 u	0.04	0.010 u	0.02	0.02
Butyr/Isobutyraldehyde	0.09	0.09	0.20	0.09	0.12	0.14
Benzaldehyde	0.03	0.02	0.08	0.02	0.04	0.05
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.02	0.07	0.02	0.03	0.04
Tolualdehydes	0.03	0.02	0.07	0.03	0.04	0.05
Hexaldehyde	0.04	0.02	0.04	0.02	0.04	0.04
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit

** - See last page for explanation.

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

Denver, Colorado (Site 3 - SWCO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30912	30958	31034	**31139	31296	31372
SAMPLE DATE	11/28/2002	12/4/2002	12/10/2002	12/16/2002	12/22/2002	12/28/2002
ANALYSIS DATE	1/9/2003	1/10/2003	1/4/2003	1/3/2003	1/21/2003	1/31/2003
FILE NAME	?V3AH019	V3AH053	V3AB052	V3AB039	V3AU018	V3A\$028
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.29	2.32	3.13	4.15	2.51	3.34
Acetaldehyde	1.40	1.39	1.58	2.54	1.34	1.69
Acetone	1.59	2.42	2.21	3.28	1.33	1.92
Propionaldehyde	0.11	0.10	0.12	0.21	0.10	0.13
Crotonaldehyde	0.02	0.02	0.03	0.05	0.02	0.03
Butyr/Isobutyraldehyde	0.13	0.15	0.19	0.28	0.13	0.16
Benzaldehyde	0.06	0.05	0.07	0.23	0.06	0.06
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.04	0.03	0.05	0.08	0.04	0.05
Tolualdehydes	0.06	0.04	0.06	0.09	0.03	0.06
Hexaldehyde	0.05	0.05	0.05	0.08	0.04	0.06
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit

** - See last page for explanation.

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

Denver, Colorado (SWCO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	28643	28758	28883	28929	29065	29104
SAMPLE DATE	7/7/2002	7/13/2002	7/19/2002	7/25/2002	7/31/2002	8/6/2002
ANALYSIS DATE	7/18/2002	VOID	8/6/2002	8/7/2002	9/6/2002	9/10/2002
FILE NAME	V2GQ043	VOID	F2HF009	F2HF014	F2IE024	F2II025
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	5.90		9.447	7.38	9.02	7.27
Acetaldehyde	3.64		5.56	4.39	4.38	3.67
Acetone	2.22		5.51	3.19	8.39	2.52
Propionaldehyde	0.63		0.69	0.09	0.58	0.61
Crotonaldehyde	0.03	u	0.05	0.05	0.04	0.10
Butyr/Isobutyraldehyde	0.43		0.75	0.57	0.70	0.55
Benzaldehyde	0.25		0.31	0.25	0.27	0.29
Isovaleraldehyde	0.05		ND	ND	ND	ND
Valeraldehyde	0.19		0.26	0.29	0.26	0.20
Tolualdehydes	0.34		0.43	0.37	0.42	0.38
Hexaldehyde	0.25		0.33	0.28	0.27	0.23
2,5-Dimethylbenzaldehyde	ND		ND	ND	0.27	ND

u - Concentration below detection limit

** - See last page for explanation.

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

Denver, Colorado (SWCO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	29274	29334	29514	29579	29697	29808 D1
SAMPLE DATE	8/12/2002	8/18/2002	8/24/2002	8/30/2002	9/5/2002	9/11/2002
ANALYSIS DATE	9/5/2002	9/12/2002	9/16/2002	9/18/2002	9/18/2002	10/3/2002
FILE NAME	V2ID049	F2IK025	F2IP014	V2IR010	F2IR005	F2JB022
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	4.09	5.87	6.04	5.64	6.38	4.25
Acetaldehyde	2.41	5.05	4.00	3.06	3.69	2.99
Acetone	3.66	6.81	3.20	4.84	6.73	2.26
Propionaldehyde	0.33	0.73	0.50	0.35	0.48	0.31
Crotonaldehyde	0.02 u	0.07	0.03 u	0.05	0.03 u	0.04
Butyr/Isobutyraldehyde	0.53	0.79	0.60	0.61	0.69	0.81
Benzaldehyde	0.14	0.24	0.23	0.24	0.26	0.18
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.10	0.23	0.17	0.16	0.13	0.12
Tolualdehydes	0.24	0.35	0.28	0.29	0.40	0.25
Hexaldehyde	0.14	0.27	0.16	0.15	0.18	0.11
2,5-Dimethylbenzaldehyde	ND	0.07	0.02	ND	0.07	ND

u - Concentration below detection limit

** - See last page for explanation.

- See last page for explanation.

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% - See last page for explanation.

Denver, Colorado (SWCO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	29808 R1	29810 D2	29810 R2	29927	29998	30066
SAMPLE DATE	9/11/2002	9/11/2002	9/11/2002	9/17/2002	9/23/2002	9/29/2002
ANALYSIS DATE	10/3/2002	10/3/2002	10/3/2002	10/4/2002	10/15/2002	10/24/2002
FILE NAME	F2JB023	F2JB024	F2JB025	F2JB058	V2JN040	V2JW023
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	4.27	4.24	4.23	6.125	5.48	4.68
Acetaldehyde	2.99	2.99	2.99	3.67	3.00	2.87
Acetone	2.28	2.02	1.93	5.46	6.37	4.18
Propionaldehyde	0.31	0.31	0.28	0.35	0.33	0.29
Crotonaldehyde	0.05	0.05	0.04	0.05	0.06	0.05
Butyr/Isobutyraldehyde	0.81	0.81	0.79	0.73	0.64	0.51
Benzaldehyde	0.21	0.20	0.21	0.22	0.24	0.25
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.12	0.20	0.08	0.14	0.14	0.16
Tolualdehydes	0.24	0.24	0.20	0.29	0.33	0.30
Hexaldehyde	0.11	0.09	0.09	0.23	0.14	0.27
2,5-Dimethylbenzaldehyde	ND	ND	ND	0.04	ND	ND

u - Concentration below detection limit

** - See last page for explanation.

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

Denver, Colorado (SWCO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30097	30209	30253	30338 D1	30338 R1	30340 D2
SAMPLE DATE	10/5/2002	10/11/2002	10/17/2002	10/23/2002	10/23/2002	10/23/2002
ANALYSIS DATE	10/25/2002	11/5/2002	11/22/2002	12/3/2002	12/3/2002	12/3/2002
FILE NAME	V2JX024	V2KD019	V2KV005	V2LB023	V2LB024	V2LB021
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	4.80	5.80	5.98	1.91	1.91	1.66
Acetaldehyde	2.78	2.85	4.54	1.98	1.98	1.79
Acetone	4.82	5.89	8.18	3.49	3.47	3.16
Propionaldehyde	0.23	0.28	0.53	0.16	0.16	0.14
Crotonaldehyde	0.10	0.05	0.06	0.03	0.04	0.03
Butyr/Isobutyraldehyde	0.41	0.49	0.62	0.28	0.29	0.30
Benzaldehyde	0.62	0.22	0.42	0.13	0.14	0.11
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.10	0.13	0.26	0.07	0.07	0.06
Tolualdehydes	0.54	0.23	0.31	0.17	0.14	0.13
Hexaldehyde	0.29	0.12	0.24	0.19	0.17	0.24
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit

** - See last page for explanation.

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

Denver, Colorado (SWCO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30340 R2	30462	30508	30588	30730	30816
SAMPLE DATE	10/23/2002	10/29/2002	11/4/2002	11/10/2002	11/16/2002	11/22/2002
ANALYSIS DATE	12/3/2002	12/13/2002	12/18/2002	12/20/2002	12/24/2002	12/31/2002
FILE NAME	V2LB022	#V2LL026	#V2LQ020	#V2LT012	#V2LW040	#V2LS011
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	1.70	1.53	5.12	2.78	3.686	3.37
Acetaldehyde	1.80	1.41	4.95	1.75	1.92	2.11
Acetone	3.17	3.06	7.65	2.35	3.55	3.83
Propionaldehyde	0.15	0.17	0.41	0.14	0.27	0.21
Crotonaldehyde	0.03 u	0.02 u	0.12	0.03 u	0.05	0.06
Butyr/Isobutyraldehyde	0.28	0.27	0.58	0.28	0.35	0.41
Benzaldehyde	0.13	0.08	0.35	0.08	0.19	0.21
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.07	0.06	0.23	0.05	0.10	0.12
Tolualdehydes	0.13	0.09	0.34	0.15	0.21	0.23
Hexaldehyde	0.17	0.07	0.18	0.09	0.16	0.17
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit

** - See last page for explanation.

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

Denver, Colorado (SWCO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30912	30958	31034	**31139	31296	31372
SAMPLE DATE	11/28/2002	12/4/2002	12/10/2002	12/16/2002	12/22/2002	12/22/2002
ANALYSIS DATE	1/9/2003	1/10/2003	1/4/2003	1/3/2003	1/21/2003	1/31/2003
FILE NAME	?V3AH019	V3AH053	V3AB052	V3AB039	V3AU018	V3A\$028
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	4.06	2.86	3.86	5.11	3.09	4.12
Acetaldehyde	2.53	2.52	2.85	4.59	2.42	3.06
Acetone	3.80	5.77	5.27	7.82	3.17	4.58
Propionaldehyde	0.25	0.24	0.28	0.50	0.23	0.32
Crotonaldehyde	0.06	0.06	0.08	0.14	0.05	0.07
Butyr/Isobutyraldehyde	0.40	0.44	0.56	0.84	0.38	0.46
Benzaldehyde	0.28	0.23	0.31	1.01	0.24	0.28
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.14	0.11	0.19	0.29	0.12	0.17
Tolualdehydes	0.30	0.22	0.27	0.42	0.16	0.30
Hexaldehyde	0.22	0.20	0.21	0.33	0.18	0.26
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit

** - See last page for explanation.

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

Denver, Colorado (SWCO) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V2GQ042	Meets	F2HF013	Meets	V2ID048	Meets
FB ID	Criteria	28642 FB	Criteria	28928 FB	Criteria	29273 FB	Criteria
Sample date	per	7/10/2002		7/25/2002		8/12/2002	
Date Analyzed	QAPP	7/18/2002	(Y/N)	8/7/2002	(Y/N)	9/5/2002	(Y/N)
Formaldehyde	<0.3	0.05	Y	0.03	Y	0.05	Y
Acetaldehyde	<0.4	0.13	Y	0.11	Y	0.09	Y
Acetone	<0.75	0.15	Y	0.29	Y	0.14	Y
Propionaldehyde		0.01		0.01		0.01	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.02		0.02		0.15	
Benzaldehyde		0.02		0.02		0.01	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.01	
Tolualdehydes		0.04		0.01		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	0.125	Y	0.087	Y	0.207	Y

Denver, Colorado (SWCO) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V2IR009	Meets	V2JN039	Meets	V2KD020	Meets
FB ID	Criteria	29578 FB	Criteria	29997 FB	Criteria	30208 FB	Criteria
Sample date	per	8/30/2002		9/23/2002		10/11/2002	
Date Analyzed	QAPP	9/18/2002	(Y/N)	10/15/2002	(Y/N)	11/5/2002	(Y/N)
Formaldehyde	<0.3	0.03	Y	0.03	Y	0.12	Y
Acetaldehyde	<0.4	0.06	Y	0.08	Y	0.15	Y
Acetone	<0.75	0.22	Y	0.15	Y	0.21	Y
Propionaldehyde		0.01		0.01		0.01	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.18		0.21		0.12	
Benzaldehyde		ND		0.01		0.03	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.01		0.00		0.01	
Tolualdehydes		0.01		0.04		0.03	
Hexaldehyde		0.01		0.04		0.04	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.221	Y	0.304	Y	0.243	Y

Denver, Colorado (SWCO) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	#V2LL025	Meets	#V2LQ019	Meets	#V2L\$012	Meets
FB ID	Criteria	30461 FB	Criteria	30507 FB	Criteria	30815 FB	Criteria
Sample date	per	10/29/2002		11/4/2002		11/22/2002	
Date Analyzed	QAPP	12/13/2002	(Y/N)	12/18/2002	(Y/N)	12/31/2002	(Y/N)
Formaldehyde	<0.3	0.11	Y	0.20	Y	0.04	Y
Acetaldehyde	<0.4	0.12	Y	0.07	Y	0.07	Y
Acetone	<0.75	0.27	Y	0.23	Y	0.22	Y
Propionaldehyde		0.02		ND		0.01	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.07		0.02		0.13	
Benzaldehyde		0.03		0.01		0.03	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.01	
Tolualdehydes		0.03		0.04		0.03	
Hexaldehyde		0.04		0.02		0.03	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.201	Y	0.104	Y	0.231	Y

Denver, Colorado (SWCO) 2002 UATMP Carbonyl Annual Data Report

u - Concentration below detection limit

** - Sample collected with DNPH cartridge installed upside down.

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

% - Sample extracted out of hold time due to power outage.

Detroit, Michigan (South West HS - SWMI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	27337	27495	27775	27934	28211	28521
SAMPLE DATE	5/2/2002	5/14/2002	5/26/2002	6/7/2002	6/19/2002	7/1/2002
ANALYSIS DATE	5/29/2002	5/30/2002	6/17/2002	7/9/2002	7/16/2002	7/11/2002
FILE NAME	F2E#011	F2E#037	F2FQ010	V2GI008	F2GP007	V2GK005
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.35	3.32	2.15	5.18	3.67	5.27
Acetaldehyde	0.83	1.01	0.95	2.16	1.35	1.84
Acetone	1.31	1.93	1.49	1.26	1.13	0.40
Propionaldehyde	0.16	0.19	0.19	0.30	0.30	0.39
Crotonaldehyde	0.01 u	0.01 u	0.01 u	0.17	0.05	0.03
Butyr/Isobutyraldehyde	0.20	0.21	0.28	0.24	0.19	0.19
Benzaldehyde	0.03	0.03	0.03	0.08	0.05	0.06
Isovaleraldehyde	ND	ND	ND	0.01	0.01	ND
Valeraldehyde	0.07	0.09	0.12	0.16	0.15	0.14
Tolualdehydes	0.02	0.02	0.02	0.06	0.04	0.05
Hexaldehyde	0.04	0.05	0.05	0.12	0.08	0.07
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

Detroit, Michigan (South West HS - SWMI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	28940	29116	29607	29779	30002	30116
SAMPLE DATE	7/25/2002	8/6/2002	8/30/2002	9/11/2002	9/23/2002	10/5/2002
ANALYSIS DATE	8/7/2002	9/10/2002	9/17/2002	9/25/2002	10/16/2002	10/24/2002
FILE NAME	F2HF019	F2II034	F2IP041	F2IX035	V2JP009	V2JX015
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.81	2.72	5.70	3.40	3.19	3.38
Acetaldehyde	1.07	0.75	1.83	0.83	1.19	0.92
Acetone	1.17	0.88	0.73	1.19	1.35	1.26
Propionaldehyde	0.15	0.10	0.30	0.06	0.13	0.10
Crotonaldehyde	0.01 u	0.01 u	0.02	0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde	0.19	0.22	0.36	0.40	0.27	0.18
Benzaldehyde	0.05	0.08	0.09	0.04	0.04	0.05
Isovaleraldehyde	ND	0.01	0.02	ND	0.01	ND
Valeraldehyde	0.11	0.06	0.16	0.06	0.06	0.05
Tolualdehydes	0.04	0.06	0.05	0.02	0.04	0.04
Hexaldehyde	0.07	0.05	0.16	0.06	0.06	0.07
2,5-Dimethylbenzaldehyde	ND	0.004	0.011	ND	ND	0.005

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

Detroit, Michigan (South West HS - SWMI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30299	#30440	#30632	#30852	30946	31247
SAMPLE DATE	10/17/2002	10/29/2002	11/10/2002	11/22/2002	12/4/2002	12/16/2002
ANALYSIS DATE	11/23/2002	12/13/2002	12/21/2002	12/31/2002	1/14/2003	1/21/2003
FILE NAME	V2KV012	V2LL030	V2LT019	V2LS025	V3AM019	V3AT023
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.04	1.94	1.69	1.42	3.37	1.78
Acetaldehyde	0.95	0.69	0.89	0.46	1.74	0.57
Acetone	1.60	1.13	0.56	0.90	1.85	0.93
Propionaldehyde	0.09	0.09	0.14	0.04	0.15	0.06
Crotonaldehyde	0.01	0.004 u	0.01 u	0.01 u	0.02	0.01 u
Butyr/Isobutyraldehyde	0.14	0.17	0.15	0.12	0.24	0.13
Benzaldehyde	0.04	0.03	0.03	0.04	0.07	0.03
Isovaleraldehyde	0.01	ND	ND	ND	ND	ND
Valeraldehyde	0.05	0.08	0.03	0.02	0.05	0.02
Tolualdehydes	0.03	0.02	0.01	0.02	0.03	0.02
Hexaldehyde	0.11	0.04	0.05	0.04	0.05	0.04
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

Detroit, Michigan (South West HS - SWMI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	31417
SAMPLE DATE	12/28/2002
ANALYSIS DATE	2/6/2003
FILE NAME	V3BE015
UNITS	ppbv
Formaldehyde	1.40
Acetaldehyde	0.93
Acetone	1.39
Propionaldehyde	0.10
Crotonaldehyde	0.01 u
Butyr/Isobutyraldehyde	0.13
Benzaldehyde	0.03
Isovaleraldehyde	ND
Valeraldehyde	0.03
Tolualdehydes	0.02
Hexaldehyde	0.05
2,5-Dimethylbenzaldehyde	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

Detroit (Southwest High School), Michigan (SWMI) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2DD048	Meets
FB ID	Criteria	26001 FB	Criteria
Sample date	per	2/25/2002	
Date Analyzed	QAPP	4/4/2002	(Y/N)
Formaldehyde	<0.3	0.079	Y
Acetaldehyde	<0.4	0.085	Y
Acetone	<0.75	0.191	Y
Propionaldehyde		0.009	
Crotonaldehyde		ND	
Butyraldehyde		0.049	
Benzaldehyde		0.020	
Isovaleraldehyde		ND	
Valeraldehyde		0.009	
Tolualdehydes		0.023	
Hexaldehyde		0.030	
2,5-Dimethylbenzaldehyde		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.138	Y

Tupelo, Mississippi (TUMS) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	25068	25266	25585	25806	25978 D1	25978 R1
SAMPLE DATE	1/8/2002	1/20/2002	2/1/2002	2/13/2002	2/25/2002	2/25/2002
ANALYSIS DATE	1/25/2002	3/5/2002	3/19/2002	3/22/2002	4/3/2002	4/3/2002
FILE NAME	F2AY013	F2CE019	F2CR013	F2CT022	F2DD018	F2DD019
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.26	1.54	1.25	1.51	2.60	2.61
Acetaldehyde	0.97	0.57	0.64	0.60	0.82	0.82
Acetone	1.17	0.74	0.90	1.62	0.80	0.81
Propionaldehyde	0.06	0.02	0.04	0.05	0.04	0.04
Crotonaldehyde	0.005 u	ND	0.005 u	0.01 u	0.005 u	0.01 u
Butyr/Isobutyraldehyde	0.08	0.11	0.06	0.06	0.05	0.05
Benzaldehyde	0.02	0.02	0.02	0.02	0.02	0.02
Isovaleraldehyde	ND	ND	ND	0.001 u	ND	ND
Valeraldehyde	0.01	0.004	0.01	0.01	0.01	0.01
Tolualdehydes	0.02	0.01	0.02	0.01	0.01	0.01
Hexaldehyde	0.02	0.02	0.01	0.02	0.01	0.01
2,5-Dimethylbenzaldehyde	ND	0.002 u	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, cartridge came to room temperature due to power outage.

Tupelo, Mississippi (TUMS) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	25981 D2	25981 R2	26281	26413	26645	26900
SAMPLE DATE	2/25/2002	2/25/2002	3/9/2002	3/21/2002	4/2/2002	4/14/2002
ANALYSIS DATE	4/3/2002	4/4/2002	4/19/2002	4/26/2002	5/13/2002	5/19/2002
FILE NAME	F2DD021	F2DD022	F2DS019	F2DZ009	F2EM016	F2ES013
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.69	2.68	1.72	1.59	2.58	2.66
Acetaldehyde	0.85	0.85	0.51	0.67	1.16	1.00
Acetone	0.89	0.89	0.57	1.71	0.97	0.61
Propionaldehyde	0.03	0.04	0.03	0.04	0.10	0.07
Crotonaldehyde	0.005 u	0.01 u	0.01 u	ND	0.01 u	ND
Butyr/Isobutyraldehyde	0.06	0.06	0.05	0.18	0.15	0.18
Benzaldehyde	0.02	0.02	0.01	0.01	0.04	0.03
Isovaleraldehyde	ND	ND	ND	ND	ND	0.00 u
Valeraldehyde	0.01	0.01	0.01	0.01	0.02	0.02
Tolualdehydes	0.02	0.01	0.01	0.02	0.03	0.07
Hexaldehyde	0.01	0.01	0.01	0.02	0.03	0.10
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, cartridge came to room temperature due to power outage.

Tupelo, Mississippi (TUMS) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	27276	27455	27679	27848	28007	28375 D1
SAMPLE DATE	4/26/2002	5/8/2002	5/20/2002	6/1/2002	6/13/2002	6/25/2002
ANALYSIS DATE	5/24/2002	6/4/2002	6/8/2002	6/20/2002	7/10/2002	7/31/2002
FILE NAME	F2EW016	F2FC020	F2FG022	F2FT016	V2GJ007	F2G\$043
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.22	4.12	3.36	5.41	4.54	4.82
Acetaldehyde	0.87	0.96	0.73	1.31	1.11	1.01
Acetone	1.22	0.59	1.67	0.78	0.57	0.60
Propionaldehyde	0.06	0.08	0.05	0.08	0.08	0.06
Crotonaldehyde	ND	0.008 u	0.01 u	0.009 u	ND	0.01 u
Butyr/Isobutyraldehyde	0.17	0.23	0.22	0.23	0.06	0.12
Benzaldehyde	0.03	0.15	0.02	0.06	0.04	0.04
Isovaleraldehyde	ND	ND	ND	0.01	ND	ND
Valeraldehyde	0.01	0.04	0.02	0.05	0.03	0.02
Tolualdehydes	0.03	0.04	0.02	0.07	0.04	0.03
Hexaldehyde	0.03	0.03	0.03	0.06	0.04	0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, cartridge came to room temperature due to power outage.

Tupelo, Mississippi (TUMS) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	28375 R1	28377 D2	28377 R2	28590	28862	29053
SAMPLE DATE	6/25/2002	6/25/2002	6/25/2002	7/7/2002	7/19/2002	7/31/2002
ANALYSIS DATE	7/31/2002	7/31/2002	7/31/2002	7/17/2002	VOID	9/6/2002
FILE NAME	F2G\$044	F2G\$045	F2G\$046	V2GP020	VOID	F2IE018
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	4.96	5.00	5.00	8.97		2.79
Acetaldehyde	1.08	1.04	1.04	1.64		0.67
Acetone	0.60	0.60	0.56	0.91		0.60
Propionaldehyde	0.06	0.07	0.06	0.08		0.03
Crotonaldehyde	ND	ND	ND	0.07		0.01
Butyr/Isobutyraldehyde	0.16	0.13	0.13	0.05	u	0.28
Benzaldehyde	0.03	0.04	0.03	0.13		0.08
Isovaleraldehyde	ND	ND	ND	ND		ND
Valeraldehyde	0.02	0.04	0.03	0.03		0.02
Tolualdehydes	0.03	0.03	0.02	0.04		0.04
Hexaldehyde	0.03	0.03	0.04	0.03		0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND		ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, cartridge came to room temperature due to power outage.

Tupelo, Mississippi (TUMS) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	29238	29497	29728	29921	30047	30245
SAMPLE DATE	8/12/2002	8/24/2002	9/5/2002	9/17/2002	9/29/2002	10/11/2002
ANALYSIS DATE	9/5/2002	9/16/2002	9/18/2002	10/4/2002	10/23/2002	11/13/2002
FILE NAME	V2ID037	F2IP007	F2IR008	F2JB056	V2JW011	V2KM015
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	6.38	5.35	7.81	3.08	3.89	1.66
Acetaldehyde	1.66	1.31	1.70	0.93	1.25	0.75
Acetone	0.96	0.50	1.24	0.74	0.72	0.43
Propionaldehyde	0.11	0.07	0.07	0.06	0.07	0.03
Crotonaldehyde	0.004 u	0.02	0.01 u	0.01 u	0.005 u	0.005 u
Butyr/Isobutyraldehyde	0.19	0.16	0.32	0.40	0.19	0.08
Benzaldehyde	0.07	0.11	0.08	0.04	0.04	0.03
Isovaleraldehyde	0.02	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.02	0.03	0.02	0.02	0.01
Tolualdehydes	0.04	0.04	0.06	0.04	0.03	0.01
Hexaldehyde	0.03	0.03	0.02	0.02	0.04	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, cartridge came to room temperature due to power outage.

Tupelo, Mississippi (TUMS) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30364 D1	30364 R1	30366 D2	30366 R2	#30556	#30703
SAMPLE DATE	10/23/2002	10/23/2002	10/23/2002	10/23/2002	11/4/2002	11/16/2002
ANALYSIS DATE	11/27/2002	11/27/2002	11/27/2002	11/27/2002	12/18/2002	12/24/2002
FILE NAME	V2KY072	V2KY073	V2KY074	V2KY075	V2LQ031	V2LW030
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.85	1.86	1.70	1.71	0.77	1.09
Acetaldehyde	0.76	0.75	0.77	0.77	0.42	0.77
Acetone	0.97	0.97	0.79	0.79	1.13	0.73
Propionaldehyde	0.06	0.06	0.07	0.07	0.04	0.04
Crotonaldehyde	0.005 u	0.007 u	0.01 u	0.006 u	0.004 u	ND
Butyr/Isobutyraldehyde	0.11	0.12	0.12	0.12	0.08	0.10
Benzaldehyde	0.04	0.04	0.04	0.05	0.02	0.02
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.02	0.02	0.02	0.01	0.01
Tolualdehydes	0.02	0.03	0.03	0.03	0.04	0.02
Hexaldehyde	0.04	0.02	0.03	0.03	0.01	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, cartridge came to room temperature due to power outage.

Tupelo, Mississippi (TUMS) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	?30901	31064	31290
SAMPLE DATE	11/28/2002	12/10/2002	12/22/2002
ANALYSIS DATE	1/9/2003	1/16/2003	1/21/2003
FILE NAME	V3AH022	V3AP020	V3AU013
UNITS	ppbv	ppbv	ppbv
Formaldehyde	1.94	1.22	1.72
Acetaldehyde	1.05	0.91	0.90
Acetone	1.10	3.85	1.04
Propionaldehyde	0.06	ND	0.04
Crotonaldehyde	0.005 u	0.01 u	ND
Butyr/Isobutyraldehyde	0.09	0.16	0.09
Benzaldehyde	0.03	0.22	0.02
Isovaleraldehyde	ND	ND	ND
Valeraldehyde	0.01	0.02	0.01
Tolualdehydes	0.03	0.01	0.02
Hexaldehyde	0.02	0.02	0.01
2,5-Dimethylbenzaldehyde	ND	ND	ND

u - Concentration is below the detection limit.

- After extraction, sample came to room temperature due to power outage.

? - Prior to extraction, cartridge came to room temperature due to power outage.

Tupelo, Mississippi (TUMS) 2002 UATMP Carbonyl Annual Data Report

(µg/cartridge)

Data File ID	Acceptance	F2CE018	Meets	VOID	Meets	F2DS018	Meets
FB ID	Criteria	25265 FB	Criteria	25584 FB	Criteria	26280 FB	Criteria
Sample date	per	1/20/2002		2/1/2002		3/9/2002	
Date Analyzed	QAPP	3/5/2002	(Y/N)	VOID	(Y/N)	4/19/2002	(Y/N)
Formaldehyde	<0.3	0.024	Y		Y	0.028	Y
Acetaldehyde	<0.4	0.045	Y		Y	0.042	Y
Acetone	<0.75	0.211	Y		Y	0.221	Y
Propionaldehyde		ND				ND	
Crotonaldehyde		ND				0.049	
Butyraldehyde		0.180				0.016	
Benzaldehyde		0.014				ND	
Isovaleraldehyde		ND				0.004	
Valeraldehyde		ND				0.024	
Tolualdehydes		0.034				0.019	
Hexaldehyde		0.026				ND	
2,5-Dimethylbenzaldehyde		ND				ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.254	Y	0.000	Y	0.111	Y

Tupelo, Mississippi (TUMS) 2002 UATMP Carbonyl Annual Data Report

(µg/cartridge)

Data File ID	Acceptance	F2ES012	Meets	F2FC019	Meets	V2GJ006	Meets
FB ID	Criteria	26899 FB	Criteria	27454 FB	Criteria	28006 FB	Criteria
Sample date	per	4/14/2002		5/8/2002		6/13/2002	
Date Analyzed	QAPP	5/19/2002	(Y/N)	6/4/2002	(Y/N)	7/10/2002	(Y/N)
Formaldehyde	<0.3	0.061	Y	0.035	Y	0.053	Y
Acetaldehyde	<0.4	0.119	Y	0.150	Y	0.112	Y
Acetone	<0.75	0.208	Y	0.168	Y	0.155	Y
Propionaldehyde		0.011		0.010		ND	
Crotonaldehyde		ND		ND		0.017	
Butyraldehyde		0.221		0.151		0.019	
Benzaldehyde		0.031		0.015		ND	
Isovaleraldehyde		ND		ND		0.013	
Valeraldehyde		0.011		0.014		0.050	
Tolualdehydes		0.049		0.054		0.018	
Hexaldehyde		0.021		0.034		ND	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.343	Y	0.278	Y	0.117	Y

Tupelo, Mississippi (TUMS) 2002 UATMP Carbonyl Annual Data Report

(µg/cartridge)

Data File ID	Acceptance	V2GP019	Meets	V2ID036	Meets	F2IR009	Meets
FB ID	Criteria	28589 FB	Criteria	29237 FB	Criteria	29727 FB	Criteria
Sample date	per	7/7/2002		8/12/2002		9/5/2002	
Date Analyzed	QAPP	7/17/2002	(Y/N)	9/5/2002	(Y/N)	9/18/2002	(Y/N)
Formaldehyde	<0.3	0.029	Y	0.036	Y	0.059	Y
Acetaldehyde	<0.4	0.063	Y	0.079	Y	0.074	Y
Acetone	<0.75	0.110	Y	0.148	Y	0.248	Y
Propionaldehyde		0.007		0.005		ND	
Crotonaldehyde		0.021		ND		0.508	
Butyraldehyde		0.008		0.144		0.012	
Benzaldehyde		0.025		0.016		ND	
Isovaleraldehyde		ND		ND		0.009	
Valeraldehyde		0.002		0.009		0.035	
Tolualdehydes		0.032		0.032		0.023	
Hexaldehyde		0.030		0.026		ND	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.124	Y	0.231	Y	0.585	Y

Tupelo, Mississippi (TUMS) 2002 UATMP Carbonyl Annual Data Report

(µg/cartridge)

Data File ID	Acceptance	V2KM016	Meets	V2LQ030	Meets	V3AP021	Meets
FB ID	Criteria	30244 FB	Criteria	#30555 FB	Criteria	31063 FB	Criteria
Sample date	per	10/11/2002		11/4/2002		12/10/2002	
Date Analyzed	QAPP	11/13/2002	(Y/N)	12/18/2002	(Y/N)	1/16/2003	(Y/N)
Formaldehyde	<0.3	0.058	Y	0.034	Y	0.040	Y
Acetaldehyde	<0.4	0.168	Y	0.081	Y	0.121	Y
Acetone	<0.75	0.248	Y	0.253	Y	0.266	Y
Propionaldehyde		0.017		0.010		ND	
Crotonaldehyde		ND		ND		0.230	
Butyraldehyde		0.041		0.091		0.024	
Benzaldehyde		0.019		0.020		ND	
Isovaleraldehyde		ND		ND		0.003	
Valeraldehyde		0.011		0.005		0.032	
Tolualdehydes		0.027		0.021		0.032	
Hexaldehyde		0.032		0.024		ND	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.145	Y	0.169	Y	0.319	Y

Denver, Colorado (Site 2 - WECCO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	27426	27514 D1	27514 R1	27516 D2	27516 R2	27639
SAMPLE DATE	5/8/2002	5/14/2002	5/14/2002	5/14/2002	5/14/2002	5/20/2002
ANALYSIS DATE	5/28/2002	6/6/2002	6/6/2002	6/6/2002	6/6/2002	6/7/2002
FILE NAME	F2E!007	F2FF013	F2FF014	F2FF015	F2FF016	F2FG009
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.63	4.18	4.20	4.05	4.06	2.65
Acetaldehyde	1.45	2.20	2.21	2.15	2.15	1.79
Acetone	1.55	3.45	3.46	3.35	3.36	2.46
Propionaldehyde	0.09	0.23	0.23	0.22	0.22	0.18
Crotonaldehyde	0.007 u	0.03	0.02	0.03	0.02	0.01
Butyr/Isobutyraldehyde	0.12	0.34	0.31	0.33	0.31	0.28
Benzaldehyde	0.03	0.08	0.06	0.09	0.06	0.05
Isovaleraldehyde	0.01	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.06	0.06	0.08	0.06	0.04
Tolualdehydes	0.03	0.07	0.07	0.08	0.09	0.04
Hexaldehyde	0.03	0.07	0.06	0.07	0.07	0.03
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

Denver, Colorado (Site 2 - WECCO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	27765	27945	28138.00	28261	28385	28494
SAMPLE DATE	5/26/2002	6/7/2002	6/13/2002	6/19/2002	6/25/2002	7/1/2002
ANALYSIS DATE	6/11/2002	7/9/2002	7/12/2002	7/12/2002	7/30/2002	7/31/2002
FILE NAME	F2FJ018	V2GI012	F2GK026	F2GK028	F2G\$006	F2G\$016
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.06	3.55	3.63	3.83	4.78	6.07
Acetaldehyde	1.32	1.65	1.62	1.93	2.46	3.55
Acetone	2.08	2.22	1.98	1.70	2.03	3.54
Propionaldehyde	0.12	0.14	0.08	0.15	0.21	0.36
Crotonaldehyde	0.01	0.02	0.01	0.04	0.01	0.01
Butyr/Isobutyraldehyde	0.21	0.12	0.06	0.13	0.19	0.33
Benzaldehyde	0.04	0.05	0.02	0.06	0.05	0.08
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.04	0.03	0.01	0.04	0.04	0.06
Tolualdehydes	0.04	0.06	0.05	0.06	0.05	0.08
Hexaldehyde	0.05	0.05	0.03	0.07	0.04	0.10
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit

- See last page for explanation.

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% - See last page for explanation.

Denver, Colorado (Site 2 - WECCO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	28640.00	28774	28885.00	28994	29063	29106
SAMPLE DATE	7/7/2002	7/13/2002	7/19/2002	7/25/2002	7/31/2002	8/6/2002
ANALYSIS DATE	7/18/2002	7/31/2002	8/6/2002	9/5/2002	9/6/2002	9/10/2002
FILE NAME	V2GQ041	F2G\$040	F2HF010	V2ID024	F2IE023	F2II026
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	3.53	5.00	4.64	4.70	5.49	3.44
Acetaldehyde	1.72	2.38	2.75	2.78	3.15	1.82
Acetone	0.94	2.86	2.19	1.49	2.19	1.43
Propionaldehyde	0.10	0.23	0.22	0.19	0.38	0.15
Crotonaldehyde	0.01	0.01	0.04	0.03	0.03	0.02
Butyr/Isobutyraldehyde	0.08	0.24	0.24	0.25	0.34	0.18
Benzaldehyde	0.05	0.06	0.07	0.06	0.08	0.06
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.02	0.04	0.04	0.04	0.09	0.10
Tolualdehydes	0.03	0.03	0.07	0.07	0.09	0.05
Hexaldehyde	0.03	0.04	0.07	0.06	0.11	0.04
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit

- See last page for explanation.

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% - See last page for explanation.

Denver, Colorado (Site 2 - WECCO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	29271	29332	29488	29585.00	29695	29796 D1
SAMPLE DATE	8/12/2002	8/18/2002	8/24/2002	8/30/2002	9/5/2002	9/11/2002
ANALYSIS DATE	VOID	9/12/2002	9/17/2002	9/18/2002	9/24/2002	10/2/2002
FILE NAME	VOID	F2IK024	F2IP031	V2IR014	F2IX015	F2JB012
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde		3.74	4.09	2.95	4.27	2.39
Acetaldehyde		0.72	1.78	1.67	2.06	1.21
Acetone		0.63	1.37	1.78	2.78	1.13
Propionaldehyde		ND	0.06	0.11	0.15	0.14
Crotonaldehyde		ND	0.01	0.02	0.01	0.01
Butyr/Isobutyraldehyde		0.10	0.22	0.17	0.24	0.26
Benzaldehyde		0.12	0.04	0.05	0.05	0.03
Isovaleraldehyde		ND	ND	ND	ND	ND
Valeraldehyde		0.04	0.02	0.03	0.05	0.02
Tolualdehydes		0.16	0.01	0.07	0.06	0.04
Hexaldehyde		0.02	0.01	0.04	0.05	0.02
2,5-Dimethylbenzaldehyde		ND	ND	0.01	ND	ND

u - Concentration below detection limit

- See last page for explanation.

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% - See last page for explanation.

Denver, Colorado (Site 2 - WECCO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	29796 R1	29798 D2	29798 R2	29900.00	29952	30076
SAMPLE DATE	9/11/2002	9/11/2002	9/11/2002	9/17/2002	9/23/2002	9/29/2002
ANALYSIS DATE	10/2/2002	10/2/2002	10/2/2002	VOID	10/15/2002	10/24/2002
FILE NAME	F2JB013	F2JB014	F2JB015	VOID	V2JN020	V2JX010
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	2.39	2.29	2.27		2.99	2.30
Acetaldehyde	1.21	1.14	1.15		1.39	1.36
Acetone	1.12	1.13	1.12		2.30	1.87
Propionaldehyde	0.11	0.11	0.10		0.13	0.11
Crotonaldehyde	0.01	0.01	0.008 u		0.01	0.01
Butyr/Isobutyraldehyde	0.26	0.26	0.26		0.23	0.16
Benzaldehyde	0.03	0.03	0.03		0.04	0.04
Isovaleraldehyde	ND	ND	ND		ND	ND
Valeraldehyde	0.02	0.02	0.02		0.03	0.03
Tolualdehydes	0.05	0.06	0.03		0.04	0.04
Hexaldehyde	0.02	0.02	0.02		0.02	0.05
2,5-Dimethylbenzaldehyde	ND	ND	ND		ND	ND

u - Concentration below detection limit

- See last page for explanation.

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% - See last page for explanation.

Denver, Colorado (Site 2 - WECCO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30317	30203	30292	30344 D1	30344 R1	30346 D2
SAMPLE DATE	10/5/2002	10/11/2002	10/17/2002	10/23/2002	10/23/2002	10/23/2002
ANALYSIS DATE	VOID	VOID	VOID	11/27/2002	11/27/2002	11/27/2002
FILE NAME	VOID	VOID	VOID	V2KY048	V2KY049	V2KY050
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde				0.98	0.98	0.98
Acetaldehyde				0.88	0.89	0.82
Acetone				1.02	1.02	0.96
Propionaldehyde				0.06	0.06	0.05
Crotonaldehyde				0.01 u	0.01 u	0.01 u
Butyr/Isobutyraldehyde				0.07	0.08	0.07
Benzaldehyde				0.02	0.01	0.01
Isovaleraldehyde				ND	ND	ND
Valeraldehyde				0.01	0.01	0.01
Tolualdehydes				0.02	0.02	0.02
Hexaldehyde				0.04	0.04	0.04
2,5-Dimethylbenzaldehyde				ND	ND	ND

u - Concentration below detection limit

- See last page for explanation.

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% - See last page for explanation.

Denver, Colorado (Site 2 - WECCO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30346 R2	30459	30511.00	30616	30771 D1	30771 R1
SAMPLE DATE	10/23/2002	10/29/2002	11/4/2002	11/10/2002	11/16/2002	11/16/2002
ANALYSIS DATE	11/27/2002	12/13/2002	12/18/2002	12/21/2002	12/22/2002	12/22/2002
FILE NAME	V2KY051	#V2LL021	#V2LQ022	#V2LT023	#V2LT068	#V2LT069
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	0.99	0.95	2.47	1.53	2.14	2.13
Acetaldehyde	0.82	0.73	2.09	0.87	1.16	1.16
Acetone	0.96	1.27	2.59	0.82	1.65	1.64
Propionaldehyde	0.06	0.05	0.15	0.04	0.09	0.09
Crotonaldehyde	0.01 u	0.004 u	0.04	0.005 u	0.01	0.02
Butyr/Isobutyraldehyde	0.07	0.06	0.20	0.08	0.16	0.15
Benzaldehyde	0.01	0.02	0.05	0.02	0.04	0.05
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	0.01	0.05	0.01	0.03	0.02
Tolualdehydes	0.02	0.02	0.06	0.02	0.02	0.03
Hexaldehyde	0.03	0.02	0.05	0.02	0.04	0.04
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit

- See last page for explanation.

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Denver, Colorado (Site 2 - WECO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30773 D2	30773 R2	30850	30914	30956	31071.00
SAMPLE DATE	11/16/2002	11/16/2002	11/22/2002	11/28/2002	12/4/2002	12/10/2002
ANALYSIS DATE	12/22/2002	12/22/2002	1/3/2003	1/9/2003	1/10/2003	1/16/2003
FILE NAME	#V2LT070	#V2LT071	?%V3AB027	?V3AH018	V3AH052	V3AP018
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.97	1.96	2.23	2.29	1.07	2.65
Acetaldehyde	1.13	1.13	1.12	1.48	0.94	1.89
Acetone	1.59	1.59	1.87	1.86	1.40	2.89
Propionaldehyde	0.08	0.08	0.10	0.12	0.08	0.14
Crotonaldehyde	0.02	0.02	0.02	0.03	0.01	0.04
Butyr/Isobutyraldehyde	0.14	0.14	0.15	0.17	0.13	0.28
Benzaldehyde	0.04	0.04	0.04	0.06	0.02	0.08
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.03	0.03	0.03	0.04	0.02	0.05
Tolualdehydes	0.04	0.04	0.04	0.05	0.02	0.05
Hexaldehyde	0.05	0.05	0.04	0.06	0.03	0.06
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit

- See last page for explanation.

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Denver, Colorado (Site 2 - WECO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	31137	31298	31406
SAMPLE DATE	12/16/2002	12/22/2002	12/28/2002
ANALYSIS DATE	1/3/2003	1/22/2003	2/3/2003
FILE NAME	V3AB040	V3AU019	V3BC021
UNITS	ppbv	ppbv	ppbv
Formaldehyde	2.37	1.82	2.36
Acetaldehyde	1.87	1.33	1.43
Acetone	2.18	1.41	1.66
Propionaldehyde	0.16	0.12	0.12
Crotonaldehyde	0.03	0.02	0.02
Butyr/Isobutyraldehyde	0.20	0.15	0.14
Benzaldehyde	0.07	0.04	0.05
Isovaleraldehyde	ND	ND	ND
Valeraldehyde	0.05	0.04	0.04
Tolualdehydes	0.06	0.04	0.05
Hexaldehyde	0.07	0.05	0.05
2,5-Dimethylbenzaldehyde	ND	ND	0.00

u - Concentration below detection limit

- See last page for explanation.

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Denver, Colorado (WECO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	27426	27514 D1	27514 R1	27516 D2	27516 R2	27639
SAMPLE DATE	5/8/2002	5/14/2002	5/14/2002	5/14/2002	5/14/2002	5/20/2002
ANALYSIS DATE	5/28/2002	6/6/2002	6/6/2002	6/6/2002	6/6/2002	6/7/2002
FILE NAME	F2E!007	F2FF013	F2FF014	F2FF015	F2FF016	F2FG009
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	3.24	5.16	5.183	4.99	5.01	3.27
Acetaldehyde	2.61	3.97	3.98	3.88	3.88	3.23
Acetone	3.70	8.21	8.23	7.98	7.99	5.86
Propionaldehyde	0.22	0.54	0.55	0.53	0.53	0.44
Crotonaldehyde	0.02 u	0.08	0.07	0.08	0.05	0.03
Butyr/Isobutyraldehyde	0.35	1.00	0.91	0.98	0.91	0.84
Benzaldehyde	0.11	0.33	0.27	0.41	0.27	0.20
Isovaleraldehyde	0.04	ND	ND	ND	ND	ND
Valeraldehyde	0.09	0.22	0.22	0.27	0.21	0.15
Tolualdehydes	0.14	0.32	0.36	0.39	0.43	0.22
Hexaldehyde	0.14	0.27	0.24	0.27	0.29	0.14
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit

- See last page for explanation.

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% - See last page for explanation.

Denver, Colorado (WECO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	27765	27945	28138.00	28261	28385	28494
SAMPLE DATE	5/26/2002	6/7/2002	6/13/2002	6/19/2002	6/25/2002	7/1/2002
ANALYSIS DATE	6/11/2002	7/9/2002	7/12/2002	7/12/2002	7/30/2002	7/31/2002
FILE NAME	F2FJ018	V2GI012	F2GK026	F2GK028	F2G\$006	F2G\$016
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	3.77	4.37	4.48	4.73	5.90	7.48
Acetaldehyde	2.38	2.97	2.93	3.49	4.44	6.41
Acetone	4.96	5.29	4.72	4.05	4.84	8.43
Propionaldehyde	0.30	0.34	0.18	0.35	0.50	0.85
Crotonaldehyde	0.03	0.06	0.04	0.13	0.03	0.04
Butyr/Isobutyraldehyde	0.63	0.35	0.17	0.38	0.55	0.97
Benzaldehyde	0.16	0.23	0.10	0.25	0.23	0.36
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.14	0.10	0.05	0.13	0.12	0.21
Tolualdehydes	0.20	0.27	0.26	0.30	0.25	0.39
Hexaldehyde	0.20	0.21	0.11	0.29	0.15	0.39
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit

- See last page for explanation.

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% - See last page for explanation.

Denver, Colorado (WECO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	28640.00	28774	28885.00	28994	29063	29106
SAMPLE DATE	7/7/2002	7/13/2002	7/19/2002	7/25/2002	7/31/2002	8/6/2002
ANALYSIS DATE	7/18/2002	7/31/2002	8/6/2002	9/5/2002	9/6/2002	9/10/2002
FILE NAME	V2GQ041	F2G\$040	F2HF010	V2ID024	F2IE023	F2II026
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	4.35	6.16	5.71	5.788	6.76	4.24
Acetaldehyde	3.11	4.30	4.96	5.02	5.69	3.29
Acetone	2.23	6.81	5.20	3.54	5.21	3.41
Propionaldehyde	0.24	0.54	0.52	0.45	0.90	0.36
Crotonaldehyde	0.03	0.03	0.11	0.09	0.10	0.05
Butyr/Isobutyraldehyde	0.24	0.70	0.70	0.73	1.00	0.52
Benzaldehyde	0.20	0.27	0.29	0.26	0.36	0.25
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.08	0.13	0.15	0.15	0.33	0.35
Tolualdehydes	0.15	0.17	0.34	0.33	0.43	0.25
Hexaldehyde	0.14	0.16	0.28	0.23	0.44	0.18
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit

- See last page for explanation.

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% - See last page for explanation.

Denver, Colorado (WECO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	29271	29332	29488	29585.00	29695	29796 D1
SAMPLE DATE	8/12/2002	8/18/2002	8/24/2002	8/30/2002	9/5/2002	9/11/2002
ANALYSIS DATE	VOID	9/12/2002	9/17/2002	9/18/2002	9/24/2002	10/2/2002
FILE NAME	VOID	F2IK024	F2IP031	V2IR014	F2IX015	F2JB012
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde		4.61	5.04	3.64	5.26	2.94
Acetaldehyde		1.30	3.22	3.01	3.73	2.19
Acetone		1.51	3.27	4.25	6.62	2.68
Propionaldehyde		ND	0.14	0.26	0.36	0.34
Crotonaldehyde		ND	0.04	0.06	0.04	0.04
Butyr/Isobutyraldehyde		0.30	0.66	0.51	0.72	0.77
Benzaldehyde		0.51	0.19	0.20	0.23	0.14
Isovaleraldehyde		ND	ND	ND	ND	ND
Valeraldehyde		0.15	0.08	0.09	0.17	0.08
Tolualdehydes		0.80	0.07	0.35	0.28	0.19
Hexaldehyde		0.08	0.04	0.17	0.19	0.08
2,5-Dimethylbenzaldehyde		ND	ND	0.04	ND	ND

u - Concentration below detection limit

- See last page for explanation.

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% - See last page for explanation.

Denver, Colorado (WECO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	29796 R1	29798 D2	29798 R2	29900.00	29952	30076
SAMPLE DATE	9/11/2002	9/11/2002	9/11/2002	9/17/2002	9/23/2002	9/29/2002
ANALYSIS DATE	10/2/2002	10/2/2002	10/2/2002	VOID	10/15/2002	10/24/2002
FILE NAME	F2JB013	F2JB014	F2JB015	VOID	V2JN020	V2JX010
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	2.94	2.83	2.80		3.68	2.84
Acetaldehyde	2.19	2.07	2.07		2.50	2.45
Acetone	2.67	2.70	2.67		5.48	4.44
Propionaldehyde	0.25	0.26	0.24		0.30	0.27
Crotonaldehyde	0.03	0.03	0.02	u	0.03	0.03
Butyr/Isobutyraldehyde	0.78	0.76	0.75		0.68	0.49
Benzaldehyde	0.15	0.15	0.12		0.17	0.18
Isovaleraldehyde	ND	ND	ND		ND	ND
Valeraldehyde	0.08	0.07	0.07		0.11	0.09
Tolualdehydes	0.25	0.28	0.16		0.17	0.21
Hexaldehyde	0.10	0.07	0.07		0.10	0.19
2,5-Dimethylbenzaldehyde	ND	ND	ND		ND	ND

u - Concentration below detection limit

- See last page for explanation.

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Denver, Colorado (WECO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30317	30203	30292	30344 D1	30344 R1	30346 D2
SAMPLE DATE	10/5/2002	10/11/2002	10/17/2002	10/23/2002	10/23/2002	10/23/2002
ANALYSIS DATE	VOID	VOID	VOID	11/27/2002	11/27/2002	11/27/2002
FILE NAME	VOID	VOID	VOID	V2KY048	V2KY049	V2KY050
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde				1.21	1.21	1.210
Acetaldehyde				1.59	1.60	1.47
Acetone				2.42	2.43	2.28
Propionaldehyde				0.14	0.14	0.13
Crotonaldehyde				0.02 u	0.02 u	0.02 u
Butyr/Isobutyraldehyde				0.22	0.23	0.20
Benzaldehyde				0.07	0.06	0.06
Isovaleraldehyde				ND	ND	ND
Valeraldehyde				0.04	0.04	0.04
Tolualdehydes				0.09	0.10	0.10
Hexaldehyde				0.16	0.15	0.15
2,5-Dimethylbenzaldehyde				ND	ND	ND

u - Concentration below detection limit

- See last page for explanation.

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% - See last page for explanation.

Denver, Colorado (WECO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30346 R2	30459	30511.00	30616	30771 D1	30771 R1
SAMPLE DATE	10/23/2002	10/29/2002	11/4/2002	11/10/2002	11/16/2002	11/16/2002
ANALYSIS DATE	11/27/2002	12/13/2002	12/18/2002	12/21/2002	12/22/2002	12/22/2002
FILE NAME	V2KY051	#V2LL021	#V2LQ022	#V2LT023	#V2LT068	#V2LT069
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	1.22	1.17	3.05	1.88	2.64	2.626
Acetaldehyde	1.48	1.32	3.78	1.57	2.09	2.09
Acetone	2.28	3.02	6.16	1.96	3.93	3.91
Propionaldehyde	0.13	0.12	0.35	0.10	0.22	0.21
Crotonaldehyde	0.02 u	0.01 u	0.11	0.01 u	0.04	0.05
Butyr/Isobutyraldehyde	0.21	0.18	0.59	0.23	0.47	0.43
Benzaldehyde	0.06	0.07	0.23	0.07	0.17	0.22
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.04	0.03	0.16	0.03	0.09	0.08
Tolualdehydes	0.11	0.08	0.27	0.08	0.12	0.13
Hexaldehyde	0.12	0.10	0.19	0.07	0.16	0.16
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

Denver, Colorado (WECO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	30773 D2	30773 R2	30850	30914	30956	31071.00
SAMPLE DATE	11/16/2002	11/16/2002	11/22/2002	11/28/2002	12/4/2002	12/10/2002
ANALYSIS DATE	12/22/2002	12/22/2002	1/3/2003	1/9/2003	1/10/2003	1/16/2003
FILE NAME	#V2LT070	#V2LT071	?%V3AB027	?V3AH018	V3AH052	V3AP018
UNITS	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Formaldehyde	2.43	2.42	2.75	2.82	1.32	3.26
Acetaldehyde	2.04	2.04	2.01	2.68	1.69	3.41
Acetone	3.78	3.78	4.45	4.43	3.33	6.89
Propionaldehyde	0.19	0.20	0.24	0.30	0.18	0.33
Crotonaldehyde	0.06	0.06	0.05	0.08	0.04	0.11
Butyr/Isobutyraldehyde	0.42	0.41	0.45	0.50	0.40	0.83
Benzaldehyde	0.18	0.18	0.18	0.24	0.09	0.35
Isovaleraldehyde	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.09	0.09	0.11	0.13	0.06	0.19
Tolualdehydes	0.20	0.18	0.20	0.24	0.08	0.26
Hexaldehyde	0.22	0.19	0.17	0.24	0.12	0.26
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND

u - Concentration below detection limit

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

Denver, Colorado (WECO) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	31137	31298	31406
SAMPLE DATE	12/16/2002	12/22/2002	12/28/2002
ANALYSIS DATE	1/3/2003	1/22/2003	2/3/2003
FILE NAME	V3AB040	V3AU019	V3BC021
UNITS	ug/m3	ug/m3	ug/m3
Formaldehyde	2.918	2.24	2.92
Acetaldehyde	3.37	2.40	2.58
Acetone	5.20	3.35	3.96
Propionaldehyde	0.38	0.28	0.29
Crotonaldehyde	0.08	0.06	0.05
Butyr/Isobutyraldehyde	0.60	0.46	0.41
Benzaldehyde	0.30	0.18	0.21
Isovaleraldehyde	ND	ND	ND
Valeraldehyde	0.18	0.12	0.13
Tolualdehydes	0.28	0.22	0.23
Hexaldehyde	0.27	0.21	0.19
2,5-Dimethylbenzaldehyde	ND	ND	0.01

u - Concentration below detection limit

- See last page for explanation.

? - See last page for explanation.

% - See last page for explanation.

Denver, Colorado (WECO) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2E!006	Meets	F2FG008	Meets	VOID	Meets
FB ID	Criteria	27425 FB	Criteria	27638 FB	Criteria	28260	Criteria
Sample date	per	5/8/2002		5/20/2002		6/19/2002	
Date Analyzed	QAPP	5/28/2002	(Y/N)	6/7/2002	(Y/N)	VOID	(Y/N)
Formaldehyde	<0.3	0.05	Y	0.04	Y		Y
Acetaldehyde	<0.4	0.12	Y	0.08	Y		Y
Acetone	<0.75	0.18	Y	0.28	Y		Y
Propionaldehyde		0.02		0.01			
Crotonaldehyde		ND		ND			
Butyraldehyde		0.14		0.39			
Benzaldehyde		0.02		0.02			
Isovaleraldehyde		ND		ND			
Valeraldehyde		0.01		0.01			
Tolualdehydes		0.05		0.05			
Hexaldehyde		0.04		0.02			
2,5-Dimethylbenzaldehyde		ND		ND			
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.271	Y	0.513	Y	0.000	Y

Denver, Colorado (WECO) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V2ID023	Meets	VOID	Meets	F2IP030	Meets
FB ID	Criteria	28993 FB	Criteria	29270	Criteria	29487 FB	Criteria
Sample date	per	7/25/2002		8/12/2002		8/24/2002	
Date Analyzed	QAPP	9/5/2002	(Y/N)	VOID	(Y/N)	9/17/2002	(Y/N)
Formaldehyde	<0.3	0.08	Y		Y	0.14	Y
Acetaldehyde	<0.4	0.20	Y		Y	0.06	Y
Acetone	<0.75	0.22	Y		Y	0.24	Y
Propionaldehyde		0.01				0.01	
Crotonaldehyde		ND				ND	
Butyraldehyde		0.15				0.19	
Benzaldehyde		0.03				0.01	
Isovaleraldehyde		ND				ND	
Valeraldehyde		0.01				0.01	
Tolualdehydes		0.02				0.04	
Hexaldehyde		0.03				0.02	
2,5-Dimethylbenzaldehyde		ND				ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.247	Y	0.000	Y	0.273	Y

Denver, Colorado (WECO) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	V2IR013	Meets	F2IX014	Meets	V2JN021	Meets
FB ID	Criteria	29584 FB	Criteria	29694 FB	Criteria	29951 FB	Criteria
Sample date	per	8/30/2002		9/5/2002		9/23/2002	
Date Analyzed	QAPP	9/18/2002	(Y/N)	9/24/2002	(Y/N)	10/15/2002	(Y/N)
Formaldehyde	<0.3	0.05	Y	0.06	Y	0.08	Y
Acetaldehyde	<0.4	0.10	Y	0.06	Y	0.05	Y
Acetone	<0.75	0.22	Y	0.22	Y	0.14	Y
Propionaldehyde		0.00		0.01		0.01	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.18		0.32		0.24	
Benzaldehyde		0.01		0.01		0.02	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.01		0.01		0.01	
Tolualdehydes		0.02		0.07		0.04	
Hexaldehyde		0.02		0.02		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.248	Y	0.435	Y	0.335	Y

Denver, Colorado (WECO) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	VOID	Meets	#V2LL020	Meets	#V2LQ021	Meets
FB ID	Criteria	30202	Criteria	30458 FB	Criteria	30510 FB	Criteria
Sample date	per	10/11/2002		10/29/2002		11/4/2002	
Date Analyzed	QAPP	VOID	(Y/N)	12/13/2002	(Y/N)	12/18/2002	(Y/N)
Formaldehyde	<0.3		Y	0.09	Y	0.03	Y
Acetaldehyde	<0.4		Y	0.16	Y	0.08	Y
Acetone	<0.75		Y	0.27	Y	0.25	Y
Propionaldehyde				ND		ND	
Crotonaldehyde				ND		ND	
Butyraldehyde				0.08		0.02	
Benzaldehyde				0.02		0.02	
Isovaleraldehyde				ND		ND	
Valeraldehyde				0.00		0.01	
Tolualdehydes				0.03		0.03	
Hexaldehyde				0.02		0.02	
2,5-Dimethylbenzaldehyde				ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.000	Y	0.157	Y	0.102	Y

Denver, Colorado (WECO) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	#V2LT031	Meets	?%V3AB026	Meets	V3AP019	Meets
FB ID	Criteria	30770 FB	Criteria	30849 FB	Criteria	31070 FB	Criteria
Sample date	per	11/16/2002		11/22/2002		12/10/2002	
Date Analyzed	QAPP	12/21/2002	(Y/N)	1/3/2003	(Y/N)	1/16/2003	(Y/N)
Formaldehyde	<0.3	0.07	Y	0.22	Y	0.05	Y
Acetaldehyde	<0.4	0.11	Y	0.11	Y	0.08	Y
Acetone	<0.75	0.24	Y	0.23	Y	0.23	Y
Propionaldehyde		0.01		0.01		0.01	
Crotonaldehyde		ND		ND		ND	
Butyraldehyde		0.15		0.16		0.20	
Benzaldehyde		0.02		0.02		0.02	
Isovaleraldehyde		ND		ND		ND	
Valeraldehyde		0.00		0.01		0.01	
Tolualdehydes		0.02		0.04		0.04	
Hexaldehyde		0.03		0.04		0.02	
2,5-Dimethylbenzaldehyde		ND		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.223	Y	0.275	Y	0.290	Y

Denver, Colorado (WECO) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID FB ID Sample date Date Analyzed	Acceptance Criteria per QAPP	V3BC022 31405 FB 12/28/2002 2/3/2003	Meets Criteria (Y/N)
Formaldehyde	<0.3	0.05	Y
Acetaldehyde	<0.4	0.07	Y
Acetone	<0.75	0.19	Y
Propionaldehyde		0.01	
Crotonaldehyde		ND	
Butyraldehyde		0.09	
Benzaldehyde		0.02	
Isovaleraldehyde		ND	
Valeraldehyde		0.01	
Tolualdehydes		0.04	
Hexaldehyde		0.02	
2,5-Dimethylbenzaldehyde		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.183	Y

Denver, Colorado (WECO) 2002 UATMP Carbonyl Annual Data Report

u - Concentration below detection limit

- After extraction sample came to room temperature due to power outage.

? - Prior to extraction sample cartridge came to room temperature due to power outage.

% - Sample extracted out of hold time due to power outage.

Detroit (Yellow Freight), Michigan (YFMI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	24937	25043	25182	25285	25413	25649
SAMPLE DATE	1/2/2002	1/8/2002	1/14/2002	1/20/2002	1/26/2002	2/1/2002
ANALYSIS DATE	VOID	1/24/2002	1/24/2002	VOID	3/12/2002	3/15/2002
FILE NAME	VOID	F2AW022	F2AW033	VOID	F2CL018	F2CO012
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde		0.06	0.02 u		1.42	0.97
Acetaldehyde		0.09	0.03		0.59	0.45
Acetone		0.93	0.05		0.75	0.60
Propionaldehyde		ND	0.002 u		0.06	0.05
Crotonaldehyde		ND	ND		0.01 u	0.01 u
Butyr/Isobutyraldehyde		0.01	0.01		0.09	0.08
Benzaldehyde		0.01	0.003		0.02	0.02
Isovaleraldehyde		ND	ND		ND	ND
Valeraldehyde		0.005	ND		0.02	0.01
Tolualdehydes		0.01	0.01		0.03	0.03
Hexaldehyde		0.02	0.005		0.02	0.02
2,5-Dimethylbenzaldehyde		ND	ND		ND	ND

Detroit (Yellow Freight), Michigan (YFMI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	25659	25699	25840	26000	26257	26376
SAMPLE DATE	2/7/2002	2/13/2002	2/19/2002	2/25/2002	3/9/2002	3/15/2002
ANALYSIS DATE	3/19/2002	3/22/2002	4/2/2002	VOID	4/9/2002	4/23/2002
FILE NAME	F2CR004	F2CT037	F2DA016	VOID	F2DI022	F2DV018
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.55	1.89	0.26		0.99	1.70
Acetaldehyde	0.69	0.65	0.77		0.61	0.62
Acetone	1.06	0.56	1.06		0.99	0.72
Propionaldehyde	0.07	0.06	0.07		0.06	0.07
Crotonaldehyde	0.01 u	0.01 u	0.01 u		0.01	0.01
Butyr/Isobutyraldehyde	0.10	0.10	0.11		0.07	0.15
Benzaldehyde	0.03	0.02	0.04		0.03	0.04
Isovaleraldehyde	ND	ND	ND		ND	ND
Valeraldehyde	0.02	0.02	0.02		0.01	0.02
Tolualdehydes	0.02	0.01	0.03		0.03	0.03
Hexaldehyde	0.02	0.01	0.02		0.02	0.02
2,5-Dimethylbenzaldehyde	ND	ND	0.01		ND	0.00

Detroit (Yellow Freight), Michigan (YFMI) 2002 UATMP Carbonyl Annual Data Report

SAMPLE #	26495	26470	26574	26702	26835	27087
SAMPLE DATE	3/21/2002	3/27/2002	4/2/2002	4/8/2002	4/14/2002	4/26/2002
ANALYSIS DATE	4/29/2002	4/30/2002	4/30/2002	5/14/2002	5/16/2002	VOID
FILE NAME	F2D#017	F2D#040	F2D#049	F2EM035	F2EO035	VOID
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Formaldehyde	1.30	2.49	1.90	0.03	2.28	
Acetaldehyde	0.43	0.86	0.86	0.02	0.80	
Acetone	0.86	1.21	1.77	0.04	0.29	
Propionaldehyde	0.04	0.08	0.08	0.00 u	0.11	
Crotonaldehyde	0.006 u	0.01	0.02	ND	0.01 u	
Butyr/Isobutyraldehyde	0.13	0.14	0.18	0.03	0.11	
Benzaldehyde	0.02	0.04	0.04	0.00	0.04	
Isovaleraldehyde	ND	ND	ND	ND	0.003	
Valeraldehyde	0.01	0.03	0.02	ND	0.03	
Tolualdehydes	0.02	0.02	0.04	0.01	0.03	
Hexaldehyde	0.01	0.02	0.03	0.00 u	0.03	
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	

Detroit (Yellow Freight), Michigan (YFMI) 2002 UATMP Carbonyl Annual Field Blank Data Report

(µg/cartridge)

Data File ID	Acceptance	F2AW021	Meets	F2EO034	Meets
FB ID	Criteria	25042 FB	Criteria	26834 FB	Criteria
Sample date	per	1/8/2002		4/14/2002	
Date Analyzed	QAPP	1/23/2002	(Y/N)	5/16/2002	(Y/N)
Formaldehyde	<0.3	0.064	Y	0.297	Y
Acetaldehyde	<0.4	0.064	Y	0.062	Y
Acetone	<0.75	0.153	Y	0.256	Y
Propionaldehyde		ND		0.008	
Crotonaldehyde		ND		ND	
Butyraldehyde		0.026		0.501	
Benzaldehyde		0.005		0.014	
Isovaleraldehyde		ND		ND	
Valeraldehyde		ND		0.010	
Tolualdehydes		0.032		0.020	
Hexaldehyde		0.026		0.024	
2,5-Dimethylbenzaldehyde		ND		ND	
Sum total of Propionaldehyde through 2,5-Dimethylbenzaldehyde	<7.0	0.088	Y	0.576	Y

Appendix L

2002 SVOC Raw Monitoring Data

SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

2002 Final Data Report

Sample I.D.	25052 - D1		25052 - R1		25053 - D2	
File I.D.	ENG2845.D		ENG2865.D		ENG2866.D	
Date Sampled	01/08/02		01/08/02		01/08/02	
Date Analyzed	02/03/02		02/25/02		02/25/02	
	Actual Vol (m ³)	217.8	Actual Vol (m ³)	217.8	Actual Vol (m ³)	205.2
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	4.32	0.02 U	4.77	0.02 U	4.91	0.02 U
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	40.59	0.19	47.16	0.22	47.61	0.23
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	22.22	0.10	25.15	0.12	25.04	0.12
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Napthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

2002 Final Data Report

Sample I.D.	25052 - D1			25052 - R1			25053 - D2		
File I.D.	ENG2845.D			ENG2865.D			ENG2866.D		
Date Sampled	01/08/02			01/08/02			01/08/02		
Date Analyzed	02/03/02			02/25/02			02/25/02		
	Actual Vol (m ³)	217.8		Actual Vol (m ³)	217.8		Actual Vol (m ³)	205.2	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	0.21	0.001	U	0.55	0.003	U	ND	ND	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	0.90	0.004	U	1.07	0.005	U	0.99	0.005	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	0.71	0.003	U	0.48	0.002	U	0.68	0.003	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallyl	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	1.73	0.01	U	1.92	0.01	U	2.18	0.01	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		43.93	0.21	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
 ND - Not Detected
 U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

2002 Final Data Report

Sample I.D.	25053 - R2			25290 - D1			25290 - R1		
File I.D.	ENG2867.D			ENG2888.D			ENG2892.D		
Date Sampled	01/08/02			01/20/02			01/20/02		
Date Analyzed	02/25/02			02/27/02			02/27/02		
	Actual Vol (m³)	205.2		Actual Vol (m³)	266.1		Actual Vol (m³)	266.1	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	ND	ND		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	5.42	0.03	U	7.29	0.03	U	7.13	0.03	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	46.54	0.23		44.44	0.17		43.76	0.16	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	23.93	0.12		23.43	0.09		22.66	0.09	
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	ND	ND		ND	ND		ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

2002 Final Data Report

Sample I.D.	25053 - R2			25290 - D1			25290 - R1		
File I.D.	ENG2867.D			ENG2888.D			ENG2892.D		
Date Sampled	01/08/02			01/20/02			01/20/02		
Date Analyzed	02/25/02			02/27/02			02/27/02		
	Actual Vol (m ³)	205.2		Actual Vol (m ³)	266.1		Actual Vol (m ³)	266.1	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	0.36	0.002	U	0.33	0.001	U	0.34	0.001	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	1.10	0.01	U	1.08	0.004	U	1.26	0.005	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	0.94	0.005	U	0.94	0.00	U	0.82	0.003	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	1.87	0.01	U	2.36	0.01	U	2.55	0.01	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	44.78	0.22		ND	ND		ND	ND	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

2002 Final Data Report

Sample I.D.	25291 - D2			25291 - R2			25546 - D1		
File I.D.	ENG2893.D			ENG2940.D			ENG2912.D		
Date Sampled	01/20/02			01/20/02			02/01/02		
Date Analyzed	02/27/02			03/01/02			02/27/02		
	Actual Vol (m ³)	245.8		Actual Vol (m ³)	245.8		Actual Vol (m ³)	246.1	
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	16.56	0.07		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	5.93	0.02	U	6.00	0.02	U	9.47	0.04	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	41.71	0.17		38.18	0.16		58.66	0.24	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	21.46	0.09		19.45	0.08		32.13	0.13	
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	ND	ND		ND	ND		ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

2002 Final Data Report

Sample I.D.	25291 - D2		25291 - R2		25546 - D1	
File I.D.	ENG2893.D		ENG2940.D		ENG2912.D	
Date Sampled	01/20/02		01/20/02		02/01/02	
Date Analyzed	02/27/02		03/01/02		02/27/02	
	Actual Vol (m ³)	245.8	Actual Vol (m ³)	245.8	Actual Vol (m ³)	246.1
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	0.64	0.003 U	ND	ND	0.31	0.001 U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	1.17	0.005 U	ND	ND	1.48	0.006 U
Pentachlorobenzene	ND	ND	ND	ND	ND	ND
1-Naphthylamine	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND
Fluorene	0.92	0.004 U	0.82	0.003 U	1.35	0.005 U
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND
Diallate	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND
Phenanthrene	2.11	0.01 U	2.23	0.01 U	2.88	0.01 U
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	46.25	0.19	44.61	0.18	ND	ND
Benzidine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

2002 Final Data Report

Sample I.D.	25546 - R1		25547 - D2		25547 - R2	
File I.D.	ENG2913.D		ENG2914.D		ENG2915.D	
Date Sampled	02/01/02		02/01/02		02/01/02	
Date Analyzed	02/27/02		02/27/02		02/27/02	
	Actual Vol (m ³)	246.1	Actual Vol (m ³)	266.5	Actual Vol (m ³)	266.5

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	ND	ND		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	10.12	0.04	U	9.05	0.03	U	9.60	0.04	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		2.22	0.01	U	2.56	0.01	U
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	60.41	0.25		51.83	0.19		55.59	0.21	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	31.59	0.13		30.18	0.11		30.25	0.11	
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	1.24	0.01	U	ND	ND		1.02	0.004	U

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

2002 Final Data Report

Sample I.D.	25546 - R1			25547 - D2			25547 - R2
File I.D.	ENG2913.D			ENG2914.D			ENG2915.D
Date Sampled	02/01/02			02/01/02			02/01/02
Date Analyzed	02/27/02			02/27/02			02/27/02
	Actual Vol (m ³)	246.1		Actual Vol (m ³)	266.5		Actual Vol (m ³) 266.5

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	0.80	0.003	U	ND	ND		0.28	0.001	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	1.82	0.01	U	1.49	0.01	U	1.52	0.01	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	1.37	0.01	U	1.08	0.004	U	1.23	0.005	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	3.10	0.01	U	2.54	0.01	U	2.94	0.01	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		21.44	0.08		22.02	0.08	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

2002 Final Data Report

Sample I.D.	25720 - Field Blank	25713 - D1	25713 - R1
File I.D.	ENG2948.D	ENG2933.D	ENG2934.D
Date Sampled	02/13/02	02/13/02	02/13/02
Date Analyzed	03/01/02	02/28/02	02/28/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
		233.3	233.3

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND	ND	ND		ND	ND	
Pyridine	ND	ND	ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND	ND	ND		ND	ND	
2-Picoline	ND	ND	ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND	ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND	ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND	ND	ND		ND	ND	
Phenol	ND	ND	ND	ND		ND	ND	
Pentachloroethane	ND	ND	ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND	ND	ND		ND	ND	
Aniline	ND	ND	ND	ND		ND	ND	
2-Chlorophenol	ND	ND	ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND	ND	ND		ND	ND	
1,4-Dichlorobenzene	ND	ND	4.56	0.02	U	4.26	0.02	U
Benzyl alcohol	ND	ND	ND	ND		ND	ND	
2-Methylphenol	ND	ND	ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND	ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND		ND	ND	
3&4-Methylphenol	ND	ND	ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND	ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND	ND	ND		ND	ND	
o-Toluidine	ND	ND	ND	ND		ND	ND	
Hexachloroethane	ND	ND	ND	ND		ND	ND	
Acetophenone	ND	ND	ND	ND		ND	ND	
Nitrobenzene	ND	ND	ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND	ND	ND		ND	ND	
Isophorone	ND	ND	ND	ND		ND	ND	
2-Nitrophenol	ND	ND	ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND	ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND	ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND	ND	ND		ND	ND	
4-Chloroaniline	ND	ND	ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND	ND	ND		ND	ND	
Naphthalene	ND	ND	31.50	0.14		33.63	0.14	
2,6-Dichlorophenol	ND	ND	ND	ND		ND	ND	
Hexachloropropene	ND	ND	ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND	ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND	ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND	ND	ND		ND	ND	
Safrole	ND	ND	ND	ND		ND	ND	
2-Methylnaphthalene	ND	ND	18.71	0.08	U	19.29	0.08	
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND	ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND	ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND	ND	ND		ND	ND	
2-Nitroaniline	ND	ND	ND	ND		ND	ND	
Isosafrole	ND	ND	ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND	ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND	ND	ND		ND	ND	
Dimethyl phthalate	ND	ND	ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND	ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND	ND	ND		ND	ND	
3-Nitroaniline	ND	ND	ND	ND		ND	ND	
Acenaphthylene	ND	ND	ND	ND		ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

2002 Final Data Report

Sample I.D.	25720 - Field Blank	25713 - D1	25713 - R1
File I.D.	ENG2948.D	ENG2933.D	ENG2934.D
Date Sampled	02/13/02	02/13/02	02/13/02
Date Analyzed	03/01/02	02/28/02	02/28/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
		233.3	233.3

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND	ND	ND		ND	ND	
4-Nitrophenol	ND	ND	ND	ND		ND	ND	
Acenaphthene	ND	ND	ND	ND		ND	ND	
2,4-Dinitrotoluene	ND	ND	ND	ND		ND	ND	
2-Naphthylamine	ND	ND	ND	ND		ND	ND	
Dibenzofuran	ND	ND	ND	ND		ND	ND	
Pentachlorobenzene	ND	ND	ND	ND		ND	ND	
1-Naphthylamine	ND	ND	ND	ND		ND	ND	
Diethyl phthalate	ND	ND	ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND		ND	ND	
4-Nitroaniline	ND	ND	ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND		ND	ND	
Fluorene	ND	ND	0.31	0.001	U	0.67	0.003	U
5-Nitro-o-toluidine	ND	ND	ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND		ND	ND	
Diphenylamine	ND	ND	ND	ND		ND	ND	
Azobenzene	ND	ND	ND	ND		ND	ND	
Phenacetin	ND	ND	ND	ND		ND	ND	
Diallate	ND	ND	ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND	ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND	ND	ND		ND	ND	
Hexachlorobenzene	ND	ND	ND	ND		ND	ND	
Pronamide	ND	ND	ND	ND		ND	ND	
Pentachlorophenol	ND	ND	ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND	ND	ND		ND	ND	
Phenanthrene	ND	ND	ND	ND		1.18	0.01	U
Dinoseb	ND	ND	ND	ND		ND	ND	
Anthracene	ND	ND	ND	ND		ND	ND	
Carbazole	ND	ND	ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND	ND	ND		ND	ND	
Benzidine	ND	ND	ND	ND		ND	ND	
Isodrin	ND	ND	ND	ND		ND	ND	
Fluoranthene	ND	ND	ND	ND		ND	ND	
Pyrene	ND	ND	ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND	ND	ND		ND	ND	
Chlorobenzilate	ND	ND	ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND	ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND	ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND	ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND	ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND	ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND	ND	ND		ND	ND	
Chrysene	ND	ND	ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND	ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND	ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND	ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND	ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND	ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND	ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

2002 Final Data Report

Sample I.D.	25717 - D2		25717 - R2		26015 - D1	
File I.D.	ENG2935.D		ENG2936.D		ENG3080.D	
Date Sampled	02/13/02		02/13/02		02/25/02	
Date Analyzed	02/28/02		02/28/02		04/10/02	
	Actual Vol (m ³)	234.6	Actual Vol (m ³)	234.6	Actual Vol (m ³)	182.1

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	ND	ND		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	4.10	0.02	U	4.61	0.02	U	4.75	0.03	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	34.61	0.15		33.66	0.14		21.22	0.12	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	19.20	0.08		18.91	0.08	U	12.23	0.07	U
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

2002 Final Data Report

Sample I.D.	25717 - D2	25717 - R2	26015 - D1
File I.D.	ENG2935.D	ENG2936.D	ENG3080.D
Date Sampled	02/13/02	02/13/02	02/25/02
Date Analyzed	02/28/02	02/28/02	04/10/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	234.6	234.6	182.1

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	ND	ND		ND	ND		ND	ND	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	ND	ND		ND	ND		ND	ND	
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	0.32	0.001	U	0.41	0.002	U	ND	ND	
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	ND	ND		ND	ND		0.97	0.01	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

2002 Final Data Report

Sample I.D.	26015 - R1		26016 - D2		26016 - R2	
File I.D.	ENG3089.D		ENG3081.D		ENG3090.D	
Date Sampled	02/25/02		02/25/02		02/25/02	
Date Analyzed	04/11/02		04/10/02		04/11/02	
	Actual Vol (m ³)	182.1	Actual Vol (m ³)	223.0	Actual Vol (m ³)	223.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	ND	ND		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	5.56	0.03	U	4.76	0.02	U	5.49	0.02	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	22.53	0.12		27.68	0.12		26.05	0.12	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	11.98	0.07	U	13.05	0.06	U	12.26	0.05	U
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	ND	ND		ND	ND		ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

2002 Final Data Report

Sample I.D.	26015 - R1			26016 - D2			26016 - R2		
File I.D.	ENG3089.D			ENG3081.D			ENG3090.D		
Date Sampled	02/25/02			02/25/02			02/25/02		
Date Analyzed	04/11/02			04/10/02			04/11/02		
	Actual Vol (m ³)	182.1		Actual Vol (m ³)	223.0		Actual Vol (m ³)	223.0	
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	ND	ND		0.51	0.002	U	ND	ND	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	ND	ND		0.94	0.004	U	0.98	0.004	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	0.56	0.003	U	0.60	0.003	U	0.61	0.003	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	1.22	0.01	U	1.33	0.01	U	1.49	0.01	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		4.16	0.02	U	3.78	0.02	U
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

2002 Final Data Report

Sample I.D.	26238 - D1		26238 - R1		26240 - D2	
File I.D.	ENG3106.D		ENG3107.D		ENG3108.D	
Date Sampled	03/09/02		03/09/02		03/09/02	
Date Analyzed	04/11/02		04/11/02		04/11/02	
	Actual Vol (m ³)	250.1	Actual Vol (m ³)	250.1	Actual Vol (m ³)	247.9
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	ND	ND	35.87	0.14
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	4.15	0.02	3.99	0.02	4.70	0.02
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	14.18	0.06	13.79	0.06	261.71	1.06
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	6.51	0.03	6.35	0.03	16.20	0.07
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	1.28	0.01

D - Dilution
 ND - Not Detected
 U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

2002 Final Data Report

Sample I.D.	26238 - D1		26238 - R1		26240 - D2	
File I.D.	ENG3106.D		ENG3107.D		ENG3108.D	
Date Sampled	03/09/02		03/09/02		03/09/02	
Date Analyzed	04/11/02		04/11/02		04/11/02	
	Actual Vol (m ³)	250.1	Actual Vol (m ³)	250.1	Actual Vol (m ³)	247.9
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	2.46	0.01 U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	0.73	0.003 U	0.70	0.003 U	4.20	0.02 U
Pentachlorobenzene	ND	ND	ND	ND	ND	ND
1-Naphthylamine	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND
Fluorene	0.39	0.002 U	ND	ND	3.29	0.01 U
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND
Diallyl	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND
Phenanthrene	0.84	0.003 U	0.55	0.002 U	6.36	0.03 U
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	0.50	0.002 U
Carbazole	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	5.18	0.02 U	4.76	0.02 U	ND	ND
Benzidine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	2.64	0.01 U
Pyrene	ND	ND	ND	ND	1.20	0.005 U
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND

D - Dilution
 ND - Not Detected
 U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

2002 Final Data Report

Sample I.D.	26240 - R2			26480 - D1			26480 - R1
File I.D.	ENG3109.D			ENG3139.D			ENG3140.D
Date Sampled	03/09/02			03/21/02			03/21/02
Date Analyzed	04/11/02			04/12/02			04/13/02
	Actual Vol (m ³)	247.9		Actual Vol (m ³)	257.9		Actual Vol (m ³) 257.9

<u>Compound</u>	<u>Final Conc (ug)</u>	<u>Final ug/m³</u>		<u>Final Conc (ug)</u>	<u>Final ug/m³</u>		<u>Final Conc (ug)</u>	<u>Final ug/m³</u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	38.83	0.16		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	4.64	0.02	U	2.99	0.01	U	3.57	0.01	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	266.75	1.08		14.89	0.06		15.59	0.06	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	16.17	0.07	U	7.66	0.03	U	7.52	0.03	U
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	1.25	0.01	U	ND	ND		ND	ND	

D - Dilution
 ND - Not Detected
 U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

2002 Final Data Report

Sample I.D.	26240 - R2			26480 - D1			26480 - R1
File I.D.	ENG3109.D			ENG3139.D			ENG3140.D
Date Sampled	03/09/02			03/21/02			03/21/02
Date Analyzed	04/11/02			04/12/02			04/13/02
	Actual Vol (m ³)	247.9		Actual Vol (m ³)	257.9		Actual Vol (m ³) 257.9

<u>Compound</u>	<u>Final Conc (ug)</u>	<u>Final ug/m³</u>		<u>Final Conc (ug)</u>	<u>Final ug/m³</u>		<u>Final Conc (ug)</u>	<u>Final ug/m³</u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	2.67	0.01	U	ND	ND		ND	ND	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	4.58	0.02	U	ND	ND		0.51	0.002	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	2.69	0.01	U	ND	ND		0.37	0.001	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallyl	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	6.11	0.02	U	0.81	0.003	U	0.70	0.003	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	0.65	0.003	U	ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	2.87	0.01	U	ND	ND		ND	ND	
Pyrene	1.45	0.01	U	ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

2002 Final Data Report

Sample I.D.	26477 - D2			26477 - R2			26579 - D1		
File I.D.	ENG3141.D			ENG3142.D			ENG3188		
Date Sampled	03/21/02			03/21/02			04/02/02		
Date Analyzed	04/13/02			04/13/02			05/30/02		
	Actual Vol (m ³)	258.1		Actual Vol (m ³)	258.1		Actual Vol (m ³)	283.1	
Compound	Final Conc (µg)	Final µg/m ³		Final Conc (µg)	Final µg/m ³		Final Conc (µg)	Final µg/m ³	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	ND	ND		ND	ND		15.25	0.05	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	3.24	0.01	U	3.28	0.01	U	14.40	0.05	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	14.31	0.06		13.74	0.05		133.33	0.47	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	7.36	0.03	U	7.43	0.03	U	53.19	0.19	
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	ND	ND		ND	ND		ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

2002 Final Data Report

Sample I.D.	26477 - D2	26477 - R2	26579 - D1
File I.D.	ENG3141.D	ENG3142.D	ENG3188
Date Sampled	03/21/02	03/21/02	04/02/02
Date Analyzed	04/13/02	04/13/02	05/30/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	258.1	258.1	283.1

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	ND	ND		ND	ND		3.00	0.011	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	0.42	0.002	U	ND	ND		3.37	0.01	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	0.37	0.001	U	0.58	0.002	U	3.57	0.01	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallyl	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	0.77	0.003	U	0.67	0.003	U	5.81	0.02	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	3.52	0.01	U	3.77	0.01	U	ND	ND	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

2002 Final Data Report

Sample I.D.	26579 - R1	26580 - D2	26580 - R2
File I.D.	ENG3274	ENG3189	ENG3275
Date Sampled	04/02/02	04/02/02	04/02/02
Date Analyzed	06/29/02	05/30/02	06/29/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	283.1	305.4	305.4

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND		ND	ND	ND	ND	
Pyridine	ND	ND		ND	ND	ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND	ND	ND	
2-Picoline	ND	ND		ND	ND	ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND	ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND	ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND	ND	ND	
Phenol	9.27	0.03	U	16.68	0.05	13.05	0.04	
Pentachloroethane	ND	ND		ND	ND	ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND	ND	ND	
Aniline	ND	ND		ND	ND	ND	ND	
2-Chlorophenol	ND	ND		ND	ND	ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND	ND	ND	
1,4-Dichlorobenzene	11.13	0.04	U	16.83	0.06	14.32	0.05	U
Benzyl alcohol	ND	ND		ND	ND	ND	ND	
2-Methylphenol	ND	ND		ND	ND	ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND	ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND	ND	ND	
3&4-Methylphenol	ND	ND		ND	ND	ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND	ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND	ND	ND	
o-Toluidine	ND	ND		ND	ND	ND	ND	
Hexachloroethane	ND	ND		ND	ND	ND	ND	
Acetophenone	ND	ND		ND	ND	ND	ND	
Nitrobenzene	ND	ND		ND	ND	ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND	ND	ND	
Isophorone	ND	ND		ND	ND	ND	ND	
2-Nitrophenol	ND	ND		ND	ND	ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND	ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND	ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND	ND	ND	
4-Chloroaniline	ND	ND		ND	ND	ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND	ND	ND	
Naphthalene	113.80	0.40		143.22	0.47	134.69	0.44	
2,6-Dichlorophenol	ND	ND		ND	ND	ND	ND	
Hexachloropropene	ND	ND		ND	ND	ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND	ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND	ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND	ND	ND	
Safrole	ND	ND		ND	ND	ND	ND	
2-Methylnaphthalene	41.63	0.15		52.00	0.17	51.27	0.17	
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND	ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND	ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND	ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND	ND	ND	
2-Nitroaniline	ND	ND		ND	ND	ND	ND	
Isosafrole	ND	ND		ND	ND	ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND	ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND	ND	ND	
Dimethyl phthalate	ND	ND		ND	ND	ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND	ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND	ND	ND	
3-Nitroaniline	ND	ND		ND	ND	ND	ND	
Acenaphthylene	ND	ND		ND	ND	ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

2002 Final Data Report

Sample I.D.	26579 - R1		26580 - D2		26580 - R2	
File I.D.	ENG3274		ENG3189		ENG3275	
Date Sampled	04/02/02		04/02/02		04/02/02	
Date Analyzed	06/29/02		05/30/02		06/29/02	
	Actual Vol (m ³)	283.1	Actual Vol (m ³)	305.4	Actual Vol (m ³)	305.4
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	3.00	0.011 U	4.07	0.01 U	4.45	0.01 U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	3.02	0.01 U	3.06	0.01 U	3.30	0.01 U
Pentachlorobenzene	ND	ND	ND	ND	ND	ND
1-Naphthylamine	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND
Fluorene	2.92	0.01 U	3.71	0.01 U	4.04	0.01 U
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND
Diallate	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND
Phenanthrene	5.73	0.02 U	5.91	0.02 U	5.39	0.02 U
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	ND	ND	7.79	0.03 U	4.93	0.02 U
Benzidine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND

D - Dilution
 ND - Not Detected
 U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

2002 Final Data Report

Sample I.D.	26839 - D1		26839 - R1		26840 - D2	
File I.D.	ENG3215		ENG3272		ENG3216	
Date Sampled	04/14/02		04/14/02		04/14/02	
Date Analyzed	05/31/02		06/29/02		05/31/02	
	Actual Vol (m ³)	236.8	Actual Vol (m ³)	236.8	Actual Vol (m ³)	254.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	ND	ND		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	9.28	0.04	U	9.44	0.04	U	12.27	0.05	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	47.54	0.20		41.34	0.17		47.43	0.19	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	26.42	0.11		25.47	0.11		24.21	0.10	
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Napthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

2002 Final Data Report

Sample I.D.	26839 - D1		26839 - R1		26840 - D2	
File I.D.	ENG3215		ENG3272		ENG3216	
Date Sampled	04/14/02		04/14/02		04/14/02	
Date Analyzed	05/31/02		06/29/02		05/31/02	
	Actual Vol (m ³)	236.8	Actual Vol (m ³)	236.8	Actual Vol (m ³)	254.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	0.95	0.004	U	ND	ND		0.64	0.003	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	1.21	0.01	U	ND	ND		1.69	0.007	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	2.08	0.01	U	1.32	0.006	U	1.48	0.006	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallyl	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	3.32	0.01	U	3.19	0.01	U	3.18	0.01	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		54.55	0.21	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
 ND - Not Detected
 U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

2002 Final Data Report

Sample I.D. 26840 - R2
 File I.D. ENG3273
 Date Sampled 04/14/02
 Date Analyzed 06/29/02
 Actual Vol (m³) 254.0

<u>Compound</u>	<u>Final Conc (ug)</u>	<u>Final ug/m³</u>	
N-Nitrosodimethylamine	ND	ND	
Pyridine	ND	ND	
Ethyl methanesulfonate	ND	ND	
2-Picoline	ND	ND	
N-Nitrosomethylethylamine	ND	ND	
Methyl methanesulfonate	ND	ND	
N-Nitrosodiethylamine	ND	ND	
Phenol	ND	ND	
Pentachloroethane	ND	ND	
bis (2-Chloroethyl)ether	ND	ND	
Aniline	ND	ND	
2-Chlorophenol	ND	ND	
1,3-Dichlorobenzene	ND	ND	
1,4-Dichlorobenzene	9.87	0.04	U
Benzyl alcohol	ND	ND	
2-Methylphenol	ND	ND	
1,2-Dichlorobenzene	ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND	
3&4-Methylphenol	ND	ND	
N-Nitrosopyrrolidine	ND	ND	
N-Nitrosodipropylamine	ND	ND	
o-Toluidine	ND	ND	
Hexachloroethane	ND	ND	
Acetophenone	ND	ND	
Nitrobenzene	ND	ND	
N-Nitrosopiperidine	ND	ND	
Isophorone	ND	ND	
2-Nitrophenol	ND	ND	
2,4-Dimethylphenol	ND	ND	
bis(2-Chloroethoxy)methane	ND	ND	
2,4-Dichlorophenol	ND	ND	
4-Chloroaniline	ND	ND	
1,2,4-Trichlorobenzene	ND	ND	
Naphthalene	42.23	0.17	
2,6-Dichlorophenol	ND	ND	
Hexachloropropene	ND	ND	
Hexachlorobutadiene	ND	ND	
N-Nitrosodibutylamine	ND	ND	
4-Chloro-3-methylphenol	ND	ND	
Safrole	ND	ND	
2-Methylnaphthalene	24.70	0.10	
1,2,4,5-Tetrachlorobenzene	ND	ND	
2,4,6-Trichlorophenol	ND	ND	
Hexachlorocyclopentadiene	ND	ND	
2,4,5-Trichlorophenol	ND	ND	
2-Nitroaniline	ND	ND	
Isosafrole	ND	ND	
2-Chloronaphthalene	ND	ND	
1,4-Naphthoquinone	ND	ND	
Dimethyl phthalate	ND	ND	
1,3-Dinitrobenzene	ND	ND	
2,6-Dinitrotoluene	ND	ND	
3-Nitroaniline	ND	ND	
Acenaphthylene	ND	ND	

SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

2002 Final Data Report

Sample I.D. 26840 - R2
File I.D. ENG3273
Date Sampled 04/14/02
Date Analyzed 06/29/02
 Actual Vol (m³) 254.0

<u>Compound</u>	<u>Final Conc (ug)</u>	<u>Final ug/m³</u>	
2,4-Dinitrophenol	ND	ND	
4-Nitrophenol	ND	ND	
Acenaphthene	ND	ND	
2,4-Dinitrotoluene	ND	ND	
2-Naphthylamine	ND	ND	
Dibenzofuran	1.84	0.007	U
Pentachlorobenzene	ND	ND	
1-Naphthylamine	ND	ND	
Diethyl phthalate	ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND	
4-Nitroaniline	ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND	
Fluorene	0.95	0.004	U
5-Nitro-o-toluidine	ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND	
Diphenylamine	ND	ND	
Azobenzene	ND	ND	
Phenacetin	ND	ND	
Diallyl	ND	ND	
4-Bromophenyl phenyl ether	ND	ND	
4-Aminobiphenyl	ND	ND	
Hexachlorobenzene	ND	ND	
Pronamide	ND	ND	
Pentachlorophenol	ND	ND	
Pentachloronitrobenzene	ND	ND	
Phenanthrene	2.66	0.01	U
Dinoseb	ND	ND	
Anthracene	ND	ND	
Carbazole	ND	ND	
Di-n-butyl phthalate	34.84	0.14	
Benidine	ND	ND	
Isodrin	ND	ND	
Fluoranthene	ND	ND	
Pyrene	ND	ND	
4-Dimethylaminoazobenzene	ND	ND	
Chlorobenzilate	ND	ND	
3,3'-Dimethylbenzidine	ND	ND	
Butyl benzyl phthalate	ND	ND	
2-Acetylaminofluorene	ND	ND	
3-Methylcholanthrene	ND	ND	
3,3'-Dichlorobenzidine	ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND	
Benzo(a)anthracene	ND	ND	
Chrysene	ND	ND	
Di-n-octyl phthalate	ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND	
Benzo(b)fluoranthene	ND	ND	
Benzo(k)fluoranthene	ND	ND	
Benzo(a)pyrene	ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND	
Dibenz(a,h)anthracene	ND	ND	
Benzo(g,h,i)perylene	ND	ND	

SemiVolatiles Samples - Camden, NJ (CANJ)

2002 Final Data Report

Sample I.D.	24967	25028	25189			
File I.D.	VOID	ENG2815.D	ENG2876.D			
Date Sampled	01/02/02	01/08/02	01/14/02			
Date Analyzed		01/18/02	02/26/02			
	Actual Vol (m ³)	Actual Vol (m ³)	195.1	Actual Vol (m ³)	184.3	
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine			ND	ND	ND	ND
Pyridine			ND	ND	ND	ND
Ethyl methanesulfonate			ND	ND	ND	ND
2-Picoline			ND	ND	ND	ND
N-Nitrosomethylethylamine			ND	ND	ND	ND
Methyl methanesulfonate			ND	ND	ND	ND
N-Nitrosodiethylamine			ND	ND	ND	ND
Phenol			20.75	0.11	U	ND
Pentachloroethane			ND	ND	ND	ND
bis (2-Chloroethyl)ether			ND	ND	ND	ND
Aniline			ND	ND	ND	ND
2-Chlorophenol			ND	ND	ND	ND
1,3-Dichlorobenzene			ND	ND	ND	ND
1,4-Dichlorobenzene			33.31	0.17	56.08	0.30
Benzyl alcohol			ND	ND	ND	ND
2-Methylphenol			ND	ND	ND	ND
1,2-Dichlorobenzene			ND	ND	ND	ND
bis(2-Chloroisopropyl)ether			ND	ND	ND	ND
3&4-Methylphenol			2.28	0.01	U	ND
N-Nitrosopyrrolidine			ND	ND	ND	ND
N-Nitrosodipropylamine			ND	ND	ND	ND
o-Toluidine			ND	ND	ND	ND
Hexachloroethane			ND	ND	ND	ND
Acetophenone			ND	ND	ND	ND
Nitrobenzene			ND	ND	ND	ND
N-Nitrosopiperidine			ND	ND	ND	ND
Isophorone			ND	ND	ND	ND
2-Nitrophenol			ND	ND	ND	ND
2,4-Dimethylphenol			ND	ND	ND	ND
bis(2-Chloroethoxy)methane			ND	ND	ND	ND
2,4-Dichlorophenol			ND	ND	ND	ND
4-Chloroaniline			ND	ND	ND	ND
1,2,4-Trichlorobenzene			ND	ND	ND	ND
Naphthalene			33.28	0.17	55.86	0.30
2,6-Dichlorophenol			ND	ND	ND	ND
Hexachloropropene			ND	ND	ND	ND
Hexachlorobutadiene			ND	ND	ND	ND
N-Nitrosodibutylamine			ND	ND	ND	ND
4-Chloro-3-methylphenol			ND	ND	ND	ND
Safrole			ND	ND	ND	ND
2-Methylnaphthalene			15.12	0.08	27.47	0.15
1,2,4,5-Tetrachlorobenzene			ND	ND	ND	ND
2,4,6-Trichlorophenol			ND	ND	ND	ND
Hexachlorocyclopentadiene			ND	ND	ND	ND
2,4,5-Trichlorphenol			ND	ND	ND	ND
2-Nitroaniline			ND	ND	ND	ND
Isosafrole			ND	ND	ND	ND
2-Chloronaphthalene			ND	ND	ND	ND
1,4-Naphthoquinone			ND	ND	ND	ND
Dimethyl phthalate			ND	ND	ND	ND
1,3-Dintrobenzene			ND	ND	ND	ND
2,6-Dinitrotoluene			ND	ND	ND	ND
3-Nitroaniline			ND	ND	ND	ND
Acenaphthylene			ND	ND	ND	ND

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatiles Samples - Camden, NJ (CANJ)

2002 Final Data Report

Sample I.D.	24967	25028	25189					
File I.D.	VOID	ENG2815.D	ENG2876.D					
Date Sampled	01/02/02	01/08/02	01/14/02					
Date Analyzed		01/18/02	02/26/02					
	Actual Vol (m³)	Actual Vol (m³)	195.1	Actual Vol (m³)	184.3			
Compound	Final Conc (µg)	Final µg/m³	Final Conc (µg)	Final µg/m³	Final Conc (µg)	Final µg/m³		
2,4-Dinitrophenol			ND	ND	ND	ND		
4-Nitrophenol			ND	ND	ND	ND		
Acenaphthene			0.36	0.002	U	0.67	0.004	U
2,4-Dinitrotoluene			ND	ND		ND	ND	
2-Naphthylamine			ND	ND		ND	ND	
Dibenzofuran			0.90	0.005	U	1.71	0.01	U
Pentachlorobenzene			ND	ND		ND	ND	
1-Naphthylamine			ND	ND		ND	ND	
Diethyl phthalate			ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol			ND	ND		ND	ND	
4-Nitroaniline			ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether			ND	ND		ND	ND	
Fluorene			0.72	0.004	U	1.09	0.01	U
5-Nitro-o-toluidine			ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol			ND	ND		ND	ND	
Diphenylamine			ND	ND		ND	ND	
Azobenzene			ND	ND		ND	ND	
Phenacetin			ND	ND		ND	ND	
Diallate			ND	ND		ND	ND	
4-Bromophenyl phenyl ether			ND	ND		ND	ND	
4-Aminobiphenyl			ND	ND		ND	ND	
Hexachlorobenzene			ND	ND		ND	ND	
Pronamide			ND	ND		ND	ND	
Pentachlorophenol			ND	ND		ND	ND	
Pentachloronitrobenzene			ND	ND		ND	ND	
Phenanthrene			1.57	0.01	U	2.48	0.01	U
Dinoseb			ND	ND		ND	ND	
Anthracene			ND	ND		ND	ND	
Carbazole			ND	ND		ND	ND	
Di-n-butyl phthalate			ND	ND		ND	ND	
Benidine			ND	ND		ND	ND	
Isodrin			ND	ND		ND	ND	
Fluoranthene			ND	ND		ND	ND	
Pyrene			ND	ND		ND	ND	
4-Dimethylaminoazobenzene			ND	ND		ND	ND	
Chlorobenzilate			ND	ND		ND	ND	
3,3'-Dimethylbenzidine			ND	ND		ND	ND	
Butyl benzyl phthalate			ND	ND		ND	ND	
2-Acetylaminofluorene			ND	ND		ND	ND	
3-Methylcholanthrene			ND	ND		ND	ND	
3,3'-Dichlorobenzidine			ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate			ND	ND		ND	ND	
Benzo(a)anthracene			ND	ND		ND	ND	
Chrysene			ND	ND		ND	ND	
Di-n-octyl phthalate			ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene			ND	ND		ND	ND	
Benzo(b)fluoranthene			ND	ND		ND	ND	
Benzo(k)fluoranthene			ND	ND		ND	ND	
Benzo(a)pyrene			ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene			ND	ND		ND	ND	
Dibenz(a,h)anthracene			ND	ND		ND	ND	
Benzo(a,h,i)perylene			ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatiles Samples - Camden, NJ (CANJ)

2002 Final Data Report

Sample I.D.	25330		25457		25608	
File I.D.	ENG2881.D		ENG2902.D		ENG2917.D	
Date Sampled	01/20/02		01/26/02		02/01/02	
Date Analyzed	02/26/02		02/27/02		02/28/02	
	Actual Vol (m ³)	216.8	Actual Vol (m ³)	196.2	Actual Vol (m ³)	202.2

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	28.03	0.13	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	57.41	0.26	50.00	0.25	29.35	0.15
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	2.27	0.01	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	57.58	0.27	53.53	0.27	50.02	0.25
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	24.93	0.11	29.72	0.15	24.54	0.12
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatiles Samples - Camden, NJ (CANJ)

2002 Final Data Report

Sample I.D.	25330			25457			25608		
File I.D.	ENG2881.D			ENG2902.D			ENG2917.D		
Date Sampled	01/20/02			01/26/02			02/01/02		
Date Analyzed	02/26/02			02/27/02			02/28/02		
	Actual Vol (m³)	216.8		Actual Vol (m³)	196.2		Actual Vol (m³)	202.2	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	0.64	0.003	U	0.93	0.005	U	1.15	0.01	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	2.11	0.01	U	1.56	0.01	U	2.03	0.01	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		21.08	0.10	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	1.53	0.01	U	1.13	0.01	U	1.31	0.01	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	3.18	0.01	U	2.54	0.01	U	3.25	0.02	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatiles Samples - Camden, NJ (CANJ)

2002 Final Data Report

Sample I.D.	25734	25888 - Field Blank	25895		
File I.D.	VOID	ENG3039.D	ENG3050.D		
Date Sampled	02/07/02	02/13/02	02/19/02		
Date Analyzed		03/28/02	03/29/02		
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)	252.4	
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine		ND	ND	ND	ND
Pyridine		ND	ND	ND	ND
Ethyl methanesulfonate		ND	ND	ND	ND
2-Picoline		ND	ND	ND	ND
N-Nitrosomethylethylamine		ND	ND	ND	ND
Methyl methanesulfonate		ND	ND	ND	ND
N-Nitrosodiethylamine		ND	ND	ND	ND
Phenol		ND	ND	21.28	0.08
Pentachloroethane		ND	ND	ND	ND
bis (2-Chloroethyl)ether		ND	ND	ND	ND
Aniline		ND	ND	ND	ND
2-Chlorophenol		ND	ND	ND	ND
1,3-Dichlorobenzene		ND	ND	ND	ND
1,4-Dichlorobenzene		ND	ND	176.47	0.70
Benzyl alcohol		ND	ND	ND	ND
2-Methylphenol		ND	ND	ND	ND
1,2-Dichlorobenzene		ND	ND	ND	ND
bis(2-Chloroisopropyl)ether		ND	ND	ND	ND
3&4-Methylphenol		ND	ND	ND	ND
N-Nitrosopyrrolidine		ND	ND	ND	ND
N-Nitrosodipropylamine		ND	ND	ND	ND
o-Toluidine		ND	ND	ND	ND
Hexachloroethane		ND	ND	ND	ND
Acetophenone		ND	ND	ND	ND
Nitrobenzene		ND	ND	ND	ND
N-Nitrosopiperidine		ND	ND	ND	ND
Isophorone		ND	ND	ND	ND
2-Nitrophenol		ND	ND	ND	ND
2,4-Dimethylphenol		ND	ND	ND	ND
bis(2-Chloroethoxy)methane		ND	ND	ND	ND
2,4-Dichlorophenol		ND	ND	ND	ND
4-Chloroaniline		ND	ND	ND	ND
1,2,4-Trichlorobenzene		ND	ND	ND	ND
Naphthalene		ND	ND	98.59	0.39
2,6-Dichlorophenol		ND	ND	ND	ND
Hexachloropropene		ND	ND	ND	ND
Hexachlorobutadiene		ND	ND	ND	ND
N-Nitrosodibutylamine		ND	ND	ND	ND
4-Chloro-3-methylphenol		ND	ND	ND	ND
Safrole		ND	ND	ND	ND
2-Methylnaphthalene		ND	ND	38.25	0.15
1,2,4,5-Tetrachlorobenzene		ND	ND	ND	ND
2,4,6-Trichlorophenol		ND	ND	ND	ND
Hexachlorocyclopentadiene		ND	ND	ND	ND
2,4,5-Trichlorophenol		ND	ND	ND	ND
2-Nitroaniline		ND	ND	ND	ND
Isosafrole		ND	ND	ND	ND
2-Chloronaphthalene		ND	ND	ND	ND
1,4-Naphthoquinone		ND	ND	ND	ND
Dimethyl phthalate		ND	ND	ND	ND
1,3-Dinitrobenzene		ND	ND	ND	ND
2,6-Dinitrotoluene		ND	ND	ND	ND
3-Nitroaniline		ND	ND	ND	ND
Acenaphthylene		ND	ND	1.21	0.005 U

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatiles Samples - Camden, NJ (CANJ)

2002 Final Data Report

Sample I.D.	25734	25888 - Field Blank		25895		
File I.D.	VOID	ENG3039.D		ENG3050.D		
Date Sampled	02/07/02	02/13/02		02/19/02		
Date Analyzed		03/28/02		03/29/02		
	Actual Vol (m³)	Actual Vol (m³)		Actual Vol (m³)	252.4	
Compound	Final Conc (µg)	Final µg/m³	Final Conc (µg)	Final µg/m³	Final Conc (µg)	Final µg/m³
2,4-Dinitrophenol			ND	ND	ND	ND
4-Nitrophenol			ND	ND	ND	ND
Acenaphthene			ND	ND	1.36	0.01
2,4-Dinitrotoluene			ND	ND	ND	ND
2-Naphthylamine			ND	ND	ND	ND
Dibenzofuran			ND	ND	2.67	0.01
Pentachlorobenzene			ND	ND	ND	ND
1-Naphthylamine			ND	ND	ND	ND
Diethyl phthalate			ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol			ND	ND	ND	ND
4-Nitroaniline			ND	ND	ND	ND
4-Chlorophenyl-phenyl ether			ND	ND	ND	ND
Fluorene			ND	ND	1.75	0.01
5-Nitro-o-toluidine			ND	ND	ND	ND
4,6-Dinitro-2-methylphenol			ND	ND	ND	ND
Diphenylamine			ND	ND	ND	ND
Azobenzene			ND	ND	ND	ND
Phenacetin			ND	ND	ND	ND
Diallate			ND	ND	ND	ND
4-Bromophenyl phenyl ether			ND	ND	ND	ND
4-Aminobiphenyl			ND	ND	ND	ND
Hexachlorobenzene			ND	ND	ND	ND
Pronamide			ND	ND	ND	ND
Pentachlorophenol			ND	ND	ND	ND
Pentachloronitrobenzene			ND	ND	ND	ND
Phenanthrene			ND	ND	3.49	0.01
Dinoseb			ND	ND	ND	ND
Anthracene			ND	ND	ND	ND
Carbazole			ND	ND	ND	ND
Di-n-butyl phthalate			ND	ND	ND	ND
Benzidine			ND	ND	ND	ND
Isodrin			ND	ND	ND	ND
Fluoranthene			ND	ND	0.62	0.002
Pyrene			ND	ND	0.54	0.002
4-Dimethylaminoazobenzene			ND	ND	ND	ND
Chlorobenzilate			ND	ND	ND	ND
3,3'-Dimethylbenzidine			ND	ND	ND	ND
Butyl benzyl phthalate			ND	ND	ND	ND
2-Acetylaminofluorene			ND	ND	ND	ND
3-Methylcholanthrene			ND	ND	ND	ND
3,3'-Dichlorobenzidine			ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate			ND	ND	ND	ND
Benzo(a)anthracene			ND	ND	ND	ND
Chrysene			ND	ND	ND	ND
Di-n-octyl phthalate			ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene			ND	ND	ND	ND
Benzo(b)fluoranthene			ND	ND	ND	ND
Benzo(k)fluoranthene			ND	ND	ND	ND
Benzo(a)pyrene			ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene			ND	ND	ND	ND
Dibenz(a,h)anthracene			ND	ND	ND	ND
Benzo(g,h,i)perylene			ND	ND	ND	ND

D - Dilution
 ND - Not Detected
 U - Under Detection Limit

SemiVolatiles Samples - Camden, NJ (CANJ)

2002 Final Data Report

Sample I.D.	26058		26210		26290	
File I.D.	ENG3053.D		ENG3096.D		ENG3102.D	
Date Sampled	02/25/02		03/03/02		03/09/02	
Date Analyzed	03/29/02		04/11/02		04/11/02	
	Actual Vol (m ³)	242.1	Actual Vol (m ³)	250.0	Actual Vol (m ³)	300.6
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	202.53	0.84	4.34	0.02 U	21.43	0.07
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	137.85	0.57	5.64	0.02 U	21.03	0.07
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	56.61	0.23	ND	ND	6.73	0.02 U
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	1.26	0.01 U	ND	ND	ND	ND

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatiles Samples - Camden, NJ (CANJ)

2002 Final Data Report

Sample I.D.	26058			26210			26290		
File I.D.	ENG3053.D			ENG3096.D			ENG3102.D		
Date Sampled	02/25/02			03/03/02			03/09/02		
Date Analyzed	03/29/02			04/11/02			04/11/02		
	Actual Vol (m ³)	242.1		Actual Vol (m ³)	250.0		Actual Vol (m ³)	300.6	
Compound	Final Conc (µg)	Final µg/m ³		Final Conc (µg)	Final µg/m ³		Final Conc (µg)	Final µg/m ³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	2.60	0.01	U	ND	ND		1.48	0.005	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	4.20	0.02	U	ND	ND		1.63	0.01	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		13.24	0.04	U
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	2.74	0.01	U	ND	ND		0.74	0.002	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	5.23	0.02	U	0.62	0.002	U	1.79	0.01	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	20.53	0.08		8.05	0.03	U	7.28	0.02	U
Benzdine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatiles Samples - Camden, NJ (CANJ)

2002 Final Data Report

Sample I.D.	26350		26434		26540	
File I.D.	ENG3120.D		ENG3132.D		ENG3161.D	
Date Sampled	03/15/02		03/21/02		03/27/02	
Date Analyzed	04/12/02		04/12/02		04/15/02	
	Actual Vol (m ³)	236.3	Actual Vol (m ³)	214.4	Actual Vol (m ³)	219.6

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	25.45	0.11	21.07	0.10	28.47	0.13
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	11.67	0.05	14.72	0.07	19.37	0.09
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	5.46	0.02	5.97	0.03	6.90	0.03
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatiles Samples - Camden, NJ (CANJ)

2002 Final Data Report

Sample I.D.	26350			26434			26540		
File I.D.	ENG3120.D			ENG3132.D			ENG3161.D		
Date Sampled	03/15/02			03/21/02			03/27/02		
Date Analyzed	04/12/02			04/12/02			04/15/02		
	Actual Vol (m ³)	236.3		Actual Vol (m ³)	214.4		Actual Vol (m ³)	219.6	
Compound	Final Conc (µg)	Final µg/m ³		Final Conc (µg)	Final µg/m ³		Final Conc (µg)	Final µg/m ³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	0.69	0.003	U	ND	ND		ND	ND	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	0.97	0.004	U	0.65	0.003	U	1.00	0.005	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	4.82	0.02	U	ND	ND		4.15	0.02	U
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	ND	ND		ND	ND		0.63	0.003	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	1.20	0.01	U	0.93	0.004	U	1.26	0.01	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	5.73	0.02	U	6.12	0.03	U	ND	ND	
Benzdine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatiles Samples - Camden, NJ (CANJ)

2002 Final Data Report

Sample I.D.	26590	26723	26913
File I.D.	ENG3193	ENG3207	ENG3221
Date Sampled	04/02/02	04/08/02	04/14/02
Date Analyzed	05/30/02	05/31/02	05/31/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	203.8	198.5	179.9

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	6.68	0.03 U	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	53.51	0.26	40.10	0.20	64.06	0.36
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	24.83	0.12	27.92	0.14	37.62	0.21
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	11.14	0.05 U	9.62	0.05 U	15.73	0.09 U
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatiles Samples - Camden, NJ (CANJ)

2002 Final Data Report

Sample I.D.	26590			26723			26913		
File I.D.	ENG3193			ENG3207			ENG3221		
Date Sampled	04/02/02			04/08/02			04/14/02		
Date Analyzed	05/30/02			05/31/02			05/31/02		
	Actual Vol (m³)	203.8		Actual Vol (m³)	198.5		Actual Vol (m³)	179.9	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	0.75	0.004	U	ND	ND		2.93	0.02	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	ND	ND		1.34	0.007	U	2.76	0.02	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	ND	ND		ND	ND		1.13	0.006	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallyl	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	ND	ND		ND	ND		4.11	0.02	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		11.43	0.06	U
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatiles Samples - Camden, NJ (CANJ)

2002 Final Data Report

Sample I.D.	27039	27303	27395
File I.D.	ENG3227	ENG3235	ENG3246
Date Sampled	04/20/02	04/26/02	05/02/02
Date Analyzed	06/04/02	06/04/02	06/05/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	181.5	181.3	207.8

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	17.31	0.10	12.65	0.07	ND	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	76.08	0.42	165.59	0.91	24.49	0.12
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	73.53	0.41	117.83	0.65	28.16	0.14
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	31.23	0.17	37.63	0.21	13.82	0.07
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND

U

SemiVolatiles Samples - Camden, NJ (CANJ)

2002 Final Data Report

Sample I.D.	27039			27303			27395	
File I.D.	ENG3227			ENG3235			ENG3246	
Date Sampled	04/20/02			04/26/02			05/02/02	
Date Analyzed	06/04/02			06/04/02			06/05/02	
	Actual Vol (m³)	181.5		Actual Vol (m³)	181.3		Actual Vol (m³)	207.8

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	3.36	0.02	U	2.65	0.01	U	2.59	0.01	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	5.29	0.03	U	2.46	0.01	U	1.96	0.01	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	53.22	0.29		ND	ND		18.66	0.09	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	4.36	0.02	U	1.66	0.01	U	1.36	0.01	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	8.07	0.04	U	2.79	0.02	U	4.84	0.02	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	24.77	0.14		5.90	0.03	U	ND	ND	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	1.08	0.01	U	ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatiles Samples - Camden, NJ (CANJ)

2002 Final Data Report

Sample I.D.	27468	27527
File I.D.	ENG3243	ENG3263
Date Sampled	05/08/02	05/14/02
Date Analyzed	06/05/02	06/29/02
Actual Vol (m ³)	208.7	219.6

Compound	Final Conc (µg)	Final µg/m ³		Final Conc (µg)	Final µg/m ³
N-Nitrosodimethylamine	ND	ND		ND	ND
Pyridine	ND	ND		ND	ND
Ethyl methanesulfonate	ND	ND		ND	ND
2-Picoline	ND	ND		ND	ND
N-Nitrosomethylethylamine	ND	ND		ND	ND
Methyl methanesulfonate	ND	ND		ND	ND
N-Nitrosodiethylamine	ND	ND		ND	ND
Phenol	ND	ND		ND	ND
Pentachloroethane	ND	ND		ND	ND
bis (2-Chloroethyl)ether	ND	ND		ND	ND
Aniline	ND	ND		ND	ND
2-Chlorophenol	ND	ND		ND	ND
1,3-Dichlorobenzene	ND	ND		ND	ND
1,4-Dichlorobenzene	14.58	0.07	U	28.30	0.13
Benzyl alcohol	ND	ND		ND	ND
2-Methylphenol	ND	ND		ND	ND
1,2-Dichlorobenzene	ND	ND		ND	ND
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND
3&4-Methylphenol	ND	ND		ND	ND
N-Nitrosopyrrolidine	ND	ND		ND	ND
N-Nitrosodipropylamine	ND	ND		ND	ND
o-Toluidine	ND	ND		ND	ND
Hexachloroethane	ND	ND		ND	ND
Acetophenone	ND	ND		ND	ND
Nitrobenzene	ND	ND		ND	ND
N-Nitrosopiperidine	ND	ND		ND	ND
Isophorone	ND	ND		ND	ND
2-Nitrophenol	ND	ND		ND	ND
2,4-Dimethylphenol	ND	ND		ND	ND
bis(2-Chloroethoxy)methane	ND	ND		ND	ND
2,4-Dichlorophenol	ND	ND		ND	ND
4-Chloroaniline	ND	ND		ND	ND
1,2,4-Trichlorobenzene	ND	ND		ND	ND
Naphthalene	20.27	0.10		20.53	0.09
2,6-Dichlorophenol	ND	ND		ND	ND
Hexachloropropene	ND	ND		ND	ND
Hexachlorobutadiene	ND	ND		ND	ND
N-Nitrosodibutylamine	ND	ND		ND	ND
4-Chloro-3-methylphenol	ND	ND		ND	ND
Safrole	ND	ND		ND	ND
2-Methylnaphthalene	5.55	0.03	U	5.49	0.02
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND
2,4,6-Trichlorophenol	ND	ND		ND	ND
Hexachlorocyclopentadiene	ND	ND		ND	ND
2,4,5-Trichlorphenol	ND	ND		ND	ND
2-Nitroaniline	ND	ND		ND	ND
Isosafrole	ND	ND		ND	ND
2-Chloronaphthalene	ND	ND		ND	ND
1,4-Naphthoquinone	ND	ND		ND	ND
Dimethyl phthalate	ND	ND		ND	ND
1,3-Dintrobenzene	ND	ND		ND	ND
2,6-Dinitrotoluene	ND	ND		ND	ND
3-Nitroaniline	ND	ND		ND	ND
Acenaphthylene	ND	ND		ND	ND

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatiles Samples - Camden, NJ (CANJ)

2002 Final Data Report

Sample I.D.	27468	27527
File I.D.	ENG3243	ENG3263
Date Sampled	05/08/02	05/14/02
Date Analyzed	06/05/02	06/29/02
Actual Vol (m ³)	208.7	219.6

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND	
Acenaphthene	0.93	0.004	U	0.51	0.002	U
2,4-Dinitrotoluene	ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND	
Dibenzofuran	1.76	0.008	U	0.71	0.003	U
Pentachlorobenzene	ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND	
Fluorene	1.21	0.006	U	ND	ND	
5-Nitro-o-toluidine	ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND	
Diallate	ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND	
Phenanthrene	1.39	0.01	U	1.36	0.01	U
Dinoseb	ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND	
Di-n-butyl phthalate	19.55	0.09		3.06	0.01	U
Benzidine	ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - Chester, NJ (CHNJ)

2002 Final Data Report

Sample I.D.	24965			25031			25191		
File I.D.	ENG2811.D			ENG2818.D			ENG2878.D		
Date Sampled	01/02/02			01/08/02			01/14/02		
Date Analyzed	01/18/02			01/18/02			02/26/02		
	Actual Vol (m ³)	211.9		Actual Vol (m ³)	212.1		Actual Vol (m ³)	221.4	
Compound	Final Conc (µg)	Final µg/m ³		Final Conc (µg)	Final µg/m ³		Final Conc (µg)	Final µg/m ³	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	13.76	0.06	U	ND	ND		15.71	0.07	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	3.05	0.01	U	2.32	0.01	U	4.67	0.02	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	11.68	0.06	U	9.47	0.04	U	21.82	0.10	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	3.23	0.02	U	2.78	0.01	U	6.70	0.03	U
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorphenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dintrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Chester, NJ (CHNJ)

2002 Final Data Report

Sample I.D.	24965			25031			25191		
File I.D.	ENG2811.D			ENG2818.D			ENG2878.D		
Date Sampled	01/02/02			01/08/02			01/14/02		
Date Analyzed	01/18/02			01/18/02			02/26/02		
	Actual Vol (m³)	211.9		Actual Vol (m³)	212.1		Actual Vol (m³)	221.4	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	ND	ND		ND	ND		0.25	0.001	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	ND	ND		ND	ND		0.85	0.004	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	0.21	0.001	U	0.16	0.001	U	ND	ND	
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	ND	ND		ND	ND		ND	ND	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND	
Benzydine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
 ND - Not Detected
 U - Under Detection Limit

SemiVolatile Samples - Chester, NJ (CHNJ)

2002 Final Data Report

Sample I.D.	25333		25460		25611	
File I.D.	ENG2883.D		ENG2942.D		ENG2920.D	
Date Sampled	01/20/02		01/26/02		02/01/02	
Date Analyzed	02/26/02		03/01/02		02/28/02	
	Actual Vol (m³)	238.3	Actual Vol (m³)	235.3	Actual Vol (m³)	244.3

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	19.44	0.08		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	8.27	0.03	U	4.46	0.02	U	18.47	0.08	
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	23.81	0.10		17.18	0.07		22.72	0.09	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	6.07	0.03	U	4.99	0.02	U	10.08	0.04	U
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Chester, NJ (CHNJ)

2002 Final Data Report

Sample I.D.	25333			25460			25611		
File I.D.	ENG2883.D			ENG2942.D			ENG2920.D		
Date Sampled	01/20/02			01/26/02			02/01/02		
Date Analyzed	02/26/02			03/01/02			02/28/02		
	Actual Vol (m ³)	238.3		Actual Vol (m ³)	235.3		Actual Vol (m ³)	244.3	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	ND	ND		ND	ND		0.34	0.001	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	1.05	0.004	U	0.89	0.004	U	0.69	0.003	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	0.70	0.003	U	0.68	0.003	U	0.69	0.003	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	0.86	0.004	U	ND	ND		ND	ND	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND	
Benzydine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Chester, NJ (CHNJ)

2002 Final Data Report

Sample I.D.	25710			25889		25893
File I.D.	ENG2930.D			VOID		ENG3048.D
Date Sampled	02/07/02			02/13/02		02/19/02
Date Analyzed	02/28/02					03/29/02
	Actual Vol (m ³)	240.5		Actual Vol (m ³)		Actual Vol (m ³) 228.2
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND	
Phenol	21.86	0.09		ND	ND	
Pentachloroethane	ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND	
Aniline	ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND	
1,4-Dichlorobenzene	6.56	0.03	U	9.86	0.04	U
Benzyl alcohol	ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND	
Naphthalene	32.34	0.13		23.59	0.10	
2,6-Dichlorophenol	ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND	
Safrole	ND	ND		ND	ND	
2-Methylnaphthalene	ND	ND		8.34	0.04	U
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND	
Acenaphthylene	ND	ND		ND	ND	

D - Dilution
 ND - Not Detected
 U - Under Detection Limit

SemiVolatile Samples - Chester, NJ (CHNJ)

2002 Final Data Report

Sample I.D.	25710			25889			25893
File I.D.	ENG2930.D			VOID			ENG3048.D
Date Sampled	02/07/02			02/13/02			02/19/02
Date Analyzed	02/28/02						03/29/02
	Actual Vol (m³)	240.5		Actual Vol (m³)			Actual Vol (m³)
							228.2
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)
							Final µg/m³
2,4-Dinitrophenol	ND	ND					ND
4-Nitrophenol	ND	ND					ND
Acenaphthene	ND	ND					0.46
2,4-Dinitrotoluene	ND	ND					0.002
2-Naphthylamine	ND	ND					ND
Dibenzofuran	1.34	0.01	U				ND
Pentachlorobenzene	ND	ND					1.06
1-Naphthylamine	ND	ND					0.005
Diethyl phthalate	ND	ND					ND
2,3,4,6-Tetrachlorophenol	ND	ND					ND
4-Nitroaniline	ND	ND					ND
4-Chlorophenyl-phenyl ether	ND	ND					ND
Fluorene	0.88	0.004	U				ND
5-Nitro-o-toluidine	ND	ND					0.64
4,6-Dinitro-2-methylphenol	ND	ND					0.003
Diphenylamine	ND	ND					ND
Azobenzene	ND	ND					ND
Phenacetin	ND	ND					ND
Diallate	ND	ND					ND
4-Bromophenyl phenyl ether	ND	ND					ND
4-Aminobiphenyl	ND	ND					ND
Hexachlorobenzene	ND	ND					ND
Pronamide	ND	ND					ND
Pentachlorophenol	ND	ND					ND
Pentachloronitrobenzene	ND	ND					ND
Phenanthrene	1.52	0.01	U				0.94
Dinoseb	ND	ND					0.004
Anthracene	ND	ND					ND
Carbazole	ND	ND					ND
Di-n-butyl phthalate	ND	ND					ND
Benzidine	ND	ND					ND
Isodrin	ND	ND					ND
Fluoranthene	ND	ND					ND
Pyrene	ND	ND					ND
4-Dimethylaminoazobenzene	ND	ND					ND
Chlorobenzilate	ND	ND					ND
3,3'-Dimethylbenzidine	ND	ND					ND
Butyl benzyl phthalate	ND	ND					ND
2-Acetylaminofluorene	ND	ND					ND
3-Methylcholanthrene	ND	ND					ND
3,3'-Dichlorobenzidine	ND	ND					ND
bis(2-Ethylhexyl)phthalate	ND	ND					ND
Benzo(a)anthracene	ND	ND					ND
Chrysene	ND	ND					ND
Di-n-octyl phthalate	ND	ND					ND
7,12-Dimethylbenz(a)anthracene	ND	ND					ND
Benzo(b)fluoranthene	ND	ND					ND
Benzo(k)fluoranthene	ND	ND					ND
Benzo(a)pyrene	ND	ND					ND
Indeno(1,2,3-cd)pyrene	ND	ND					ND
Dibenz(a,h)anthracene	ND	ND					ND
Benzo(g,h,i)perylene	ND	ND					ND

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Chester, NJ (CHNJ)

2002 Final Data Report

Sample I.D.	26060	26211	26289			
File I.D.	VOID	VOID	ENG3100.D			
Date Sampled	02/25/02	03/03/02	03/09/02			
Date Analyzed			04/11/02			
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)	253.4		
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine					ND	ND
Pyridine					ND	ND
Ethyl methanesulfonate					ND	ND
2-Picoline					ND	ND
N-Nitrosomethylethylamine					ND	ND
Methyl methanesulfonate					ND	ND
N-Nitrosodiethylamine					ND	ND
Phenol					ND	ND
Pentachloroethane					ND	ND
bis (2-Chloroethyl)ether					ND	ND
Aniline					ND	ND
2-Chlorophenol					ND	ND
1,3-Dichlorobenzene					ND	ND
1,4-Dichlorobenzene					15.42	0.06 U
Benzyl alcohol					ND	ND
2-Methylphenol					ND	ND
1,2-Dichlorobenzene					ND	ND
bis(2-Chloroisopropyl)ether					ND	ND
3&4-Methylphenol					ND	ND
N-Nitrosopyrrolidine					ND	ND
N-Nitrosodipropylamine					ND	ND
o-Toluidine					ND	ND
Hexachloroethane					ND	ND
Acetophenone					ND	ND
Nitrobenzene					ND	ND
N-Nitrosopiperidine					ND	ND
Isophorone					ND	ND
2-Nitrophenol					ND	ND
2,4-Dimethylphenol					ND	ND
bis(2-Chloroethoxy)methane					ND	ND
2,4-Dichlorophenol					ND	ND
4-Chloroaniline					ND	ND
1,2,4-Trichlorobenzene					ND	ND
Naphthalene					9.87	0.04 U
2,6-Dichlorophenol					ND	ND
Hexachloropropene					ND	ND
Hexachlorobutadiene					ND	ND
N-Nitrosodibutylamine					ND	ND
4-Chloro-3-methylphenol					ND	ND
Safrole					ND	ND
2-Methylnaphthalene					4.54	0.02 U
1,2,4,5-Tetrachlorobenzene					ND	ND
2,4,6-Trichlorophenol					ND	ND
Hexachlorocyclopentadiene					ND	ND
2,4,5-Trichlorophenol					ND	ND
2-Nitroaniline					ND	ND
Isosafrole					ND	ND
2-Chloronaphthalene					ND	ND
1,4-Naphthoquinone					ND	ND
Dimethyl phthalate					ND	ND
1,3-Dinitrobenzene					ND	ND
2,6-Dinitrotoluene					ND	ND
3-Nitroaniline					ND	ND
Acenaphthylene					ND	ND

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Chester, NJ (CHNJ)

2002 Final Data Report

Sample I.D.	26060	26211	26289	
File I.D.	VOID	VOID	ENG3100.D	
Date Sampled	02/25/02	03/03/02	03/09/02	
Date Analyzed			04/11/02	
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)	253.4
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
2,4-Dinitrophenol			ND	ND
4-Nitrophenol			ND	ND
Acenaphthene			0.44	0.002 U
2,4-Dinitrotoluene			ND	ND
2-Naphthylamine			ND	ND
Dibenzofuran			0.61	0.002 U
Pentachlorobenzene			ND	ND
1-Naphthylamine			ND	ND
Diethyl phthalate			ND	ND
2,3,4,6-Tetrachlorophenol			ND	ND
4-Nitroaniline			ND	ND
4-Chlorophenyl-phenyl ether			ND	ND
Fluorene			0.38	0.002 U
5-Nitro-o-toluidine			ND	ND
4,6-Dinitro-2-methylphenol			ND	ND
Diphenylamine			ND	ND
Azobenzene			ND	ND
Phenacetin			ND	ND
Diallate			ND	ND
4-Bromophenyl phenyl ether			ND	ND
4-Aminobiphenyl			ND	ND
Hexachlorobenzene			ND	ND
Pronamide			ND	ND
Pentachlorophenol			ND	ND
Pentachloronitrobenzene			ND	ND
Phenanthrene			0.63	0.002 U
Dinoseb			ND	ND
Anthracene			ND	ND
Carbazole			ND	ND
Di-n-butyl phthalate			ND	ND
Benzydine			ND	ND
Isodrin			ND	ND
Fluoranthene			ND	ND
Pyrene			ND	ND
4-Dimethylaminoazobenzene			ND	ND
Chlorobenzilate			ND	ND
3,3'-Dimethylbenzidine			ND	ND
Butyl benzyl phthalate			ND	ND
2-Acetylaminofluorene			ND	ND
3-Methylcholanthrene			ND	ND
3,3'-Dichlorobenzidine			ND	ND
bis(2-Ethylhexyl)phthalate			ND	ND
Benzo(a)anthracene			ND	ND
Chrysene			ND	ND
Di-n-octyl phthalate			ND	ND
7,12-Dimethylbenz(a)anthracene			ND	ND
Benzo(b)fluoranthene			ND	ND
Benzo(k)fluoranthene			ND	ND
Benzo(a)pyrene			ND	ND
Indeno(1,2,3-cd)pyrene			ND	ND
Dibenz(a,h)anthracene			ND	ND
Benzo(g,h,i)perylene			ND	ND

D - Dilution
 ND - Not Detected
 U - Under Detection Limit

SemiVolatile Samples - Chester, NJ (CHNJ)

2002 Final Data Report

Sample I.D.	26351			26436			26539	
File I.D.	ENG3121.D			ENG3128.D			ENG3160.D	
Date Sampled	03/15/02			03/21/02			03/27/02	
Date Analyzed	04/12/02			04/12/02			04/15/02	
	Actual Vol (m³)	256.8		Actual Vol (m³)	258.7		Actual Vol (m³)	247.2

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	ND	ND		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	11.71	0.05	U	2.17	0.01	U	4.78	0.02	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	10.88	0.04	U	3.67	0.01	U	7.29	0.03	U
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	3.61	0.01	U	0.87	0.003	U	ND	ND	
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Chester, NJ (CHNJ)

2002 Final Data Report

Sample I.D.	26351		26436		26539	
File I.D.	ENG3121.D		ENG3128.D		ENG3160.D	
Date Sampled	03/15/02		03/21/02		03/27/02	
Date Analyzed	04/12/02		04/12/02		04/15/02	
	Actual Vol (m³)	256.8	Actual Vol (m³)	258.7	Actual Vol (m³)	247.2
Compound	Final Conc (µg)	Final µg/m³	Final Conc (µg)	Final µg/m³	Final Conc (µg)	Final µg/m³
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	0.19	0.001
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	0.88	0.003	ND	ND	0.51	0.002
Pentachlorobenzene	ND	ND	ND	ND	ND	ND
1-Naphthylamine	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND
Fluorene	0.73	0.003	ND	ND	ND	ND
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND
Diallate	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND
Phenanthrene	0.77	0.003	ND	ND	ND	ND
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	4.54	0.02	ND	ND	ND	ND
Benzdine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Chester, NJ (CHNJ)

2002 Final Data Report

Sample I.D.	26592		26721		26911	
File I.D.	ENG3197		ENG3205		ENG3219	
Date Sampled	04/02/02		04/08/02		04/14/02	
Date Analyzed	05/30/02		05/31/02		05/31/02	
	Actual Vol (m³)	230.0	Actual Vol (m³)	214.6	Actual Vol (m³)	213.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	ND	ND		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	5.32	0.02	U	3.97	0.02	U	4.64	0.02	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	5.73	0.02	U	8.13	0.04	U	7.28	0.03	U
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	2.00	0.01	U	2.80	0.01	U	2.74	0.01	U
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	ND	ND		ND	ND		ND	ND	

D - Dilution
 ND - Not Detected
 U - Under Detection Limit

SemiVolatile Samples - Chester, NJ (CHNJ)

2002 Final Data Report

Sample I.D.	26592		26721		26911	
File I.D.	ENG3197		ENG3205		ENG3219	
Date Sampled	04/02/02		04/08/02		04/14/02	
Date Analyzed	05/30/02		05/31/02		05/31/02	
	Actual Vol (m ³)	230.0	Actual Vol (m ³)	214.6	Actual Vol (m ³)	213.0
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	ND	ND	ND	ND	1.16	0.005 U
Pentachlorobenzene	ND	ND	ND	ND	ND	ND
1-Naphthylamine	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	1.01	0.005 U
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND
Diallyl	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	1.36	0.01 U
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	ND	ND	ND	ND	8.30	0.04 U
Benzidine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Chester, NJ (CHNJ)

2002 Final Data Report

Sample I.D.	27040	27302	27469
File I.D.	ENG3228	ENG3234	ENG3249
Date Sampled	04/20/02	04/26/02	05/02/02
Date Analyzed	06/04/02	06/04/02	06/05/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	204.9	253.2	262.9

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3.54	0.02	ND	ND	40.85	0.16
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	9.92	0.05	6.62	0.03	52.65	0.20
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	4.36	0.02	2.60	0.01	21.39	0.08
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Chester, NJ (CHNJ)

2002 Final Data Report

Sample I.D.	27040		27302		27469	
File I.D.	ENG3228		ENG3234		ENG3249	
Date Sampled	04/20/02		04/26/02		05/02/02	
Date Analyzed	06/04/02		06/04/02		06/05/02	
	Actual Vol (m ³)	204.9	Actual Vol (m ³)	253.2	Actual Vol (m ³)	262.9
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	1.36	0.01 U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	ND	ND	ND	ND	2.09	0.008 U
Pentachlorobenzene	ND	ND	ND	ND	ND	ND
1-Naphthylamine	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	1.69	0.006 U
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND
Diallyl	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND
Phenanthrene	0.51	0.002 U	ND	ND	3.21	0.01 U
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	ND	ND	ND	ND	13.38	0.05 U
Benzidine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND

D - Dilution
 ND - Not Detected
 U - Under Detection Limit

SemiVolatile Samples - Chester, NJ (CHNJ)

2002 Final Data Report

Sample I.D.	27469	27526
File I.D.	ENG3244	ENG3262
Date Sampled	05/08/02	05/14/02
Date Analyzed	06/05/02	06/28/02
Actual Vol (m ³)	201.4	Actual Vol (m ³) 250.2

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND	ND	ND	
Pyridine	ND	ND	ND	ND	
Ethyl methanesulfonate	ND	ND	ND	ND	
2-Picoline	ND	ND	ND	ND	
N-Nitrosomethylethylamine	ND	ND	ND	ND	
Methyl methanesulfonate	ND	ND	ND	ND	
N-Nitrosodiethylamine	ND	ND	ND	ND	
Phenol	ND	ND	ND	ND	
Pentachloroethane	ND	ND	ND	ND	
bis (2-Chloroethyl)ether	ND	ND	ND	ND	
Aniline	ND	ND	ND	ND	
2-Chlorophenol	ND	ND	ND	ND	
1,3-Dichlorobenzene	ND	ND	ND	ND	
1,4-Dichlorobenzene	35.26	0.18	3.40	0.01	U
Benzyl alcohol	ND	ND	ND	ND	
2-Methylphenol	ND	ND	ND	ND	
1,2-Dichlorobenzene	ND	ND	ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	
3&4-Methylphenol	ND	ND	ND	ND	
N-Nitrosopyrrolidine	ND	ND	ND	ND	
N-Nitrosodipropylamine	ND	ND	ND	ND	
o-Toluidine	ND	ND	ND	ND	
Hexachloroethane	ND	ND	ND	ND	
Acetophenone	ND	ND	ND	ND	
Nitrobenzene	ND	ND	ND	ND	
N-Nitrosopiperidine	ND	ND	ND	ND	
Isophorone	ND	ND	ND	ND	
2-Nitrophenol	ND	ND	ND	ND	
2,4-Dimethylphenol	ND	ND	ND	ND	
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	
2,4-Dichlorophenol	ND	ND	ND	ND	
4-Chloroaniline	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	ND	ND	ND	ND	
Naphthalene	28.30	0.14	6.44	0.03	U
2,6-Dichlorophenol	ND	ND	ND	ND	
Hexachloropropene	ND	ND	ND	ND	
Hexachlorobutadiene	ND	ND	ND	ND	
N-Nitrosodibutylamine	ND	ND	ND	ND	
4-Chloro-3-methylphenol	ND	ND	ND	ND	
Safrole	ND	ND	ND	ND	
2-Methylnaphthalene	11.79	0.06	2.30	0.01	U
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	
2,4,6-Trichlorophenol	ND	ND	ND	ND	
Hexachlorocyclopentadiene	ND	ND	ND	ND	
2,4,5-Trichlorophenol	ND	ND	ND	ND	
2-Nitroaniline	ND	ND	ND	ND	
Isosafrole	ND	ND	ND	ND	
2-Chloronaphthalene	ND	ND	ND	ND	
1,4-Naphthoquinone	ND	ND	ND	ND	
Dimethyl phthalate	ND	ND	ND	ND	
1,3-Dinitrobenzene	ND	ND	ND	ND	
2,6-Dinitrotoluene	ND	ND	ND	ND	
3-Nitroaniline	ND	ND	ND	ND	
Acenaphthylene	ND	ND	ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - Chester, NJ (CHNJ)

2002 Final Data Report

Sample I.D.	27469		27526	
File I.D.	ENG3244		ENG3262	
Date Sampled	05/08/02		05/14/02	
Date Analyzed	06/05/02		06/28/02	
	Actual Vol (m ³)	201.4	Actual Vol (m ³)	250.2

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
2,4-Dinitrophenol	ND	ND		ND	ND
4-Nitrophenol	ND	ND		ND	ND
Acenaphthene	1.91	0.009	U	ND	ND
2,4-Dinitrotoluene	ND	ND		ND	ND
2-Naphthylamine	ND	ND		ND	ND
Dibenzofuran	2.14	0.01	U	ND	ND
Pentachlorobenzene	ND	ND		ND	ND
1-Naphthylamine	ND	ND		ND	ND
Diethyl phthalate	ND	ND		ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND
4-Nitroaniline	ND	ND		ND	ND
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND
Fluorene	1.96	0.01	U	ND	ND
5-Nitro-o-toluidine	ND	ND		ND	ND
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND
Diphenylamine	ND	ND		ND	ND
Azobenzene	ND	ND		ND	ND
Phenacetin	ND	ND		ND	ND
Diallyl	ND	ND		ND	ND
4-Bromophenyl phenyl ether	ND	ND		ND	ND
4-Aminobiphenyl	ND	ND		ND	ND
Hexachlorobenzene	ND	ND		ND	ND
Pronamide	ND	ND		ND	ND
Pentachlorophenol	ND	ND		ND	ND
Pentachloronitrobenzene	ND	ND		ND	ND
Phenanthrene	2.94	0.01	U	ND	ND
Dinoseb	ND	ND		ND	ND
Anthracene	ND	ND		ND	ND
Carbazole	ND	ND		ND	ND
Di-n-butyl phthalate	13.55	0.07	U	ND	ND
Benzidine	ND	ND		ND	ND
Isodrin	ND	ND		ND	ND
Fluoranthene	ND	ND		ND	ND
Pyrene	ND	ND		ND	ND
4-Dimethylaminoazobenzene	ND	ND		ND	ND
Chlorobenzilate	ND	ND		ND	ND
3,3'-Dimethylbenzidine	ND	ND		ND	ND
Butyl benzyl phthalate	ND	ND		ND	ND
2-Acetylaminofluorene	ND	ND		ND	ND
3-Methylcholanthrene	ND	ND		ND	ND
3,3'-Dichlorobenzidine	ND	ND		ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND
Benzo(a)anthracene	ND	ND		ND	ND
Chrysene	ND	ND		ND	ND
Di-n-octyl phthalate	ND	ND		ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND
Benzo(b)fluoranthene	ND	ND		ND	ND
Benzo(k)fluoranthene	ND	ND		ND	ND
Benzo(a)pyrene	ND	ND		ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND
Dibenz(a,h)anthracene	ND	ND		ND	ND
Benzo(g,h,i)perylene	ND	ND		ND	ND

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

2002 Final Data Report

Sample I.D.	24954	25049	25185
File I.D.	ENG2805.D	ENG2842.D	VOID
Date Sampled	01/02/02	01/08/02	01/14/02
Date Analyzed	01/18/02	02/03/02	
	Actual Vol (m ³)	254.0	Actual Vol (m ³) 224.9
			Actual Vol (m ³)

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND	ND	ND		
Pyridine	ND	ND	ND	ND		
Ethyl methanesulfonate	ND	ND	ND	ND		
2-Picoline	ND	ND	ND	ND		
N-Nitrosomethylethylamine	ND	ND	ND	ND		
Methyl methanesulfonate	ND	ND	ND	ND		
N-Nitrosodiethylamine	ND	ND	ND	ND		
Phenol	22.37	0.09	U	48.72	0.22	
Pentachloroethane	ND	ND	ND	ND		
bis (2-Chloroethyl)ether	ND	ND	ND	ND		
Aniline	ND	ND	ND	ND		
2-Chlorophenol	ND	ND	ND	ND		
1,3-Dichlorobenzene	ND	ND	ND	ND		
1,4-Dichlorobenzene	18.34	0.07		4.52	0.02	U
Benzyl alcohol	ND	ND	ND	ND		
2-Methylphenol	ND	ND	ND	ND		
1,2-Dichlorobenzene	ND	ND	ND	ND		
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND		
3&4-Methylphenol	ND	ND	ND	ND		
N-Nitrosopyrrolidine	ND	ND	ND	ND		
N-Nitrosodipropylamine	ND	ND	ND	ND		
o-Toluidine	ND	ND	ND	ND		
Hexachloroethane	ND	ND	ND	ND		
Acetophenone	ND	ND	ND	ND		
Nitrobenzene	ND	ND	ND	ND		
N-Nitrosopiperidine	ND	ND	ND	ND		
Isophorone	ND	ND	ND	ND		
2-Nitrophenol	ND	ND	ND	ND		
2,4-Dimethylphenol	ND	ND	ND	ND		
bis(2-Chloroethoxy)methane	ND	ND	ND	ND		
2,4-Dichlorophenol	ND	ND	ND	ND		
4-Chloroaniline	ND	ND	ND	ND		
1,2,4-Trichlorobenzene	ND	ND	ND	ND		
Naphthalene	95.87	0.38		37.32	0.17	
2,6-Dichlorophenol	ND	ND	ND	ND		
Hexachloropropene	ND	ND	ND	ND		
Hexachlorobutadiene	ND	ND	ND	ND		
N-Nitrosodibutylamine	ND	ND	ND	ND		
4-Chloro-3-methylphenol	ND	ND	ND	ND		
Safrole	ND	ND	ND	ND		
2-Methylnaphthalene	66.10	0.26		24.82	0.11	
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND		
2,4,6-Trichlorophenol	ND	ND	ND	ND		
Hexachlorocyclopentadiene	ND	ND	ND	ND		
2,4,5-Trichlorophenol	ND	ND	ND	ND		
2-Nitroaniline	ND	ND	ND	ND		
Isosafrole	ND	ND	ND	ND		
2-Chloronaphthalene	ND	ND	ND	ND		
1,4-Naphthoquinone	ND	ND	ND	ND		
Dimethyl phthalate	ND	ND	ND	ND		
1,3-Dinitrobenzene	ND	ND	ND	ND		
2,6-Dinitrotoluene	ND	ND	ND	ND		
3-Nitroaniline	ND	ND	ND	ND		
Acenaphthylene	2.25	0.01	U	ND	ND	

D - Dilution
 ND - Not Detected
 U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

2002 Final Data Report

Sample I.D.	24954	25049	25185
File I.D.	ENG2805.D	ENG2842.D	VOID
Date Sampled	01/02/02	01/08/02	01/14/02
Date Analyzed	01/18/02	02/03/02	
	Actual Vol (m ³)	254.0	Actual Vol (m ³) 224.9

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
2,4-Dinitrophenol	ND	ND		ND	ND			
4-Nitrophenol	ND	ND		ND	ND			
Acenaphthene	1.99	0.01	U	1.58	0.01	U		
2,4-Dinitrotoluene	ND	ND		ND	ND			
2-Naphthylamine	ND	ND		ND	ND			
Dibenzofuran	3.39	0.01	U	2.21	0.01	U		
Pentachlorobenzene	ND	ND		ND	ND			
1-Naphthylamine	ND	ND		ND	ND			
Diethyl phthalate	ND	ND		ND	ND			
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND			
4-Nitroaniline	ND	ND		ND	ND			
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND			
Fluorene	4.50	0.02	U	1.90	0.01	U		
5-Nitro-o-toluidine	ND	ND		ND	ND			
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND			
Diphenylamine	ND	ND		ND	ND			
Azobenzene	ND	ND		ND	ND			
Phenacetin	ND	ND		ND	ND			
Diallyl	ND	ND		ND	ND			
4-Bromophenyl phenyl ether	ND	ND		ND	ND			
4-Aminobiphenyl	ND	ND		ND	ND			
Hexachlorobenzene	ND	ND		ND	ND			
Pronamide	ND	ND		ND	ND			
Pentachlorophenol	ND	ND		ND	ND			
Pentachloronitrobenzene	ND	ND		ND	ND			
Phenanthrene	8.97	0.04	U	4.73	0.02	U		
Dinoseb	ND	ND		ND	ND			
Anthracene	0.54	0.002	U	ND	ND			
Carbazole	ND	ND		ND	ND			
Di-n-butyl phthalate	28.00	0.11		28.89	0.13			
Benzidine	ND	ND		ND	ND			
Isodrin	ND	ND		ND	ND			
Fluoranthene	ND	ND		ND	ND			
Pyrene	ND	ND		ND	ND			
4-Dimethylaminoazobenzene	ND	ND		ND	ND			
Chlorobenzilate	ND	ND		ND	ND			
3,3'-Dimethylbenzidine	ND	ND		ND	ND			
Butyl benzyl phthalate	ND	ND		ND	ND			
2-Acetylaminofluorene	ND	ND		ND	ND			
3-Methylcholanthrene	ND	ND		ND	ND			
3,3'-Dichlorobenzidine	ND	ND		ND	ND			
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND			
Benzo(a)anthracene	ND	ND		ND	ND			
Chrysene	ND	ND		ND	ND			
Di-n-octyl phthalate	ND	ND		ND	ND			
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND			
Benzo(b)fluoranthene	ND	ND		ND	ND			
Benzo(k)fluoranthene	ND	ND		ND	ND			
Benzo(a)pyrene	ND	ND		ND	ND			
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND			
Dibenz(a,h)anthracene	ND	ND		ND	ND			
Benzo(g,h,i)perylene	ND	ND		ND	ND			

D - Dilution
 ND - Not Detected
 U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

2002 Final Data Report

Sample I.D.	25295	25419	25545
File I.D.	ENG2897.D	ENG2901.D	VOID
Date Sampled	01/20/02	01/26/02	02/01/02
Date Analyzed	02/27/02	02/27/02	
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	247.6	265.0	

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND		ND	ND			
Pyridine	ND	ND		ND	ND			
Ethyl methanesulfonate	ND	ND		ND	ND			
2-Picoline	ND	ND		ND	ND			
N-Nitrosomethylethylamine	ND	ND		ND	ND			
Methyl methanesulfonate	ND	ND		ND	ND			
N-Nitrosodiethylamine	ND	ND		ND	ND			
Phenol	48.71	0.20		42.67	0.16			
Pentachloroethane	ND	ND		ND	ND			
bis (2-Chloroethyl)ether	ND	ND		ND	ND			
Aniline	ND	ND		ND	ND			
2-Chlorophenol	ND	ND		ND	ND			
1,3-Dichlorobenzene	ND	ND		ND	ND			
1,4-Dichlorobenzene	5.71	0.02	U	6.25	0.02	U		
Benzyl alcohol	ND	ND		ND	ND			
2-Methylphenol	ND	ND		2.52	0.01	U		
1,2-Dichlorobenzene	ND	ND		ND	ND			
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND			
3&4-Methylphenol	3.55	0.01	U	3.49	0.01	U		
N-Nitrosopyrrolidine	ND	ND		ND	ND			
N-Nitrosodipropylamine	ND	ND		ND	ND			
o-Toluidine	ND	ND		ND	ND			
Hexachloroethane	ND	ND		ND	ND			
Acetophenone	ND	ND		ND	ND			
Nitrobenzene	ND	ND		ND	ND			
N-Nitrosopiperidine	ND	ND		ND	ND			
Isophorone	ND	ND		ND	ND			
2-Nitrophenol	ND	ND		ND	ND			
2,4-Dimethylphenol	ND	ND		ND	ND			
bis(2-Chloroethoxy)methane	ND	ND		ND	ND			
2,4-Dichlorophenol	ND	ND		ND	ND			
4-Chloroaniline	ND	ND		ND	ND			
1,2,4-Trichlorobenzene	ND	ND		ND	ND			
Naphthalene	49.04	0.20		47.66	0.18			
2,6-Dichlorophenol	ND	ND		ND	ND			
Hexachloropropene	ND	ND		ND	ND			
Hexachlorobutadiene	ND	ND		ND	ND			
N-Nitrosodibutylamine	ND	ND		ND	ND			
4-Chloro-3-methylphenol	ND	ND		ND	ND			
Safrole	ND	ND		ND	ND			
2-Methylnaphthalene	32.53	0.13		25.72	0.10			
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND			
2,4,6-Trichlorophenol	ND	ND		ND	ND			
Hexachlorocyclopentadiene	ND	ND		ND	ND			
2,4,5-Trichlorophenol	ND	ND		ND	ND			
2-Nitroaniline	ND	ND		ND	ND			
Isosafrole	ND	ND		ND	ND			
2-Chloronaphthalene	ND	ND		ND	ND			
1,4-Naphthoquinone	ND	ND		ND	ND			
Dimethyl phthalate	ND	ND		ND	ND			
1,3-Dinitrobenzene	ND	ND		ND	ND			
2,6-Dinitrotoluene	ND	ND		ND	ND			
3-Nitroaniline	ND	ND		ND	ND			
Acenaphthylene	1.27	0.01	U	0.84	0.003	U		

D - Dilution
 ND - Not Detected
 U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

2002 Final Data Report

Sample I.D.	25295			25419		25545
File I.D.	ENG2897.D			ENG2901.D		VOID
Date Sampled	01/20/02			01/26/02		02/01/02
Date Analyzed	02/27/02			02/27/02		
	Actual Vol (m ³)	247.6		Actual Vol (m ³)	265.0	Actual Vol (m ³)

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
2,4-Dinitrophenol	ND	ND		ND	ND			
4-Nitrophenol	ND	ND		ND	ND			
Acenaphthene	2.87	0.01	U	3.39	0.01	U		
2,4-Dinitrotoluene	ND	ND		ND	ND			
2-Naphthylamine	ND	ND		ND	ND			
Dibenzofuran	3.89	0.02	U	ND	ND			
Pentachlorobenzene	ND	ND		ND	ND			
1-Naphthylamine	ND	ND		ND	ND			
Diethyl phthalate	ND	ND		ND	ND			
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND			
4-Nitroaniline	ND	ND		ND	ND			
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND			
Fluorene	3.21	0.01	U	2.57	0.01	U		
5-Nitro-o-toluidine	ND	ND		ND	ND			
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND			
Diphenylamine	ND	ND		ND	ND			
Azobenzene	ND	ND		ND	ND			
Phenacetin	ND	ND		ND	ND			
Diallyl	ND	ND		ND	ND			
4-Bromophenyl phenyl ether	ND	ND		ND	ND			
4-Aminobiphenyl	ND	ND		ND	ND			
Hexachlorobenzene	ND	ND		ND	ND			
Pronamide	ND	ND		ND	ND			
Pentachlorophenol	ND	ND		ND	ND			
Pentachloronitrobenzene	ND	ND		ND	ND			
Phenanthrene	6.42	0.03	U	5.17	0.02	U		
Dinoseb	ND	ND		ND	ND			
Anthracene	ND	ND		ND	ND			
Carbazole	ND	ND		ND	ND			
Di-n-butyl phthalate	28.91	0.12		24.39	0.09			
Benzidine	ND	ND		ND	ND			
Isodrin	ND	ND		ND	ND			
Fluoranthene	ND	ND		ND	ND			
Pyrene	ND	ND		ND	ND			
4-Dimethylaminoazobenzene	ND	ND		ND	ND			
Chlorobenzilate	ND	ND		ND	ND			
3,3'-Dimethylbenzidine	ND	ND		ND	ND			
Butyl benzyl phthalate	ND	ND		ND	ND			
2-Acetylaminofluorene	ND	ND		ND	ND			
3-Methylcholanthrene	ND	ND		ND	ND			
3,3'-Dichlorobenzidine	ND	ND		ND	ND			
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND			
Benzo(a)anthracene	ND	ND		ND	ND			
Chrysene	ND	ND		ND	ND			
Di-n-octyl phthalate	ND	ND		ND	ND			
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND			
Benzo(b)fluoranthene	ND	ND		ND	ND			
Benzo(k)fluoranthene	ND	ND		ND	ND			
Benzo(a)pyrene	ND	ND		ND	ND			
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND			
Dibenz(a,h)anthracene	ND	ND		ND	ND			
Benzo(g,h,i)perylene	ND	ND		ND	ND			

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

2002 Final Data Report

Sample I.D.	25661	25718	25843
File I.D.	ENG2924.D	VOID	VOID
Date Sampled	02/07/02	02/13/02	02/19/02
Date Analyzed	02/28/02		
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	291.3		

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND				
Pyridine	ND	ND				
Ethyl methanesulfonate	ND	ND				
2-Picoline	ND	ND				
N-Nitrosomethylethylamine	ND	ND				
Methyl methanesulfonate	ND	ND				
N-Nitrosodiethylamine	ND	ND				
Phenol	ND	ND				
Pentachloroethane	ND	ND				
bis (2-Chloroethyl)ether	ND	ND				
Aniline	ND	ND				
2-Chlorophenol	ND	ND				
1,3-Dichlorobenzene	ND	ND				
1,4-Dichlorobenzene	11.55	0.04	U			
Benzyl alcohol	ND	ND				
2-Methylphenol	ND	ND				
1,2-Dichlorobenzene	ND	ND				
bis(2-Chloroisopropyl)ether	ND	ND				
3&4-Methylphenol	ND	ND				
N-Nitrosopyrrolidine	ND	ND				
N-Nitrosodipropylamine	ND	ND				
o-Toluidine	ND	ND				
Hexachloroethane	ND	ND				
Acetophenone	ND	ND				
Nitrobenzene	ND	ND				
N-Nitrosopiperidine	ND	ND				
Isophorone	ND	ND				
2-Nitrophenol	ND	ND				
2,4-Dimethylphenol	ND	ND				
bis(2-Chloroethoxy)methane	ND	ND				
2,4-Dichlorophenol	ND	ND				
4-Chloroaniline	ND	ND				
1,2,4-Trichlorobenzene	ND	ND				
Naphthalene	65.49	0.22				
2,6-Dichlorophenol	ND	ND				
Hexachloropropene	ND	ND				
Hexachlorobutadiene	ND	ND				
N-Nitrosodibutylamine	ND	ND				
4-Chloro-3-methylphenol	ND	ND				
Safrole	ND	ND				
2-Methylnaphthalene	45.12	0.15				
1,2,4,5-Tetrachlorobenzene	ND	ND				
2,4,6-Trichlorophenol	ND	ND				
Hexachlorocyclopentadiene	ND	ND				
2,4,5-Trichlorophenol	ND	ND				
2-Nitroaniline	ND	ND				
Isosafrole	ND	ND				
2-Chloronaphthalene	ND	ND				
1,4-Naphthoquinone	ND	ND				
Dimethyl phthalate	ND	ND				
1,3-Dinitrobenzene	ND	ND				
2,6-Dinitrotoluene	ND	ND				
3-Nitroaniline	ND	ND				
Acenaphthylene	ND	ND				

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

2002 Final Data Report

Sample I.D.	25661	25718	25843
File I.D.	ENG2924.D	VOID	VOID
Date Sampled	02/07/02	02/13/02	02/19/02
Date Analyzed	02/28/02		
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	291.3		

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
2,4-Dinitrophenol	ND	ND						
4-Nitrophenol	ND	ND						
Acenaphthene	3.30	0.01	U					
2,4-Dinitrotoluene	ND	ND						
2-Naphthylamine	ND	ND						
Dibenzofuran	4.15	0.01	U					
Pentachlorobenzene	ND	ND						
1-Naphthylamine	ND	ND						
Diethyl phthalate	ND	ND						
2,3,4,6-Tetrachlorophenol	ND	ND						
4-Nitroaniline	ND	ND						
4-Chlorophenyl-phenyl ether	ND	ND						
Fluorene	3.25	0.01	U					
5-Nitro-o-toluidine	ND	ND						
4,6-Dinitro-2-methylphenol	ND	ND						
Diphenylamine	ND	ND						
Azobenzene	ND	ND						
Phenacetin	ND	ND						
Diallyl	ND	ND						
4-Bromophenyl phenyl ether	ND	ND						
4-Aminobiphenyl	ND	ND						
Hexachlorobenzene	ND	ND						
Pronamide	ND	ND						
Pentachlorophenol	ND	ND						
Pentachloronitrobenzene	ND	ND						
Phenanthrene	7.06	0.02	U					
Dinoseb	ND	ND						
Anthracene	ND	ND						
Carbazole	ND	ND						
Di-n-butyl phthalate	15.85	0.05	U					
Benzidine	ND	ND						
Isodrin	ND	ND						
Fluoranthene	ND	ND						
Pyrene	ND	ND						
4-Dimethylaminoazobenzene	ND	ND						
Chlorobenzilate	ND	ND						
3,3'-Dimethylbenzidine	ND	ND						
Butyl benzyl phthalate	ND	ND						
2-Acetylaminofluorene	ND	ND						
3-Methylcholanthrene	ND	ND						
3,3'-Dichlorobenzidine	ND	ND						
bis(2-Ethylhexyl)phthalate	ND	ND						
Benzo(a)anthracene	ND	ND						
Chrysene	ND	ND						
Di-n-octyl phthalate	ND	ND						
7,12-Dimethylbenz(a)anthracene	ND	ND						
Benzo(b)fluoranthene	ND	ND						
Benzo(k)fluoranthene	ND	ND						
Benzo(a)pyrene	ND	ND						
Indeno(1,2,3-cd)pyrene	ND	ND						
Dibenz(a,h)anthracene	ND	ND						
Benzo(g,h,i)perylene	ND	ND						

D - Dilution
 ND - Not Detected
 U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

2002 Final Data Report

Sample I.D.	26010	26109	26242
File I.D.	VOID	VOID	VOID
Date Sampled	02/25/02	03/03/02	03/09/02
Date Analyzed			

Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
------------------------------	------------------------------	------------------------------

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine						
Pyridine						
Ethyl methanesulfonate						
2-Picoline						
N-Nitrosomethylethylamine						
Methyl methanesulfonate						
N-Nitrosodiethylamine						
Phenol						
Pentachloroethane						
bis (2-Chloroethyl)ether						
Aniline						
2-Chlorophenol						
1,3-Dichlorobenzene						
1,4-Dichlorobenzene						
Benzyl alcohol						
2-Methylphenol						
1,2-Dichlorobenzene						
bis(2-Chloroisopropyl)ether						
3&4-Methylphenol						
N-Nitrosopyrrolidine						
N-Nitrosodipropylamine						
o-Toluidine						
Hexachloroethane						
Acetophenone						
Nitrobenzene						
N-Nitrosopiperidine						
Isophorone						
2-Nitrophenol						
2,4-Dimethylphenol						
bis(2-Chloroethoxy)methane						
2,4-Dichlorophenol						
4-Chloroaniline						
1,2,4-Trichlorobenzene						
Naphthalene						
2,6-Dichlorophenol						
Hexachloropropene						
Hexachlorobutadiene						
N-Nitrosodibutylamine						
4-Chloro-3-methylphenol						
Safrole						
2-Methylnaphthalene						
1,2,4,5-Tetrachlorobenzene						
2,4,6-Trichlorophenol						
Hexachlorocyclopentadiene						
2,4,5-Trichlorophenol						
2-Nitroaniline						
Isosafrole						
2-Chloronaphthalene						
1,4-Naphthoquinone						
Dimethyl phthalate						
1,3-Dinitrobenzene						
2,6-Dinitrotoluene						
3-Nitroaniline						
Acenaphthylene						

SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

2002 Final Data Report

Sample I.D.	26010	26109	26242
File I.D.	VOID	VOID	VOID
Date Sampled	02/25/02	03/03/02	03/09/02
Date Analyzed			

Actual Vol (m³)

Actual Vol (m³)

Actual Vol (m³)

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
2,4-Dinitrophenol						
4-Nitrophenol						
Acenaphthene						
2,4-Dinitrotoluene						
2-Naphthylamine						
Dibenzofuran						
Pentachlorobenzene						
1-Naphthylamine						
Diethyl phthalate						
2,3,4,6-Tetrachlorophenol						
4-Nitroaniline						
4-Chlorophenyl-phenyl ether						
Fluorene						
5-Nitro-o-toluidine						
4,6-Dinitro-2-methylphenol						
Diphenylamine						
Azobenzene						
Phenacetin						
Diallate						
4-Bromophenyl phenyl ether						
4-Aminobiphenyl						
Hexachlorobenzene						
Pronamide						
Pentachlorophenol						
Pentachloronitrobenzene						
Phenanthrene						
Dinoseb						
Anthracene						
Carbazole						
Di-n-butyl phthalate						
Benidine						
Isodrin						
Fluoranthene						
Pyrene						
4-Dimethylaminoazobenzene						
Chlorobenzilate						
3,3'-Dimethylbenzidine						
Butyl benzyl phthalate						
2-Acetylaminofluorene						
3-Methylcholanthrene						
3,3'-Dichlorobenzidine						
bis(2-Ethylhexyl)phthalate						
Benzo(a)anthracene						
Chrysene						
Di-n-octyl phthalate						
7,12-Dimethylbenz(a)anthracene						
Benzo(b)fluoranthene						
Benzo(k)fluoranthene						
Benzo(a)pyrene						
Indeno(1,2,3-cd)pyrene						
Dibenz(a,h)anthracene						
Benzo(g,h,i)perylene						

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

2002 Final Data Report

Sample I.D.	26368	26478	26473
File I.D.	ENG3123.D	VOID	ENG3164.D
Date Sampled	03/15/02	03/21/02	03/27/02
Date Analyzed	04/12/02		04/15/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	215.73		259.5

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND					ND	ND	
Pyridine	ND	ND					ND	ND	
Ethyl methanesulfonate	ND	ND					ND	ND	
2-Picoline	ND	ND					ND	ND	
N-Nitrosomethylethylamine	ND	ND					ND	ND	
Methyl methanesulfonate	ND	ND					ND	ND	
N-Nitrosodiethylamine	ND	ND					ND	ND	
Phenol	ND	ND					ND	ND	
Pentachloroethane	ND	ND					ND	ND	
bis (2-Chloroethyl)ether	ND	ND					ND	ND	
Aniline	ND	ND					ND	ND	
2-Chlorophenol	ND	ND					ND	ND	
1,3-Dichlorobenzene	ND	ND					ND	ND	
1,4-Dichlorobenzene	11.92	0.06	U				5.60	0.02	U
Benzyl alcohol	ND	ND					ND	ND	
2-Methylphenol	ND	ND					ND	ND	
1,2-Dichlorobenzene	ND	ND					ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND					ND	ND	
3&4-Methylphenol	ND	ND					ND	ND	
N-Nitrosopyrrolidine	ND	ND					ND	ND	
N-Nitrosodipropylamine	ND	ND					ND	ND	
o-Toluidine	ND	ND					ND	ND	
Hexachloroethane	ND	ND					ND	ND	
Acetophenone	ND	ND					ND	ND	
Nitrobenzene	ND	ND					ND	ND	
N-Nitrosopiperidine	ND	ND					ND	ND	
Isophorone	ND	ND					ND	ND	
2-Nitrophenol	ND	ND					ND	ND	
2,4-Dimethylphenol	ND	ND					ND	ND	
bis(2-Chloroethoxy)methane	ND	ND					ND	ND	
2,4-Dichlorophenol	ND	ND					ND	ND	
4-Chloroaniline	ND	ND					ND	ND	
1,2,4-Trichlorobenzene	ND	ND					ND	ND	
Naphthalene	56.54	0.26					30.35	0.12	
2,6-Dichlorophenol	ND	ND					ND	ND	
Hexachloropropene	ND	ND					ND	ND	
Hexachlorobutadiene	ND	ND					ND	ND	
N-Nitrosodibutylamine	ND	ND					ND	ND	
4-Chloro-3-methylphenol	ND	ND					ND	ND	
Safrole	ND	ND					ND	ND	
2-Methylnaphthalene	25.00	0.12					18.93	0.07	U
1,2,4,5-Tetrachlorobenzene	ND	ND					ND	ND	
2,4,6-Trichlorophenol	ND	ND					ND	ND	
Hexachlorocyclopentadiene	ND	ND					ND	ND	
2,4,5-Trichlorophenol	ND	ND					ND	ND	
2-Nitroaniline	ND	ND					ND	ND	
Isosafrole	ND	ND					ND	ND	
2-Chloronaphthalene	ND	ND					ND	ND	
1,4-Naphthoquinone	ND	ND					ND	ND	
Dimethyl phthalate	ND	ND					ND	ND	
1,3-Dinitrobenzene	ND	ND					ND	ND	
2,6-Dinitrotoluene	ND	ND					ND	ND	
3-Nitroaniline	ND	ND					ND	ND	
Acenaphthylene	ND	ND					ND	ND	

D - Dilution
 ND - Not Detected
 U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

2002 Final Data Report

Sample I.D.	26368		26478		26473
File I.D.	ENG3123.D		VOID		ENG3164.D
Date Sampled	03/15/02		03/21/02		03/27/02
Date Analyzed	04/12/02				04/15/02
	Actual Vol (m ³)	215.73	Actual Vol (m ³)		Actual Vol (m ³)
					259.5

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND					ND	ND	
4-Nitrophenol	ND	ND					ND	ND	
Acenaphthene	2.09	0.01	U				1.15	0.004	U
2,4-Dinitrotoluene	ND	ND					ND	ND	
2-Naphthylamine	ND	ND					ND	ND	
Dibenzofuran	1.92	0.01	U				1.26	0.005	U
Pentachlorobenzene	ND	ND					ND	ND	
1-Naphthylamine	ND	ND					ND	ND	
Diethyl phthalate	ND	ND					ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND					ND	ND	
4-Nitroaniline	ND	ND					ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND					ND	ND	
Fluorene	1.81	0.01	U				1.11	0.004	U
5-Nitro-o-toluidine	ND	ND					ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND					ND	ND	
Diphenylamine	ND	ND					ND	ND	
Azobenzene	ND	ND					ND	ND	
Phenacetin	ND	ND					ND	ND	
Diallyl	ND	ND					ND	ND	
4-Bromophenyl phenyl ether	ND	ND					ND	ND	
4-Aminobiphenyl	ND	ND					ND	ND	
Hexachlorobenzene	ND	ND					ND	ND	
Pronamide	ND	ND					ND	ND	
Pentachlorophenol	ND	ND					ND	ND	
Pentachloronitrobenzene	ND	ND					ND	ND	
Phenanthrene	4.11	0.02	U				2.15	0.01	U
Dinoseb	ND	ND					ND	ND	
Anthracene	ND	ND					ND	ND	
Carbazole	ND	ND					ND	ND	
Di-n-butyl phthalate	11.17	0.05	U				22.31	0.09	
Benzidine	ND	ND					ND	ND	
Isodrin	ND	ND					ND	ND	
Fluoranthene	ND	ND					ND	ND	
Pyrene	ND	ND					ND	ND	
4-Dimethylaminoazobenzene	ND	ND					ND	ND	
Chlorobenzilate	ND	ND					ND	ND	
3,3'-Dimethylbenzidine	ND	ND					ND	ND	
Butyl benzyl phthalate	ND	ND					ND	ND	
2-Acetylaminofluorene	ND	ND					ND	ND	
3-Methylcholanthrene	ND	ND					ND	ND	
3,3'-Dichlorobenzidine	ND	ND					ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND					ND	ND	
Benzo(a)anthracene	ND	ND					ND	ND	
Chrysene	ND	ND					ND	ND	
Di-n-octyl phthalate	ND	ND					ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND					ND	ND	
Benzo(b)fluoranthene	ND	ND					ND	ND	
Benzo(k)fluoranthene	ND	ND					ND	ND	
Benzo(a)pyrene	ND	ND					ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND					ND	ND	
Dibenz(a,h)anthracene	ND	ND					ND	ND	
Benzo(g,h,i)perylene	ND	ND					ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

2002 Final Data Report

Sample I.D.	26575	26693	26841
File I.D.	ENG3184	ENG3203	ENG3214
Date Sampled	04/02/02	04/08/02	04/14/02
Date Analyzed	05/30/02	05/31/02	05/31/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	275.3	255.0	262.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	22.40	0.09	27.33	0.10
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	17.04	0.07	21.82	0.08
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	101.87	0.37	182.87	0.72	177.25	0.68
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	63.74	0.23	57.36	0.22	55.39	0.21
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND

SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

2002 Final Data Report

Sample I.D.	26575		26693		26841	
File I.D.	ENG3184		ENG3203		ENG3214	
Date Sampled	04/02/02		04/08/02		04/14/02	
Date Analyzed	05/30/02		05/31/02		05/31/02	
	Actual Vol (m ³)	275.3	Actual Vol (m ³)	255.0	Actual Vol (m ³)	262.0
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	4.63	0.02 U	4.59	0.02 U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	ND	ND	5.60	0.02 U	5.65	0.02 U
Pentachlorobenzene	ND	ND	ND	ND	ND	ND
1-Naphthylamine	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	5.90	0.02 U	4.01	0.02 U
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND
Diallyl	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	9.12	0.04 U	7.43	0.03 U
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	76.37	0.28	116.17	0.46	51.81	0.20
Benzidine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	2.22	0.01 U
Pyrene	ND	ND	ND	ND	ND	ND
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

2002 Final Data Report

Sample I.D.	26998	27079
File I.D.	ENG3222	ENG3231
Date Sampled	04/20/02	04/26/02
Date Analyzed	05/31/02	06/04/02
Actual Vol (m ³)	242.7	283.9

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND
Phenol	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND
Aniline	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND
1,4-Dichlorobenzene	13.73	0.06	U	18.60
Benzyl alcohol	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND
Naphthalene	34.89	0.14	93.21	0.33
2,6-Dichlorophenol	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND
Safrole	ND	ND	ND	ND
2-Methylnaphthalene	21.04	0.09	41.56	0.15
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

2002 Final Data Report

Sample I.D.	26998	27079
File I.D.	ENG3222	ENG3231
Date Sampled	04/20/02	04/26/02
Date Analyzed	05/31/02	06/04/02
Actual Vol (m ³)	242.7	283.9

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND	ND	ND	
4-Nitrophenol	ND	ND	ND	ND	
Acenaphthene	ND	ND	6.13	0.02	U
2,4-Dinitrotoluene	ND	ND	ND	ND	
2-Naphthylamine	ND	ND	ND	ND	
Dibenzofuran	1.03	0.004	U	5.22	0.02
Pentachlorobenzene	ND	ND	ND	ND	
1-Naphthylamine	ND	ND	ND	ND	
Diethyl phthalate	ND	ND	ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	
4-Nitroaniline	ND	ND	ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	
Fluorene	0.94	0.004	U	4.62	0.02
5-Nitro-o-toluidine	ND	ND	ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	
Diphenylamine	ND	ND	ND	ND	
Azobenzene	ND	ND	ND	ND	
Phenacetin	ND	ND	ND	ND	
Diallyl	ND	ND	ND	ND	
4-Bromophenyl phenyl ether	ND	ND	ND	ND	
4-Aminobiphenyl	ND	ND	ND	ND	
Hexachlorobenzene	ND	ND	ND	ND	
Pronamide	ND	ND	ND	ND	
Pentachlorophenol	ND	ND	ND	ND	
Pentachloronitrobenzene	ND	ND	ND	ND	
Phenanthrene	2.64	0.01	U	7.29	0.03
Dinoseb	ND	ND	ND	ND	
Anthracene	ND	ND	ND	ND	
Carbazole	ND	ND	ND	ND	
Di-n-butyl phthalate	14.49	0.06	U	ND	ND
Benzidine	ND	ND	ND	ND	
Isodrin	ND	ND	ND	ND	
Fluoranthene	ND	ND	ND	ND	
Pyrene	ND	ND	ND	ND	
4-Dimethylaminoazobenzene	ND	ND	ND	ND	
Chlorobenzilate	ND	ND	ND	ND	
3,3'-Dimethylbenzidine	ND	ND	ND	ND	
Butyl benzyl phthalate	ND	ND	ND	ND	
2-Acetylaminofluorene	ND	ND	ND	ND	
3-Methylcholanthrene	ND	ND	ND	ND	
3,3'-Dichlorobenzidine	ND	ND	ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	
Benzo(a)anthracene	ND	ND	ND	ND	
Chrysene	ND	ND	ND	ND	
Di-n-octyl phthalate	ND	ND	ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	
Benzo(b)fluoranthene	ND	ND	ND	ND	
Benzo(k)fluoranthene	ND	ND	ND	ND	
Benzo(a)pyrene	ND	ND	ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	
Dibenz(a,h)anthracene	ND	ND	ND	ND	
Benzo(g,h,i)perylene	ND	ND	ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

2002 Final Data Report

Sample I.D.	25051	25292	25543
File I.D.	ENG2844.D	ENG2894.D	VOID
Date Sampled	01/08/02	01/20/02	02/01/02
Date Analyzed	02/03/02	02/27/02	
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	249.9	223.9	

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND	ND	ND		
Pyridine	ND	ND	ND	ND		
Ethyl methanesulfonate	ND	ND	ND	ND		
2-Picoline	ND	ND	ND	ND		
N-Nitrosomethylethylamine	ND	ND	ND	ND		
Methyl methanesulfonate	ND	ND	ND	ND		
N-Nitrosodiethylamine	ND	ND	ND	ND		
Phenol	ND	ND	ND	ND		
Pentachloroethane	ND	ND	ND	ND		
bis (2-Chloroethyl)ether	ND	ND	ND	ND		
Aniline	ND	ND	ND	ND		
2-Chlorophenol	ND	ND	ND	ND		
1,3-Dichlorobenzene	ND	ND	ND	ND		
1,4-Dichlorobenzene	12.65	0.05	12.36	0.06	U	
Benzyl alcohol	ND	ND	ND	ND		
2-Methylphenol	ND	ND	ND	ND		
1,2-Dichlorobenzene	ND	ND	ND	ND		
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND		
3&4-Methylphenol	ND	ND	ND	ND		
N-Nitrosopyrrolidine	ND	ND	ND	ND		
N-Nitrosodipropylamine	ND	ND	ND	ND		
o-Toluidine	ND	ND	ND	ND		
Hexachloroethane	ND	ND	ND	ND		
Acetophenone	ND	ND	ND	ND		
Nitrobenzene	ND	ND	ND	ND		
N-Nitrosopiperidine	ND	ND	ND	ND		
Isophorone	ND	ND	ND	ND		
2-Nitrophenol	ND	ND	ND	ND		
2,4-Dimethylphenol	ND	ND	ND	ND		
bis(2-Chloroethoxy)methane	ND	ND	ND	ND		
2,4-Dichlorophenol	ND	ND	ND	ND		
4-Chloroaniline	ND	ND	ND	ND		
1,2,4-Trichlorobenzene	ND	ND	ND	ND		
Naphthalene	51.50	0.21	32.15	0.14		
2,6-Dichlorophenol	ND	ND	ND	ND		
Hexachloropropene	ND	ND	ND	ND		
Hexachlorobutadiene	ND	ND	ND	ND		
N-Nitrosodibutylamine	ND	ND	ND	ND		
4-Chloro-3-methylphenol	ND	ND	ND	ND		
Safrole	ND	ND	ND	ND		
2-Methylnaphthalene	21.79	0.09	15.91	0.07	U	
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND		
2,4,6-Trichlorophenol	ND	ND	ND	ND		
Hexachlorocyclopentadiene	ND	ND	ND	ND		
2,4,5-Trichlorophenol	ND	ND	ND	ND		
2-Nitroaniline	ND	ND	ND	ND		
Isosafrole	ND	ND	ND	ND		
2-Chloronaphthalene	ND	ND	ND	ND		
1,4-Naphthoquinone	ND	ND	ND	ND		
Dimethyl phthalate	ND	ND	ND	ND		
1,3-Dinitrobenzene	ND	ND	ND	ND		
2,6-Dinitrotoluene	ND	ND	ND	ND		
3-Nitroaniline	ND	ND	ND	ND		
Acenaphthylene	ND	ND	ND	ND		

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

2002 Final Data Report

Sample I.D.	25051		25292		25543
File I.D.	ENG2844.D		ENG2894.D		VOID
Date Sampled	01/08/02		01/20/02		02/01/02
Date Analyzed	02/03/02		02/27/02		
	Actual Vol (m ³)	249.9	Actual Vol (m ³)	223.9	Actual Vol (m ³)

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
2,4-Dinitrophenol	ND	ND		ND	ND			
4-Nitrophenol	ND	ND		ND	ND			
Acenaphthene	0.78	0.003	U	0.24	0.001	U		
2,4-Dinitrotoluene	ND	ND		ND	ND			
2-Naphthylamine	ND	ND		ND	ND			
Dibenzofuran	1.42	0.01	U	0.95	0.004	U		
Pentachlorobenzene	ND	ND		ND	ND			
1-Naphthylamine	ND	ND		ND	ND			
Diethyl phthalate	ND	ND		ND	ND			
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND			
4-Nitroaniline	ND	ND		ND	ND			
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND			
Fluorene	0.99	0.004	U	0.67	0.003	U		
5-Nitro-o-toluidine	ND	ND		ND	ND			
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND			
Diphenylamine	ND	ND		ND	ND			
Azobenzene	ND	ND		ND	ND			
Phenacetin	ND	ND		ND	ND			
Diallyl	ND	ND		ND	ND			
4-Bromophenyl phenyl ether	ND	ND		ND	ND			
4-Aminobiphenyl	ND	ND		ND	ND			
Hexachlorobenzene	ND	ND		ND	ND			
Pronamide	ND	ND		ND	ND			
Pentachlorophenol	ND	ND		ND	ND			
Pentachloronitrobenzene	ND	ND		ND	ND			
Phenanthrene	2.68	0.01	U	1.72	0.01	U		
Dinoseb	ND	ND		ND	ND			
Anthracene	ND	ND		ND	ND			
Carbazole	ND	ND		ND	ND			
Di-n-butyl phthalate	ND	ND		ND	ND			
Benzidine	ND	ND		ND	ND			
Isodrin	ND	ND		ND	ND			
Fluoranthene	ND	ND		ND	ND			
Pyrene	ND	ND		ND	ND			
4-Dimethylaminoazobenzene	ND	ND		ND	ND			
Chlorobenzilate	ND	ND		ND	ND			
3,3'-Dimethylbenzidine	ND	ND		ND	ND			
Butyl benzyl phthalate	ND	ND		ND	ND			
2-Acetylaminofluorene	ND	ND		ND	ND			
3-Methylcholanthrene	ND	ND		ND	ND			
3,3'-Dichlorobenzidine	ND	ND		ND	ND			
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND			
Benzo(a)anthracene	ND	ND		ND	ND			
Chrysene	ND	ND		ND	ND			
Di-n-octyl phthalate	ND	ND		ND	ND			
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND			
Benzo(b)fluoranthene	ND	ND		ND	ND			
Benzo(k)fluoranthene	ND	ND		ND	ND			
Benzo(a)pyrene	ND	ND		ND	ND			
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND			
Dibenz(a,h)anthracene	ND	ND		ND	ND			
Benzo(g,h,i)perylene	ND	ND		ND	ND			

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

2002 Final Data Report

Sample I.D.	25714	26012 - Field Blank	26013
File I.D.	ENG2944.D	ENG3077.D	VOID
Date Sampled	02/13/02	02/25/02	02/25/02
Date Analyzed	03/01/02	04/10/02	
	Actual Vol (m ³)	234.6	Actual Vol (m ³)

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND		ND	ND		
Pyridine	ND	ND		ND	ND		
Ethyl methanesulfonate	ND	ND		ND	ND		
2-Picoline	ND	ND		ND	ND		
N-Nitrosomethylethylamine	ND	ND		ND	ND		
Methyl methanesulfonate	ND	ND		ND	ND		
N-Nitrosodiethylamine	ND	ND		ND	ND		
Phenol	ND	ND		ND	ND		
Pentachloroethane	ND	ND		ND	ND		
bis (2-Chloroethyl)ether	ND	ND		ND	ND		
Aniline	ND	ND		ND	ND		
2-Chlorophenol	ND	ND		ND	ND		
1,3-Dichlorobenzene	ND	ND		ND	ND		
1,4-Dichlorobenzene	11.92	0.05	U	ND	ND		
Benzyl alcohol	ND	ND		ND	ND		
2-Methylphenol	ND	ND		ND	ND		
1,2-Dichlorobenzene	ND	ND		ND	ND		
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		
3&4-Methylphenol	ND	ND		ND	ND		
N-Nitrosopyrrolidine	ND	ND		ND	ND		
N-Nitrosodipropylamine	ND	ND		ND	ND		
o-Toluidine	ND	ND		ND	ND		
Hexachloroethane	ND	ND		ND	ND		
Acetophenone	ND	ND		ND	ND		
Nitrobenzene	ND	ND		ND	ND		
N-Nitrosopiperidine	ND	ND		ND	ND		
Isophorone	ND	ND		ND	ND		
2-Nitrophenol	ND	ND		ND	ND		
2,4-Dimethylphenol	ND	ND		ND	ND		
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		
2,4-Dichlorophenol	ND	ND		ND	ND		
4-Chloroaniline	ND	ND		ND	ND		
1,2,4-Trichlorobenzene	ND	ND		ND	ND		
Naphthalene	39.76	0.17		ND	ND		
2,6-Dichlorophenol	ND	ND		ND	ND		
Hexachloropropene	ND	ND		ND	ND		
Hexachlorobutadiene	ND	ND		ND	ND		
N-Nitrosodibutylamine	ND	ND		ND	ND		
4-Chloro-3-methylphenol	ND	ND		ND	ND		
Safrole	ND	ND		ND	ND		
2-Methylnaphthalene	23.53	0.10		ND	ND		
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		
2,4,6-Trichlorophenol	ND	ND		ND	ND		
Hexachlorocyclopentadiene	ND	ND		ND	ND		
2,4,5-Trichlorophenol	ND	ND		ND	ND		
2-Nitroaniline	ND	ND		ND	ND		
Isosafrole	ND	ND		ND	ND		
2-Chloronaphthalene	ND	ND		ND	ND		
1,4-Naphthoquinone	ND	ND		ND	ND		
Dimethyl phthalate	ND	ND		ND	ND		
1,3-Dinitrobenzene	ND	ND		ND	ND		
2,6-Dinitrotoluene	ND	ND		ND	ND		
3-Nitroaniline	ND	ND		ND	ND		
Acenaphthylene	ND	ND		ND	ND		

D - Dilution
 ND - Not Detected
 U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

2002 Final Data Report

Sample I.D.	25714	26012 - Field Blank	26013
File I.D.	ENG2944.D	ENG3077.D	VOID
Date Sampled	02/13/02	02/25/02	02/25/02
Date Analyzed	03/01/02	04/10/02	
	Actual Vol (m ³)	234.6	Actual Vol (m ³)

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
2,4-Dinitrophenol	ND	ND		ND	ND		
4-Nitrophenol	ND	ND		ND	ND		
Acenaphthene	0.32	0.001	U	ND	ND		
2,4-Dinitrotoluene	ND	ND		ND	ND		
2-Naphthylamine	ND	ND		ND	ND		
Dibenzofuran	ND	ND		ND	ND		
Pentachlorobenzene	ND	ND		ND	ND		
1-Naphthylamine	ND	ND		ND	ND		
Diethyl phthalate	ND	ND		ND	ND		
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		
4-Nitroaniline	ND	ND		ND	ND		
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		
Fluorene	0.37	0.002	U	ND	ND		
5-Nitro-o-toluidine	ND	ND		ND	ND		
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		
Diphenylamine	ND	ND		ND	ND		
Azobenzene	ND	ND		ND	ND		
Phenacetin	ND	ND		ND	ND		
Diallyl	ND	ND		ND	ND		
4-Bromophenyl phenyl ether	ND	ND		ND	ND		
4-Aminobiphenyl	ND	ND		ND	ND		
Hexachlorobenzene	ND	ND		ND	ND		
Pronamide	ND	ND		ND	ND		
Pentachlorophenol	ND	ND		ND	ND		
Pentachloronitrobenzene	ND	ND		ND	ND		
Phenanthrene	ND	ND		ND	ND		
Dinoseb	ND	ND		ND	ND		
Anthracene	ND	ND		ND	ND		
Carbazole	ND	ND		ND	ND		
Di-n-butyl phthalate	ND	ND		ND	ND		
Benzidine	ND	ND		ND	ND		
Isodrin	ND	ND		ND	ND		
Fluoranthene	ND	ND		ND	ND		
Pyrene	ND	ND		ND	ND		
4-Dimethylaminoazobenzene	ND	ND		ND	ND		
Chlorobenzilate	ND	ND		ND	ND		
3,3'-Dimethylbenzidine	ND	ND		ND	ND		
Butyl benzyl phthalate	ND	ND		ND	ND		
2-Acetylaminofluorene	ND	ND		ND	ND		
3-Methylcholanthrene	ND	ND		ND	ND		
3,3'-Dichlorobenzidine	ND	ND		ND	ND		
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		
Benzo(a)anthracene	ND	ND		ND	ND		
Chrysene	ND	ND		ND	ND		
Di-n-octyl phthalate	ND	ND		ND	ND		
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		
Benzo(b)fluoranthene	ND	ND		ND	ND		
Benzo(k)fluoranthene	ND	ND		ND	ND		
Benzo(a)pyrene	ND	ND		ND	ND		
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		
Dibenz(a,h)anthracene	ND	ND		ND	ND		
Benzo(g,h,i)perylene	ND	ND		ND	ND		

D - Dilution
 ND - Not Detected
 U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

2002 Final Data Report

Sample I.D.	26243	26479	26578
File I.D.	VOID	ENG3144.D	ENG3187
Date Sampled	03/09/02	03/21/02	04/02/02
Date Analyzed		04/13/02	05/30/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
		235.3	249.1

Compound	Final Conc (µg)	Final µg/m ³	Final Conc (µg)	Final µg/m ³	Final Conc (µg)	Final µg/m ³
N-Nitrosodimethylamine			ND	ND	ND	ND
Pyridine			ND	ND	ND	ND
Ethyl methanesulfonate			ND	ND	ND	ND
2-Picoline			ND	ND	ND	ND
N-Nitrosomethylethylamine			ND	ND	ND	ND
Methyl methanesulfonate			ND	ND	ND	ND
N-Nitrosodiethylamine			ND	ND	ND	ND
Phenol			ND	ND	10.96	0.04 U
Pentachloroethane			ND	ND	ND	ND
bis (2-Chloroethyl)ether			ND	ND	ND	ND
Aniline			ND	ND	ND	ND
2-Chlorophenol			ND	ND	ND	ND
1,3-Dichlorobenzene			ND	ND	ND	ND
1,4-Dichlorobenzene			5.42	0.10 U	23.53	0.09
Benzyl alcohol			ND	ND	ND	ND
2-Methylphenol			ND	ND	ND	ND
1,2-Dichlorobenzene			ND	ND	ND	ND
bis(2-Chloroisopropyl)ether			ND	ND	ND	ND
3&4-Methylphenol			ND	ND	ND	ND
N-Nitrosopyrrolidine			ND	ND	ND	ND
N-Nitrosodipropylamine			ND	ND	ND	ND
o-Toluidine			ND	ND	ND	ND
Hexachloroethane			ND	ND	ND	ND
Acetophenone			ND	ND	ND	ND
Nitrobenzene			ND	ND	ND	ND
N-Nitrosopiperidine			ND	ND	ND	ND
Isophorone			ND	ND	ND	ND
2-Nitrophenol			ND	ND	ND	ND
2,4-Dimethylphenol			ND	ND	ND	ND
bis(2-Chloroethoxy)methane			ND	ND	ND	ND
2,4-Dichlorophenol			ND	ND	ND	ND
4-Chloroaniline			ND	ND	ND	ND
1,2,4-Trichlorobenzene			ND	ND	ND	ND
Naphthalene			12.54	0.26	75.72	0.30
2,6-Dichlorophenol			ND	ND	ND	ND
Hexachloropropene			ND	ND	ND	ND
Hexachlorobutadiene			ND	ND	ND	ND
N-Nitrosodibutylamine			ND	ND	ND	ND
4-Chloro-3-methylphenol			ND	ND	ND	ND
Safrole			ND	ND	ND	ND
2-Methylnaphthalene			7.07	0.12 U	45.36	0.18
1,2,4,5-Tetrachlorobenzene			ND	ND	ND	ND
2,4,6-Trichlorophenol			ND	ND	ND	ND
Hexachlorocyclopentadiene			ND	ND	ND	ND
2,4,5-Trichlorophenol			ND	ND	ND	ND
2-Nitroaniline			ND	ND	ND	ND
Isosafrole			ND	ND	ND	ND
2-Chloronaphthalene			ND	ND	ND	ND
1,4-Naphthoquinone			ND	ND	ND	ND
Dimethyl phthalate			ND	ND	ND	ND
1,3-Dinitrobenzene			ND	ND	ND	ND
2,6-Dinitrotoluene			ND	ND	ND	ND
3-Nitroaniline			ND	ND	ND	ND
Acenaphthylene			ND	ND	ND	ND

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

2002 Final Data Report

Sample I.D.	26243	26479	26578			
File I.D.	VOID	ENG3144.D	ENG3187			
Date Sampled	03/09/02	03/21/02	04/02/02			
Date Analyzed		04/13/02	05/30/02			
	Actual Vol (m³)	Actual Vol (m³)	235.3	Actual Vol (m³)	249.1	
Compound	Final Conc (µg)	Final µg/m³	Final Conc (µg)	Final µg/m³	Final Conc (µg)	Final µg/m³
2,4-Dinitrophenol			ND	ND	ND	ND
4-Nitrophenol			ND	ND	ND	ND
Acenaphthene			ND	0.003	0.53	0.002
2,4-Dinitrotoluene			ND	ND	ND	ND
2-Naphthylamine			ND	ND	ND	ND
Dibenzofuran			ND	0.004	ND	ND
Pentachlorobenzene			ND	ND	ND	ND
1-Naphthylamine			ND	ND	ND	ND
Diethyl phthalate			ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol			ND	ND	ND	ND
4-Nitroaniline			ND	ND	ND	ND
4-Chlorophenyl-phenyl ether			ND	ND	ND	ND
Fluorene			ND	0.004	ND	ND
5-Nitro-o-toluidine			ND	ND	ND	ND
4,6-Dinitro-2-methylphenol			ND	ND	ND	ND
Diphenylamine			ND	ND	ND	ND
Azobenzene			ND	ND	ND	ND
Phenacetin			ND	ND	ND	ND
Diallate			ND	ND	ND	ND
4-Bromophenyl phenyl ether			ND	ND	ND	ND
4-Aminobiphenyl			ND	ND	ND	ND
Hexachlorobenzene			ND	ND	ND	ND
Pronamide			ND	ND	ND	ND
Pentachlorophenol			ND	ND	ND	ND
Pentachloronitrobenzene			ND	ND	ND	ND
Phenanthrene			0.58	0.01	2.47	0.01
Dinoseb			ND	ND	ND	ND
Anthracene			ND	ND	ND	ND
Carbazole			ND	ND	ND	ND
Di-n-butyl phthalate			ND	ND	ND	ND
Benidine			ND	ND	ND	ND
Isodrin			ND	ND	ND	ND
Fluoranthene			ND	ND	ND	ND
Pyrene			ND	ND	ND	ND
4-Dimethylaminoazobenzene			ND	ND	ND	ND
Chlorobenzilate			ND	ND	ND	ND
3,3'-Dimethylbenzidine			ND	ND	ND	ND
Butyl benzyl phthalate			ND	ND	ND	ND
2-Acetylaminofluorene			ND	ND	ND	ND
3-Methylcholanthrene			ND	ND	ND	ND
3,3'-Dichlorobenzidine			ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate			ND	ND	ND	ND
Benzo(a)anthracene			ND	ND	ND	ND
Chrysene			ND	ND	ND	ND
Di-n-octyl phthalate			ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene			ND	ND	ND	ND
Benzo(b)fluoranthene			ND	ND	ND	ND
Benzo(k)fluoranthene			ND	ND	ND	ND
Benzo(a)pyrene			ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene			ND	ND	ND	ND
Dibenz(a,h)anthracene			ND	ND	ND	ND
Benzo(g,h,i)perylene			ND	ND	ND	ND

D - Dilution
 ND - Not Detected
 U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

2002 Final Data Report

Sample I.D. 26836
File I.D. ENG3209
Date Sampled 04/14/02
Date Analyzed 05/31/02
 Actual Vol (m³) 243.7

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND
Pyridine	ND	ND
Ethyl methanesulfonate	ND	ND
2-Picoline	ND	ND
N-Nitrosomethylethylamine	ND	ND
Methyl methanesulfonate	ND	ND
N-Nitrosodiethylamine	ND	ND
Phenol	15.81	0.06
Pentachloroethane	ND	ND
bis (2-Chloroethyl)ether	ND	ND
Aniline	ND	ND
2-Chlorophenol	ND	ND
1,3-Dichlorobenzene	ND	ND
1,4-Dichlorobenzene	33.15	0.14
Benzyl alcohol	ND	ND
2-Methylphenol	ND	ND
1,2-Dichlorobenzene	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND
3&4-Methylphenol	ND	ND
N-Nitrosopyrrolidine	ND	ND
N-Nitrosodipropylamine	ND	ND
o-Toluidine	ND	ND
Hexachloroethane	ND	ND
Acetophenone	ND	ND
Nitrobenzene	ND	ND
N-Nitrosopiperidine	ND	ND
Isophorone	ND	ND
2-Nitrophenol	ND	ND
2,4-Dimethylphenol	ND	ND
bis(2-Chloroethoxy)methane	ND	ND
2,4-Dichlorophenol	ND	ND
4-Chloroaniline	ND	ND
1,2,4-Trichlorobenzene	ND	ND
Naphthalene	68.62	0.28
2,6-Dichlorophenol	ND	ND
Hexachloropropene	ND	ND
Hexachlorobutadiene	ND	ND
N-Nitrosodibutylamine	ND	ND
4-Chloro-3-methylphenol	ND	ND
Safrole	ND	ND
2-Methylnaphthalene	36.70	0.15
1,2,4,5-Tetrachlorobenzene	ND	ND
2,4,6-Trichlorophenol	ND	ND
Hexachlorocyclopentadiene	ND	ND
2,4,5-Trichlorophenol	ND	ND
2-Nitroaniline	ND	ND
Isosafrole	ND	ND
2-Chloronaphthalene	ND	ND
1,4-Naphthoquinone	ND	ND
Dimethyl phthalate	ND	ND
1,3-Dinitrobenzene	ND	ND
2,6-Dinitrotoluene	ND	ND
3-Nitroaniline	ND	ND
Acenaphthylene	ND	ND

SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

2002 Final Data Report

Sample I.D. 26836
File I.D. ENG3209
Date Sampled 04/14/02
Date Analyzed 05/31/02
 Actual Vol (m³) 243.7

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND	
4-Nitrophenol	ND	ND	
Acenaphthene	ND	ND	
2,4-Dinitrotoluene	ND	ND	
2-Naphthylamine	ND	ND	
Dibenzofuran	1.23	0.005	U
Pentachlorobenzene	ND	ND	
1-Naphthylamine	ND	ND	
Diethyl phthalate	ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND	
4-Nitroaniline	ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND	
Fluorene	ND	ND	
5-Nitro-o-toluidine	ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND	
Diphenylamine	ND	ND	
Azobenzene	ND	ND	
Phenacetin	ND	ND	
Diallate	ND	ND	
4-Bromophenyl phenyl ether	ND	ND	
4-Aminobiphenyl	ND	ND	
Hexachlorobenzene	ND	ND	
Pronamide	ND	ND	
Pentachlorophenol	ND	ND	
Pentachloronitrobenzene	ND	ND	
Phenanthrene	2.79	0.01	U
Dinoseb	ND	ND	
Anthracene	ND	ND	
Carbazole	ND	ND	
Di-n-butyl phthalate	ND	ND	
Benzidine	ND	ND	
Isodrin	ND	ND	
Fluoranthene	ND	ND	
Pyrene	ND	ND	
4-Dimethylaminoazobenzene	ND	ND	
Chlorobenzilate	ND	ND	
3,3'-Dimethylbenzidine	ND	ND	
Butyl benzyl phthalate	ND	ND	
2-Acetylaminofluorene	ND	ND	
3-Methylcholanthrene	ND	ND	
3,3'-Dichlorobenzidine	ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND	
Benzo(a)anthracene	ND	ND	
Chrysene	ND	ND	
Di-n-octyl phthalate	ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND	
Benzo(b)fluoranthene	ND	ND	
Benzo(k)fluoranthene	ND	ND	
Benzo(a)pyrene	ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND	
Dibenz(a,h)anthracene	ND	ND	
Benzo(g,h,i)perylene	ND	ND	

SemiVolatile Samples - Elizabeth, NJ (ELNJ)

2002 Final Data Report

Sample I.D.	24966		25030		25190	
File I.D.	ENG2812.D		ENG2817.D		ENG2877.D	
Date Sampled	01/02/02		01/08/02		01/14/02	
Date Analyzed	01/18/02		01/18/02		02/26/02	
	Actual Vol (m³)	179.9	Actual Vol (m³)	201.2	Actual Vol (m³)	193.2

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND	ND	ND		ND	ND
Pyridine	ND	ND	ND	ND		ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND		ND	ND
2-Picoline	ND	ND	ND	ND		ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND		ND	ND
Methyl methanesulfonate	ND	ND	ND	ND		ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND		ND	ND
Phenol	ND	ND	15.03	0.07	U	ND	ND
Pentachloroethane	ND	ND	ND	ND		ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND		ND	ND
Aniline	ND	ND	ND	ND		ND	ND
2-Chlorophenol	ND	ND	ND	ND		ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND		ND	ND
1,4-Dichlorobenzene	11.39	0.06	8.97	0.04	U	21.06	0.11
Benzyl alcohol	ND	ND	ND	ND		ND	ND
2-Methylphenol	ND	ND	ND	ND		ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND		ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND		ND	ND
3&4-Methylphenol	ND	ND	ND	ND		ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND		ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND		ND	ND
o-Toluidine	ND	ND	ND	ND		ND	ND
Hexachloroethane	ND	ND	ND	ND		ND	ND
Acetophenone	ND	ND	ND	ND		ND	ND
Nitrobenzene	ND	ND	ND	ND		ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND		ND	ND
Isophorone	ND	ND	ND	ND		ND	ND
2-Nitrophenol	ND	ND	ND	ND		ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND		ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND		ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND		ND	ND
4-Chloroaniline	ND	ND	ND	ND		ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND		ND	ND
Naphthalene	32.78	0.18	32.13	0.16		48.20	0.25
2,6-Dichlorophenol	ND	ND	ND	ND		ND	ND
Hexachloropropene	ND	ND	ND	ND		ND	ND
Hexachlorobutadiene	ND	ND	ND	ND		ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND		ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND		ND	ND
Safrole	ND	ND	ND	ND		ND	ND
2-Methylnaphthalene	17.81	0.10	19.01	0.09		29.70	0.15
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND		ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND		ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND		ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND		ND	ND
2-Nitroaniline	ND	ND	ND	ND		ND	ND
Isosafrole	ND	ND	ND	ND		ND	ND
2-Chloronaphthalene	ND	ND	ND	ND		ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND		ND	ND
Dimethyl phthalate	ND	ND	ND	ND		ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND		ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND		ND	ND
3-Nitroaniline	ND	ND	ND	ND		ND	ND
Acenaphthylene	0.87	0.005	0.64	0.003	U	ND	ND

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Elizabeth, NJ (ELNJ)

2002 Final Data Report

Sample I.D.	24966			25030			25190		
File I.D.	ENG2812.D			ENG2817.D			ENG2877.D		
Date Sampled	01/02/02			01/08/02			01/14/02		
Date Analyzed	01/18/02			01/18/02			02/26/02		
	Actual Vol (m³)	179.9		Actual Vol (m³)	201.2		Actual Vol (m³)	193.2	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	0.55	0.003	U	0.57	0.003	U	1.37	0.01	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	0.86	0.005	U	0.93	0.005	U	1.53	0.01	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	118.39	0.66		28.10	0.14		48.73	0.25	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	0.89	0.005	U	1.17	0.01	U	1.62	0.01	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	2.11	0.01	U	2.29	0.01	U	3.45	0.02	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
 ND - Not Detected
 U - Under Detection Limit

SemiVolatile Samples - Elizabeth, NJ (ELNJ)

2002 Final Data Report

Sample I.D.	25332	25458	25610
File I.D.	ENG2883.D	ENG2903.D	ENG2919.D
Date Sampled	01/20/02	01/26/02	02/01/02
Date Analyzed	02/26/02	02/27/02	02/28/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	137.9	187.4	189.1

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	ND	ND		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	10.61	0.08	U	18.10	0.10		53.50	0.28	
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	26.03	0.19		71.24	0.38		74.37	0.39	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	9.86	0.07	U	34.91	0.19		46.29	0.24	
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	ND	ND		2.07	0.01	U	2.06	0.01	U

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Elizabeth, NJ (ELNJ)

2002 Final Data Report

Sample I.D.	25332		25458		25610	
File I.D.	ENG2883.D		ENG2903.D		ENG2919.D	
Date Sampled	01/20/02		01/26/02		02/01/02	
Date Analyzed	02/26/02		02/27/02		02/28/02	
	Actual Vol (m³)	137.9	Actual Vol (m³)	187.4	Actual Vol (m³)	189.1

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	2.41	0.01 U	2.41	0.01 U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	ND	ND	2.44	0.01 U	2.47	0.01 U
Pentachlorobenzene	ND	ND	ND	ND	ND	ND
1-Naphthylamine	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	43.42	0.23
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND
Fluorene	0.75	0.01 U	2.39	0.01 U	ND	ND
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND
Diallate	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND
Phenanthrene	1.63	0.01 U	3.99	0.02 U	6.02	0.03 U
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	ND	ND	ND	ND	ND	ND
Benzydine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Elizabeth, NJ (ELNJ)

2002 Final Data Report

Sample I.D.	25709	25891	25892
File I.D.	ENG2929.D	ENG3043.D	VOID
Date Sampled	02/07/02	02/13/02	02/19/02
Date Analyzed	02/28/02	03/28/02	
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	225.0	189.2	

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND	ND	ND		
Pyridine	ND	ND	ND	ND		
Ethyl methanesulfonate	ND	ND	ND	ND		
2-Picoline	ND	ND	ND	ND		
N-Nitrosomethylethylamine	ND	ND	ND	ND		
Methyl methanesulfonate	ND	ND	ND	ND		
N-Nitrosodiethylamine	ND	ND	ND	ND		
Phenol	31.87	0.14	ND	ND		
Pentachloroethane	ND	ND	ND	ND		
bis (2-Chloroethyl)ether	ND	ND	ND	ND		
Aniline	ND	ND	ND	ND		
2-Chlorophenol	ND	ND	ND	ND		
1,3-Dichlorobenzene	ND	ND	ND	ND		
1,4-Dichlorobenzene	31.96	0.14	9.71	0.05		U
Benzyl alcohol	ND	ND	ND	ND		
2-Methylphenol	ND	ND	ND	ND		
1,2-Dichlorobenzene	ND	ND	ND	ND		
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND		
3&4-Methylphenol	6.87	0.03	ND	ND		
N-Nitrosopyrrolidine	ND	ND	ND	ND		
N-Nitrosodipropylamine	ND	ND	ND	ND		
o-Toluidine	ND	ND	ND	ND		
Hexachloroethane	ND	ND	ND	ND		
Acetophenone	ND	ND	ND	ND		
Nitrobenzene	ND	ND	ND	ND		
N-Nitrosopiperidine	ND	ND	ND	ND		
Isophorone	ND	ND	ND	ND		
2-Nitrophenol	ND	ND	ND	ND		
2,4-Dimethylphenol	ND	ND	ND	ND		
bis(2-Chloroethoxy)methane	ND	ND	ND	ND		
2,4-Dichlorophenol	ND	ND	ND	ND		
4-Chloroaniline	ND	ND	ND	ND		
1,2,4-Trichlorobenzene	ND	ND	ND	ND		
Naphthalene	100.07	0.44	22.62	0.12		
2,6-Dichlorophenol	ND	ND	ND	ND		
Hexachloropropene	ND	ND	ND	ND		
Hexachlorobutadiene	ND	ND	ND	ND		
N-Nitrosodibutylamine	ND	ND	ND	ND		
4-Chloro-3-methylphenol	ND	ND	ND	ND		
Safrole	ND	ND	ND	ND		
2-Methylnaphthalene	52.40	0.23	12.16	0.06		U
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND		
2,4,6-Trichlorophenol	ND	ND	ND	ND		
Hexachlorocyclopentadiene	ND	ND	ND	ND		
2,4,5-Trichlorophenol	ND	ND	ND	ND		
2-Nitroaniline	ND	ND	ND	ND		
Isosafrole	ND	ND	ND	ND		
2-Chloronaphthalene	ND	ND	ND	ND		
1,4-Naphthoquinone	ND	ND	ND	ND		
Dimethyl phthalate	ND	ND	ND	ND		
1,3-Dinitrobenzene	ND	ND	ND	ND		
2,6-Dinitrotoluene	ND	ND	ND	ND		
3-Nitroaniline	ND	ND	ND	ND		
Acenaphthylene	3.70	0.02	ND	ND		

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Elizabeth, NJ (ELNJ)

2002 Final Data Report

Sample I.D.	25709	25891	25892
File I.D.	ENG2929.D	ENG3043.D	VOID
Date Sampled	02/07/02	02/13/02	02/19/02
Date Analyzed	02/28/02	03/28/02	
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	225.0	189.2	

Compound	Final Conc (µg)	Final µg/m ³		Final Conc (µg)	Final µg/m ³		Final Conc (µg)	Final µg/m ³
2,4-Dinitrophenol	ND	ND		ND	ND			
4-Nitrophenol	ND	ND		ND	ND			
Acenaphthene	2.08	0.01	U	0.40	0.002	U		
2,4-Dinitrotoluene	ND	ND		ND	ND			
2-Naphthylamine	ND	ND		ND	ND			
Dibenzofuran	3.68	0.02	U	0.66	0.003	U		
Pentachlorobenzene	ND	ND		ND	ND			
1-Naphthylamine	ND	ND		ND	ND			
Diethyl phthalate	69.86	0.31		23.01	0.12			
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND			
4-Nitroaniline	ND	ND		ND	ND			
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND			
Fluorene	3.47	0.02	U	0.54	0.003	U		
5-Nitro-o-toluidine	ND	ND		ND	ND			
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND			
Diphenylamine	ND	ND		ND	ND			
Azobenzene	ND	ND		ND	ND			
Phenacetin	ND	ND		ND	ND			
Diallate	ND	ND		ND	ND			
4-Bromophenyl phenyl ether	ND	ND		ND	ND			
4-Aminobiphenyl	ND	ND		ND	ND			
Hexachlorobenzene	ND	ND		ND	ND			
Pronamide	ND	ND		ND	ND			
Pentachlorophenol	ND	ND		ND	ND			
Pentachloronitrobenzene	ND	ND		ND	ND			
Phenanthrene	6.91	0.03	U	1.13	0.01	U		
Dinoseb	ND	ND		ND	ND			
Anthracene	ND	ND		ND	ND			
Carbazole	ND	ND		ND	ND			
Di-n-butyl phthalate	ND	ND		ND	ND			
Benzidine	ND	ND		ND	ND			
Isodrin	ND	ND		ND	ND			
Fluoranthene	0.90	0.004	U	ND	ND			
Pyrene	ND	ND		ND	ND			
4-Dimethylaminoazobenzene	ND	ND		ND	ND			
Chlorobenzilate	ND	ND		ND	ND			
3,3'-Dimethylbenzidine	ND	ND		ND	ND			
Butyl benzyl phthalate	ND	ND		ND	ND			
2-Acetylaminofluorene	ND	ND		ND	ND			
3-Methylcholanthrene	ND	ND		ND	ND			
3,3'-Dichlorobenzidine	ND	ND		ND	ND			
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND			
Benzo(a)anthracene	ND	ND		ND	ND			
Chrysene	ND	ND		ND	ND			
Di-n-octyl phthalate	ND	ND		ND	ND			
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND			
Benzo(b)fluoranthene	ND	ND		ND	ND			
Benzo(k)fluoranthene	ND	ND		ND	ND			
Benzo(a)pyrene	ND	ND		ND	ND			
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND			
Dibenz(a,h)anthracene	ND	ND		ND	ND			
Benzo(g,h,i)perylene	ND	ND		ND	ND			

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Elizabeth, NJ (ELNJ)

2002 Final Data Report

Sample I.D.	26059			26208			26292		
File I.D.	ENG3054.D			ENG3082.D			ENG3104.D		
Date Sampled	02/25/02			03/03/02			03/09/02		
Date Analyzed	03/29/02			04/10/02			04/11/02		
	Actual Vol (m ³)	175.5		Actual Vol (m ³)	188.4		Actual Vol (m ³)	188.8	
Compound	Final Conc (µg)	Final µg/m ³		Final Conc (µg)	Final µg/m ³		Final Conc (µg)	Final µg/m ³	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	ND	ND		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	15.00	0.09	U	4.97	0.03	U	62.83	0.33	
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	45.89	0.26		12.42	0.07		40.30	0.21	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	25.02	0.14		8.11	0.04	U	17.25	0.09	U
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorphenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dintrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	0.67	0.004	U	ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Elizabeth, NJ (ELNJ)

2002 Final Data Report

Sample I.D.	26059		26208		26292	
File I.D.	ENG3054.D		ENG3082.D		ENG3104.D	
Date Sampled	02/25/02		03/03/02		03/09/02	
Date Analyzed	03/29/02		04/10/02		04/11/02	
	Actual Vol (m³)	175.5	Actual Vol (m³)	188.4	Actual Vol (m³)	188.8

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	1.28	0.01	U	1.49	0.01	U	2.17	0.01	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	1.64	0.01	U	1.21	0.01	U	2.16	0.01	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	6.28	0.04	U	9.56	0.05	U	7.18	0.04	U
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	1.71	0.01	U	1.29	0.01	U	1.94	0.01	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	2.74	0.02	U	2.17	0.01	U	3.14	0.02	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND	
Benzydine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		0.68	0.004	U
Pyrene	ND	ND		ND	ND		0.42	0.002	U
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Elizabeth, NJ (ELNJ)

2002 Final Data Report

Sample I.D.	26349	26437	26538
File I.D.	ENG3119.D	ENG3129.D	ENG3159.D
Date Sampled	03/15/02	03/21/02	03/27/02
Date Analyzed	04/12/02	04/12/02	04/15/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	177.5	165.8	177.1

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND	ND	ND		ND	ND	
Pyridine	ND	ND	ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND	ND	ND		ND	ND	
2-Picoline	ND	ND	ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND	ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND	ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND	ND	ND		ND	ND	
Phenol	17.43	0.10	ND	ND		ND	ND	
Pentachloroethane	ND	ND	ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND	ND	ND		ND	ND	
Aniline	ND	ND	ND	ND		ND	ND	
2-Chlorophenol	ND	ND	ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND	ND	ND		ND	ND	
1,4-Dichlorobenzene	53.38	0.30	6.94	0.04	U	10.77	0.06	U
Benzyl alcohol	ND	ND	ND	ND		ND	ND	
2-Methylphenol	ND	ND	ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND	ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND		ND	ND	
3&4-Methylphenol	ND	ND	ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND	ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND	ND	ND		ND	ND	
o-Toluidine	ND	ND	ND	ND		ND	ND	
Hexachloroethane	ND	ND	ND	ND		ND	ND	
Acetophenone	ND	ND	ND	ND		ND	ND	
Nitrobenzene	ND	ND	ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND	ND	ND		ND	ND	
Isophorone	ND	ND	ND	ND		ND	ND	
2-Nitrophenol	ND	ND	ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND	ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND	ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND	ND	ND		ND	ND	
4-Chloroaniline	ND	ND	ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND	ND	ND		ND	ND	
Naphthalene	72.45	0.41	14.11	0.09		13.08	0.07	
2,6-Dichlorophenol	ND	ND	ND	ND		ND	ND	
Hexachloropropene	ND	ND	ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND	ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND	ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND	ND	ND		ND	ND	
Safrole	ND	ND	ND	ND		ND	ND	
2-Methylnaphthalene	34.04	0.19	6.88	0.04	U	6.81	0.04	U
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND	ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND	ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND	ND	ND		ND	ND	
2-Nitroaniline	ND	ND	ND	ND		ND	ND	
Isosafrole	ND	ND	ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND	ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND	ND	ND		ND	ND	
Dimethyl phthalate	ND	ND	ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND	ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND	ND	ND		ND	ND	
3-Nitroaniline	ND	ND	ND	ND		ND	ND	
Acenaphthylene	1.63	0.01	U	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Elizabeth, NJ (ELNJ)

2002 Final Data Report

Sample I.D.	26349		26437		26538	
File I.D.	ENG3119.D		ENG3129.D		ENG3159.D	
Date Sampled	03/15/02		03/21/02		03/27/02	
Date Analyzed	04/12/02		04/12/02		04/15/02	
	Actual Vol (m³)	177.5	Actual Vol (m³)	165.8	Actual Vol (m³)	177.1

Compound	Final Conc (µg)	Final µg/m ³		Final Conc (µg)	Final µg/m ³		Final Conc (µg)	Final µg/m ³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	2.55	0.01	U	1.28	0.01	U	ND	ND	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	2.17	0.01	U	0.61	0.004	U	0.89	0.01	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		10.32	0.06	U
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	2.45	0.01	U	0.63	0.004	U	ND	ND	
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	4.28	0.02	U	1.25	0.01	U	1.32	0.01	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND	
Benzydine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	1.10	0.01	U	ND	ND		ND	ND	
Pyrene	0.48	0.003	U	ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Elizabeth, NJ (ELNJ)

2002 Final Data Report

Sample I.D.	26591	26722	26910
File I.D.	ENG3194	ENG3206	ENG3218
Date Sampled	04/02/02	04/08/02	04/14/02
Date Analyzed	05/30/02	05/31/02	05/31/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	195.1	177.5	179.9

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	30.57	0.16	11.85	0.07	U	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	8.78	0.05	U	25.41
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	39.66	0.20	41.18	0.23	37.81	0.21
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	23.77	0.12	28.82	0.16	16.84	0.09
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Elizabeth, NJ (ELNJ)

2002 Final Data Report

Sample I.D.	26591		26722		26910	
File I.D.	ENG3194		ENG3206		ENG3218	
Date Sampled	04/02/02		04/08/02		04/14/02	
Date Analyzed	05/30/02		05/31/02		05/31/02	
	Actual Vol (m³)	195.1	Actual Vol (m³)	177.5	Actual Vol (m³)	179.9
Compound	Final Conc (µg)	Final µg/m³	Final Conc (µg)	Final µg/m³	Final Conc (µg)	Final µg/m³
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	1.69	0.009 U	2.23	0.01 U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	ND	ND	2.39	0.01 U	3.52	0.02 U
Pentachlorobenzene	ND	ND	ND	ND	ND	ND
1-Naphthylamine	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	1.31	0.007 U	2.55	0.01 U
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND
Diallate	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	4.04	0.02 U	5.09	0.03 U
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	ND	ND	ND	ND	ND	ND
Benzidine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Elizabeth, NJ (ELNJ)

2002 Final Data Report

Sample I.D.	27042			27301		27396
File I.D.	ENG3230			ENG3233		ENG3247
Date Sampled	04/20/02			04/26/02		05/02/02
Date Analyzed	06/04/02			06/04/02		06/05/02
	Actual Vol (m ³)	163.6		Actual Vol (m ³)	163.8	Actual Vol (m ³)
						158.7

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND		ND	ND	ND	ND
Pyridine	ND	ND		ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND		ND	ND	ND	ND
2-Picoline	ND	ND		ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND		ND	ND	ND	ND
Methyl methanesulfonate	ND	ND		ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND		ND	ND	ND	ND
Phenol	11.86	0.07	U	ND	ND	12.85	0.08
Pentachloroethane	ND	ND		ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND		ND	ND	ND	ND
Aniline	ND	ND		ND	ND	ND	ND
2-Chlorophenol	ND	ND		ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND		ND	ND	ND	ND
1,4-Dichlorobenzene	51.01	0.31		32.17	0.20	40.48	0.26
Benzyl alcohol	ND	ND		ND	ND	ND	ND
2-Methylphenol	ND	ND		ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND		ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND	ND	ND
3&4-Methylphenol	ND	ND		ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND		ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND		ND	ND	ND	ND
o-Toluidine	ND	ND		ND	ND	ND	ND
Hexachloroethane	ND	ND		ND	ND	ND	ND
Acetophenone	ND	ND		ND	ND	ND	ND
Nitrobenzene	ND	ND		ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND		ND	ND	ND	ND
Isophorone	ND	ND		ND	ND	ND	ND
2-Nitrophenol	ND	ND		ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND		ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND		ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND		ND	ND	ND	ND
4-Chloroaniline	ND	ND		ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND		ND	ND	ND	ND
Naphthalene	65.27	0.40		39.21	0.24	42.80	0.27
2,6-Dichlorophenol	ND	ND		ND	ND	ND	ND
Hexachloropropene	ND	ND		ND	ND	ND	ND
Hexachlorobutadiene	ND	ND		ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND		ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND		ND	ND	ND	ND
Safrole	ND	ND		ND	ND	ND	ND
2-Methylnaphthalene	24.29	0.15		19.23	0.12	19.89	0.13
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND		ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND		ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND		ND	ND	ND	ND
2-Nitroaniline	ND	ND		ND	ND	ND	ND
Isosafrole	ND	ND		ND	ND	ND	ND
2-Chloronaphthalene	ND	ND		ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND		ND	ND	ND	ND
Dimethyl phthalate	ND	ND		ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND		ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND		ND	ND	ND	ND
3-Nitroaniline	ND	ND		ND	ND	ND	ND
Acenaphthylene	ND	ND		ND	ND	ND	ND

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Elizabeth, NJ (ELNJ)

2002 Final Data Report

Sample I.D.	27042			27301			27396	
File I.D.	ENG3230			ENG3233			ENG3247	
Date Sampled	04/20/02			04/26/02			05/02/02	
Date Analyzed	06/04/02			06/04/02			06/05/02	
	Actual Vol (m³)	163.6		Actual Vol (m³)	163.8		Actual Vol (m³)	158.7

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	2.83	0.02	U	ND	ND		1.99	0.01	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	3.92	0.02	U	1.69	0.01	U	3.15	0.02	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	150.86	0.92		114.55	0.70		55.33	0.35	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	2.84	0.02	U	ND	ND		2.72	0.02	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	5.75	0.04	U	2.02	0.01	U	5.14	0.03	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		12.69	0.08	U
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Elizabeth, NJ (ELNJ)

2002 Final Data Report

Sample I.D.	27470	27528
File I.D.	ENG3245	ENG3264
Date Sampled	05/08/02	05/14/02
Date Analyzed	06/05/02	06/29/02
Actual Vol (m ³)	165.1	Actual Vol (m ³) 140.5

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND
Phenol	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND
Aniline	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND
1,4-Dichlorobenzene	4.91	0.03 U	6.79	0.05 U
Benzyl alcohol	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND
Naphthalene	10.16	0.06 U	15.59	0.11
2,6-Dichlorophenol	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND
Safrole	ND	ND	ND	ND
2-Methylnaphthalene	5.45	0.03 U	8.29	0.06 U
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - Elizabeth, NJ (ELNJ)

2002 Final Data Report

Sample I.D.	27470	27528
File I.D.	ENG3245	ENG3264
Date Sampled	05/08/02	05/14/02
Date Analyzed	06/05/02	06/29/02
Actual Vol (m ³)	165.1	140.5

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND	
Acenaphthene	1.41	0.009	U	1.56	0.01	U
2,4-Dinitrotoluene	ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND	
Dibenzofuran	ND	ND		ND	ND	
Pentachlorobenzene	ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND	
Diethyl phthalate	ND	ND		62.65	0.45	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND	
Fluorene	1.34	0.008	U	1.38	0.01	U
5-Nitro-o-toluidine	ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND	
Diallyl	ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND	
Phenanthrene	1.67	0.01	U	2.09	0.01	U
Dinoseb	ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND	
Di-n-butyl phthalate	7.75	0.05	U	ND	ND	
Benzidine	ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Lodge/696 - LOMI)

2002 Final Data Report

Sample I.D.	24955	25047	25187
File I.D.	ENG2808.D	ENG2840.D	ENG2873.D
Date Sampled	01/02/02	01/08/02	01/14/02
Date Analyzed	01/18/02	02/03/02	02/26/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	259.5	209.2	251.6

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	15.51	0.06	U	ND	24.20	0.10
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	13.88	0.05	5.80	0.03	U	34.08
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	2.36	0.01	U	ND	5.67	0.02
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	78.53	0.30	47.57	0.23	135.67	0.54
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	37.87	0.15	22.90	0.11	68.11	0.27
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	1.14	0.004	U	ND	3.01	0.01

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Lodge/696 - LOMI)

2002 Final Data Report

Sample I.D.	24955		25047		25187
File I.D.	ENG2808.D		ENG2840.D		ENG2873.D
Date Sampled	01/02/02		01/08/02		01/14/02
Date Analyzed	01/18/02		02/03/02		02/26/02
	Actual Vol (m ³)	259.5	Actual Vol (m ³)	209.2	Actual Vol (m ³) 251.6

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND
4-Nitrophenol	ND	ND		ND	ND		ND	ND
Acenaphthene	0.53	0.002	U	0.55	0.003	U	1.31	0.01
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND
2-Naphthylamine	ND	ND		ND	ND		ND	ND
Dibenzofuran	1.19	0.005	U	1.25	0.01	U	2.43	0.01
Pentachlorobenzene	ND	ND		ND	ND		ND	ND
1-Naphthylamine	ND	ND		ND	ND		ND	ND
Diethyl phthalate	ND	ND		ND	ND		ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND
4-Nitroaniline	ND	ND		ND	ND		ND	ND
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND
Fluorene	1.26	0.005	U	ND	ND		2.24	0.01
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND
Diphenylamine	ND	ND		ND	ND		ND	ND
Azobenzene	ND	ND		ND	ND		ND	ND
Phenacetin	ND	ND		ND	ND		ND	ND
Diallyl	ND	ND		ND	ND		ND	ND
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND
Hexachlorobenzene	ND	ND		ND	ND		ND	ND
Pronamide	ND	ND		ND	ND		ND	ND
Pentachlorophenol	ND	ND		ND	ND		ND	ND
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND
Phenanthrene	3.45	0.01	U	3.18	0.02	U	5.48	0.02
Dinoseb	ND	ND		ND	ND		ND	ND
Anthracene	ND	ND		ND	ND		ND	ND
Carbazole	ND	ND		ND	ND		ND	ND
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND
Benzidine	ND	ND		ND	ND		ND	ND
Isodrin	ND	ND		ND	ND		ND	ND
Fluoranthene	0.96	0.004	U	ND	ND		1.32	0.01
Pyrene	ND	ND		ND	ND		ND	ND
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND
Chlorobenzilate	ND	ND		ND	ND		ND	ND
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND
Chrysene	ND	ND		ND	ND		ND	ND
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Lodge/696 - LOMI)

2002 Final Data Report

Sample I.D.	25293	25418	25540 - Field Blank
File I.D.	ENG2895.D	ENG2900.D	ERG2909.D
Date Sampled	01/20/02	01/26/02	02/01/02
Date Analyzed	02/27/02	02/27/02	02/27/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	275.8	255.3	

Compound	Final Conc (µg)	Final µg/m ³	Final Conc (µg)	Final µg/m ³	Final Conc (µg)	Final µg/m ³
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	10.69	0.04 U	8.09	0.03 U	ND	ND
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	51.22	0.19	51.78	0.20	ND	ND
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	26.43	0.10	24.16	0.09	ND	ND
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	0.53	0.002 U	ND	ND	ND	ND

D - Dilution
 ND - Not Detected
 U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Lodge/696 - LOMI)

2002 Final Data Report

Sample I.D.	25293	25418	25540 - Field Blank
File I.D.	ENG2895.D	ENG2900.D	ERG2909.D
Date Sampled	01/20/02	01/26/02	02/01/02
Date Analyzed	02/27/02	02/27/02	02/27/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	275.8	255.3	

Compound	Final Conc (µg)	Final µg/m ³		Final Conc (µg)	Final µg/m ³		Final Conc (µg)	Final µg/m ³
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND
4-Nitrophenol	ND	ND		ND	ND		ND	ND
Acenaphthene	0.51	0.002	U	0.34	0.001	U	ND	ND
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND
2-Naphthylamine	ND	ND		ND	ND		ND	ND
Dibenzofuran	1.51	0.01	U	1.36	0.01	U	ND	ND
Pentachlorobenzene	ND	ND		ND	ND		ND	ND
1-Naphthylamine	ND	ND		ND	ND		ND	ND
Diethyl phthalate	ND	ND		ND	ND		ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND
4-Nitroaniline	ND	ND		ND	ND		ND	ND
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND
Fluorene	1.19	0.004	U	1.07	0.004	U	ND	ND
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND
Diphenylamine	ND	ND		ND	ND		ND	ND
Azobenzene	ND	ND		ND	ND		ND	ND
Phenacetin	ND	ND		ND	ND		ND	ND
Diallyate	ND	ND		ND	ND		ND	ND
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND
Hexachlorobenzene	ND	ND		ND	ND		ND	ND
Pronamide	ND	ND		ND	ND		ND	ND
Pentachlorophenol	ND	ND		ND	ND		ND	ND
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND
Phenanthrene	3.39	0.01	U	3.00	0.01	U	ND	ND
Dinoseb	ND	ND		ND	ND		ND	ND
Anthracene	ND	ND		ND	ND		ND	ND
Carbazole	ND	ND		ND	ND		ND	ND
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND
Benzidine	ND	ND		ND	ND		ND	ND
Isodrin	ND	ND		ND	ND		ND	ND
Fluoranthene	ND	ND		ND	ND		ND	ND
Pyrene	ND	ND		ND	ND		ND	ND
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND
Chlorobenzilate	ND	ND		ND	ND		ND	ND
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND
Chrysene	ND	ND		ND	ND		ND	ND
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND

D - Dilution
 ND - Not Detected
 U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Lodge/696 - LOMI)

2002 Final Data Report

Sample I.D.	25541			25662			25716	
File I.D.	ERG2910.D			ENG2925.D			ENG2946.D	
Date Sampled	02/01/02			02/07/02			02/13/02	
Date Analyzed	02/27/02			02/28/02			03/01/02	
	Actual Vol (m ³)	279.2		Actual Vol (m ³)	264.2		Actual Vol (m ³)	287.6

<u>Compound</u>	<u>Final Conc (ug)</u>	<u>Final ug/m³</u>		<u>Final Conc (ug)</u>	<u>Final ug/m³</u>		<u>Final Conc (ug)</u>	<u>Final ug/m³</u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	ND	ND		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	14.76	0.05	U	10.63	0.04	U	5.66	0.02	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	67.40	0.24		73.94	0.28		59.46	0.21	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	36.30	0.13		38.29	0.14		34.36	0.12	
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	ND	ND		ND	ND		ND	ND	

D - Dilution
 ND - Not Detected
 U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Lodge/696 - LOMI)

2002 Final Data Report

Sample I.D.	25541		25662		25716	
File I.D.	ERG2910.D		ENG2925.D		ENG2946.D	
Date Sampled	02/01/02		02/07/02		02/13/02	
Date Analyzed	02/27/02		02/28/02		03/01/02	
	Actual Vol (m ³)	279.2	Actual Vol (m ³)	264.2	Actual Vol (m ³)	287.6

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	0.93	0.003	U	0.39	0.001	U	0.68	0.002	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	1.31	0.005	U	1.69	0.01	U	0.81	0.003	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	1.53	0.01	U	1.20	0.005	U	0.86	0.003	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	3.62	0.01	U	4.14	0.02	U	2.54	0.01	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Lodge/696 - LOMI)

2002 Final Data Report

Sample I.D.	25842		26009		26108	
File I.D.	ENG3045.D		ENG3057.D		ENG3093.D	
Date Sampled	02/19/02		02/25/02		03/03/02	
Date Analyzed	03/28/02		03/29/02		04/11/02	
	Actual Vol (m ³)	252.5	Actual Vol (m ³)	283.8	Actual Vol (m ³)	285.8

Compound	Final Conc (µg)	Final µg/m ³	Final Conc (µg)	Final µg/m ³		Final Conc (µg)	Final µg/m ³	
N-Nitrosodimethylamine	ND	ND	ND	ND		ND	ND	
Pyridine	ND	ND	ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND	ND	ND		ND	ND	
2-Picoline	ND	ND	ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND	ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND	ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND	ND	ND		ND	ND	
Phenol	ND	ND	ND	ND		ND	ND	
Pentachloroethane	ND	ND	ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND	ND	ND		ND	ND	
Aniline	ND	ND	ND	ND		ND	ND	
2-Chlorophenol	ND	ND	ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND	ND	ND		ND	ND	
1,4-Dichlorobenzene	17.97	0.07	9.30	0.03	U	4.51	0.02	U
Benzyl alcohol	ND	ND	ND	ND		ND	ND	
2-Methylphenol	ND	ND	ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND	ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND		ND	ND	
3&4-Methylphenol	2.32	0.01	U	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND	ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND	ND	ND		ND	ND	
o-Toluidine	ND	ND	ND	ND		ND	ND	
Hexachloroethane	ND	ND	ND	ND		ND	ND	
Acetophenone	ND	ND	ND	ND		ND	ND	
Nitrobenzene	ND	ND	ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND	ND	ND		ND	ND	
Isophorone	ND	ND	ND	ND		ND	ND	
2-Nitrophenol	ND	ND	ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND	ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND	ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND	ND	ND		ND	ND	
4-Chloroaniline	ND	ND	ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND	ND	ND		ND	ND	
Naphthalene	90.18	0.36	48.37	0.17		15.21	0.05	
2,6-Dichlorophenol	ND	ND	ND	ND		ND	ND	
Hexachloropropene	ND	ND	ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND	ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND	ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND	ND	ND		ND	ND	
Safrole	ND	ND	ND	ND		ND	ND	
2-Methylnaphthalene	54.47	0.22	26.37	0.09		7.34	0.03	U
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND	ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND	ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND	ND	ND		ND	ND	
2-Nitroaniline	ND	ND	ND	ND		ND	ND	
Isosafrole	ND	ND	ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND	ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND	ND	ND		ND	ND	
Dimethyl phthalate	ND	ND	ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND	ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND	ND	ND		ND	ND	
3-Nitroaniline	ND	ND	ND	ND		ND	ND	
Acenaphthylene	1.71	0.01	U	0.43	0.002	U	ND	ND

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Lodge/696 - LOMI)

2002 Final Data Report

Sample I.D.	25842		26009		26108	
File I.D.	ENG3045.D		ENG3057.D		ENG3093.D	
Date Sampled	02/19/02		02/25/02		03/03/02	
Date Analyzed	03/28/02		03/29/02		04/11/02	
	Actual Vol (m³)	252.5	Actual Vol (m³)	283.8	Actual Vol (m³)	285.8

Compound	Final Conc (µg)	Final µg/m ³		Final Conc (µg)	Final µg/m ³		Final Conc (µg)	Final µg/m ³
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND
4-Nitrophenol	ND	ND		ND	ND		ND	ND
Acenaphthene	0.93	0.004	U	0.58	0.002	U	ND	ND
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND
2-Naphthylamine	ND	ND		ND	ND		ND	ND
Dibenzofuran	1.62	0.01	U	1.15	0.004	U	ND	ND
Pentachlorobenzene	ND	ND		ND	ND		ND	ND
1-Naphthylamine	ND	ND		ND	ND		ND	ND
Diethyl phthalate	ND	ND		ND	ND		ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND
4-Nitroaniline	ND	ND		ND	ND		ND	ND
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND
Fluorene	2.01	0.01	U	1.04	0.004	U	ND	ND
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND
Diphenylamine	ND	ND		ND	ND		ND	ND
Azobenzene	ND	ND		ND	ND		ND	ND
Phenacetin	ND	ND		ND	ND		ND	ND
Diallate	ND	ND		ND	ND		ND	ND
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND
Hexachlorobenzene	ND	ND		ND	ND		ND	ND
Pronamide	ND	ND		ND	ND		ND	ND
Pentachlorophenol	ND	ND		ND	ND		ND	ND
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND
Phenanthrene	4.00	0.02	U	2.74	0.01	U	0.74	0.003
Dinoseb	ND	ND		ND	ND		ND	ND
Anthracene	0.33	0.001	U	ND	ND		ND	ND
Carbazole	ND	ND		ND	ND		ND	ND
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND
Benzidine	ND	ND		ND	ND		ND	ND
Isodrin	ND	ND		ND	ND		ND	ND
Fluoranthene	ND	ND		1.02	0.004	U	ND	ND
Pyrene	ND	ND		0.74	0.003	U	ND	ND
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND
Chlorobenzilate	ND	ND		ND	ND		ND	ND
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND
Chrysene	ND	ND		ND	ND		ND	ND
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Lodge/696 - LOMI)

2002 Final Data Report

Sample I.D.	26241		26370		26474
File I.D.	ENG3111.D		ENG3125.D		VOID
Date Sampled	03/09/02		03/15/02		03/21/02
Date Analyzed	04/12/02		04/12/02		
	Actual Vol (m ³)	271.5	Actual Vol (m ³)	254.0	Actual Vol (m ³)

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND		ND	ND			
Pyridine	ND	ND		ND	ND			
Ethyl methanesulfonate	ND	ND		ND	ND			
2-Picoline	ND	ND		ND	ND			
N-Nitrosomethylethylamine	ND	ND		ND	ND			
Methyl methanesulfonate	ND	ND		ND	ND			
N-Nitrosodiethylamine	ND	ND		ND	ND			
Phenol	ND	ND		ND	ND			
Pentachloroethane	ND	ND		ND	ND			
bis (2-Chloroethyl)ether	ND	ND		ND	ND			
Aniline	ND	ND		ND	ND			
2-Chlorophenol	ND	ND		ND	ND			
1,3-Dichlorobenzene	ND	ND		ND	ND			
1,4-Dichlorobenzene	6.48	0.02	U	11.85	0.05	U		
Benzyl alcohol	ND	ND		ND	ND			
2-Methylphenol	ND	ND		ND	ND			
1,2-Dichlorobenzene	ND	ND		ND	ND			
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND			
3&4-Methylphenol	ND	ND		ND	ND			
N-Nitrosopyrrolidine	ND	ND		ND	ND			
N-Nitrosodipropylamine	ND	ND		ND	ND			
o-Toluidine	ND	ND		ND	ND			
Hexachloroethane	ND	ND		ND	ND			
Acetophenone	ND	ND		ND	ND			
Nitrobenzene	ND	ND		ND	ND			
N-Nitrosopiperidine	ND	ND		ND	ND			
Isophorone	ND	ND		ND	ND			
2-Nitrophenol	ND	ND		ND	ND			
2,4-Dimethylphenol	ND	ND		ND	ND			
bis(2-Chloroethoxy)methane	ND	ND		ND	ND			
2,4-Dichlorophenol	ND	ND		ND	ND			
4-Chloroaniline	ND	ND		ND	ND			
1,2,4-Trichlorobenzene	ND	ND		ND	ND			
Naphthalene	16.47	0.06		45.04	0.18			
2,6-Dichlorophenol	ND	ND		ND	ND			
Hexachloropropene	ND	ND		ND	ND			
Hexachlorobutadiene	ND	ND		ND	ND			
N-Nitrosodibutylamine	ND	ND		ND	ND			
4-Chloro-3-methylphenol	ND	ND		ND	ND			
Safrole	ND	ND		ND	ND			
2-Methylnaphthalene	9.04	0.03	U	22.23	0.09			
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND			
2,4,6-Trichlorophenol	ND	ND		ND	ND			
Hexachlorocyclopentadiene	ND	ND		ND	ND			
2,4,5-Trichlorophenol	ND	ND		ND	ND			
2-Nitroaniline	ND	ND		ND	ND			
Isosafrole	ND	ND		ND	ND			
2-Chloronaphthalene	ND	ND		ND	ND			
1,4-Naphthoquinone	ND	ND		ND	ND			
Dimethyl phthalate	ND	ND		ND	ND			
1,3-Dinitrobenzene	ND	ND		ND	ND			
2,6-Dinitrotoluene	ND	ND		ND	ND			
3-Nitroaniline	ND	ND		ND	ND			
Acenaphthylene	ND	ND		0.60	0.002	U		

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Lodge/696 - LOMI)

2002 Final Data Report

Sample I.D.	26241		26370		26474
File I.D.	ENG3111.D		ENG3125.D		VOID
Date Sampled	03/09/02		03/15/02		03/21/02
Date Analyzed	04/12/02		04/12/02		
	Actual Vol (m ³)	271.5	Actual Vol (m ³)	254.0	Actual Vol (m ³)

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
2,4-Dinitrophenol	ND	ND		ND	ND			
4-Nitrophenol	ND	ND		ND	ND			
Acenaphthene	ND	ND		ND	ND			
2,4-Dinitrotoluene	ND	ND		ND	ND			
2-Naphthylamine	ND	ND		ND	ND			
Dibenzofuran	0.71	0.003	U	0.76	0.003	U		
Pentachlorobenzene	ND	ND		ND	ND			
1-Naphthylamine	ND	ND		ND	ND			
Diethyl phthalate	ND	ND		ND	ND			
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND			
4-Nitroaniline	ND	ND		ND	ND			
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND			
Fluorene	0.60	0.002	U	0.94	0.004	U		
5-Nitro-o-toluidine	ND	ND		ND	ND			
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND			
Diphenylamine	ND	ND		ND	ND			
Azobenzene	ND	ND		ND	ND			
Phenacetin	ND	ND		ND	ND			
Diallate	ND	ND		ND	ND			
4-Bromophenyl phenyl ether	ND	ND		ND	ND			
4-Aminobiphenyl	ND	ND		ND	ND			
Hexachlorobenzene	ND	ND		ND	ND			
Pronamide	ND	ND		ND	ND			
Pentachlorophenol	ND	ND		ND	ND			
Pentachloronitrobenzene	ND	ND		ND	ND			
Phenanthrene	1.67	0.01	U	1.95	0.01	U		
Dinoseb	ND	ND		ND	ND			
Anthracene	ND	ND		ND	ND			
Carbazole	ND	ND		ND	ND			
Di-n-butyl phthalate	ND	ND		ND	ND			
Benzidine	ND	ND		ND	ND			
Isodrin	ND	ND		ND	ND			
Fluoranthene	ND	ND		ND	ND			
Pyrene	ND	ND		ND	ND			
4-Dimethylaminoazobenzene	ND	ND		ND	ND			
Chlorobenzilate	ND	ND		ND	ND			
3,3'-Dimethylbenzidine	ND	ND		ND	ND			
Butyl benzyl phthalate	ND	ND		ND	ND			
2-Acetylaminofluorene	ND	ND		ND	ND			
3-Methylcholanthrene	ND	ND		ND	ND			
3,3'-Dichlorobenzidine	ND	ND		ND	ND			
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND			
Benzo(a)anthracene	ND	ND		ND	ND			
Chrysene	ND	ND		ND	ND			
Di-n-octyl phthalate	ND	ND		ND	ND			
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND			
Benzo(b)fluoranthene	ND	ND		ND	ND			
Benzo(k)fluoranthene	ND	ND		ND	ND			
Benzo(a)pyrene	ND	ND		ND	ND			
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND			
Dibenz(a,h)anthracene	ND	ND		ND	ND			
Benzo(g,h,i)perylene	ND	ND		ND	ND			

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Lodge/696 - LOMI)

2002 Final Data Report

Sample I.D.	26482 - Field Blank		26471		26577		
File I.D.	ENG3135.D		ENG3133.D		ENG3186		
Date Sampled	03/21/02		03/27/02		04/02/02		
Date Analyzed	04/12/02		04/12/02		05/30/02		
	Actual Vol (m ³)		Actual Vol (m ³)		263.6	Actual Vol (m ³)	282.7
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND	ND	ND		ND	ND
Pyridine	ND	ND	ND	ND		ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND		ND	ND
2-Picoline	ND	ND	ND	ND		ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND		ND	ND
Methyl methanesulfonate	ND	ND	ND	ND		ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND		ND	ND
Phenol	ND	ND	ND	ND		9.72	0.03
Pentachloroethane	ND	ND	ND	ND		ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND		ND	ND
Aniline	ND	ND	ND	ND		ND	ND
2-Chlorophenol	ND	ND	ND	ND		ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND		ND	ND
1,4-Dichlorobenzene	ND	ND	6.11	0.02	U	15.06	0.05
Benzyl alcohol	ND	ND	ND	ND		ND	ND
2-Methylphenol	ND	ND	ND	ND		ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND		ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND		ND	ND
3&4-Methylphenol	ND	ND	ND	ND		ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND		ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND		ND	ND
o-Toluidine	ND	ND	ND	ND		ND	ND
Hexachloroethane	ND	ND	ND	ND		ND	ND
Acetophenone	ND	ND	ND	ND		ND	ND
Nitrobenzene	ND	ND	ND	ND		ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND		ND	ND
Isophorone	ND	ND	ND	ND		ND	ND
2-Nitrophenol	ND	ND	ND	ND		ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND		ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND		ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND		ND	ND
4-Chloroaniline	ND	ND	ND	ND		ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND		ND	ND
Naphthalene	ND	ND	34.01	0.13		70.27	0.25
2,6-Dichlorophenol	ND	ND	ND	ND		ND	ND
Hexachloropropene	ND	ND	ND	ND		ND	ND
Hexachlorobutadiene	ND	ND	ND	ND		ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND		ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND		ND	ND
Safrole	ND	ND	ND	ND		ND	ND
2-Methylnaphthalene	ND	ND	18.35	0.07	U	39.25	0.14
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND		ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND		ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND		ND	ND
2,4,5-Trichlorphenol	ND	ND	ND	ND		ND	ND
2-Nitroaniline	ND	ND	ND	ND		ND	ND
Isosafrole	ND	ND	ND	ND		ND	ND
2-Chloronaphthalene	ND	ND	ND	ND		ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND		ND	ND
Dimethyl phthalate	ND	ND	ND	ND		ND	ND
1,3-Dintrobenzene	ND	ND	ND	ND		ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND		ND	ND
3-Nitroaniline	ND	ND	ND	ND		ND	ND
Acenaphthylene	ND	ND	ND	ND		ND	ND

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Lodge/696 - LOMI)

2002 Final Data Report

Sample I.D.	26482 - Field Blank		26471		26577			
File I.D.	ENG3135.D		ENG3133.D		ENG3186			
Date Sampled	03/21/02		03/27/02		04/02/02			
Date Analyzed	04/12/02		04/12/02		05/30/02			
	Actual Vol (m ³)		Actual Vol (m ³)		263.6	Actual Vol (m ³)	282.7	
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND	ND	ND		ND	ND	
4-Nitrophenol	ND	ND	ND	ND		ND	ND	
Acenaphthene	ND	ND	0.44	0.002	U	1.56	0.006	U
2,4-Dinitrotoluene	ND	ND	ND	ND		ND	ND	
2-Naphthylamine	ND	ND	ND	ND		ND	ND	
Dibenzofuran	ND	ND	0.73	0.003	U	0.70	0.002	U
Pentachlorobenzene	ND	ND	ND	ND		ND	ND	
1-Naphthylamine	ND	ND	ND	ND		ND	ND	
Diethyl phthalate	ND	ND	ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND		ND	ND	
4-Nitroaniline	ND	ND	ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND		ND	ND	
Fluorene	ND	ND	ND	ND		0.87	0.003	U
5-Nitro-o-toluidine	ND	ND	ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND		ND	ND	
Diphenylamine	ND	ND	ND	ND		ND	ND	
Azobenzene	ND	ND	ND	ND		ND	ND	
Phenacetin	ND	ND	ND	ND		ND	ND	
Diallate	ND	ND	ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND	ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND	ND	ND		ND	ND	
Hexachlorobenzene	ND	ND	ND	ND		ND	ND	
Pronamide	ND	ND	ND	ND		ND	ND	
Pentachlorophenol	ND	ND	ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND	ND	ND		ND	ND	
Phenanthrene	ND	ND	1.51	0.01	U	2.73	0.01	U
Dinoseb	ND	ND	ND	ND		ND	ND	
Anthracene	ND	ND	ND	ND		ND	ND	
Carbazole	ND	ND	ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND	ND	ND		ND	ND	
Benzidine	ND	ND	ND	ND		ND	ND	
Isodrin	ND	ND	ND	ND		ND	ND	
Fluoranthene	ND	ND	ND	ND		ND	ND	
Pyrene	ND	ND	ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND	ND	ND		ND	ND	
Chlorobenzilate	ND	ND	ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND	ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND	ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND	ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND	ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND	ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND	ND	ND		ND	ND	
Chrysene	ND	ND	ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND	ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND	ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND	ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND	ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND	ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND	ND	ND		ND	ND	

D - Dilution
 ND - Not Detected
 U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Lodge/696 - LOMI)

2002 Final Data Report

Sample I.D.	26694	26837	26999
File I.D.	ENG3204	ENG3212	ENG3223
Date Sampled	04/08/02	04/14/02	04/20/02
Date Analyzed	05/31/02	05/31/02	05/31/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	280.6	323.2	263.3

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND	
Pyridine	ND	ND	ND	ND	ND	ND	
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND	
2-Picoline	ND	ND	ND	ND	ND	ND	
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND	
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND	
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND	
Phenol	18.97	0.07	26.68	0.08	ND	ND	
Pentachloroethane	ND	ND	ND	ND	ND	ND	
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND	
Aniline	ND	ND	ND	ND	ND	ND	
2-Chlorophenol	ND	ND	ND	ND	ND	ND	
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	
1,4-Dichlorobenzene	41.73	0.15	35.47	0.11	6.46	0.02	U
Benzyl alcohol	ND	ND	ND	ND	ND	ND	
2-Methylphenol	ND	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	
3&4-Methylphenol	ND	ND	ND	0.003	ND	ND	U
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND	
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND	
o-Toluidine	ND	ND	ND	ND	ND	ND	
Hexachloroethane	ND	ND	ND	ND	ND	ND	
Acetophenone	ND	ND	31.05	0.10	ND	ND	
Nitrobenzene	ND	ND	ND	ND	ND	ND	
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND	
Isophorone	ND	ND	ND	ND	ND	ND	
2-Nitrophenol	ND	ND	ND	ND	ND	ND	
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND	
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	
4-Chloroaniline	ND	ND	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	
Naphthalene	133.84	0.48	122.39	0.38	17.84	0.07	
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND	
Hexachloropropene	ND	ND	ND	ND	ND	ND	
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND	
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND	
Safrole	ND	ND	ND	ND	ND	ND	
2-Methylnaphthalene	70.31	0.25	51.45	0.16	8.07	0.03	U
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND	
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	
2-Nitroaniline	ND	ND	ND	ND	ND	ND	
Isosafrole	ND	ND	ND	ND	ND	ND	
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND	
Dimethyl phthalate	ND	ND	ND	ND	ND	ND	
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND	
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	
3-Nitroaniline	ND	ND	ND	ND	ND	ND	
Acenaphthylene	ND	ND	ND	ND	ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Lodge/696 - LOMI)

2002 Final Data Report

Sample I.D.	26694			26837			26999	
File I.D.	ENG3204			ENG3212			ENG3223	
Date Sampled	04/08/02			04/14/02			04/20/02	
Date Analyzed	05/31/02			05/31/02			05/31/02	
	Actual Vol (m³)	280.6		Actual Vol (m³)	323.2		Actual Vol (m³)	263.3

Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	2.39	0.009	U	1.92	0.01	U	ND	ND	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	3.49	0.01	U	4.23	0.01	U	ND	ND	
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	3.11	0.01	U	3.42	0.01	U	ND	ND	
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallyl	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	7.35	0.03	U	9.49	0.03	U	2.37	0.01	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND	
Benidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (Lodge/696 - LOMI)

2002 Final Data Report

Sample I.D. 27080
File I.D. ENG3232
Date Sampled 04/26/02
Date Analyzed 06/04/02
 Actual Vol (m³)

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND	
Pyridine	ND	ND	
Ethyl methanesulfonate	ND	ND	
2-Picoline	ND	ND	
N-Nitrosomethylethylamine	ND	ND	
Methyl methanesulfonate	ND	ND	
N-Nitrosodiethylamine	ND	ND	
Phenol	11.89	0.03	U
Pentachloroethane	ND	ND	
bis (2-Chloroethyl)ether	ND	ND	
Aniline	ND	ND	
2-Chlorophenol	ND	ND	
1,3-Dichlorobenzene	ND	ND	
1,4-Dichlorobenzene	25.39	0.07	
Benzyl alcohol	ND	ND	
2-Methylphenol	ND	ND	
1,2-Dichlorobenzene	ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND	
3&4-Methylphenol	ND	ND	
N-Nitrosopyrrolidine	ND	ND	
N-Nitrosodipropylamine	ND	ND	
o-Toluidine	ND	ND	
Hexachloroethane	ND	ND	
Acetophenone	ND	ND	
Nitrobenzene	ND	ND	
N-Nitrosopiperidine	ND	ND	
Isophorone	ND	ND	
2-Nitrophenol	ND	ND	
2,4-Dimethylphenol	ND	ND	
bis(2-Chloroethoxy)methane	ND	ND	
2,4-Dichlorophenol	ND	ND	
4-Chloroaniline	ND	ND	
1,2,4-Trichlorobenzene	ND	ND	
Naphthalene	75.33	0.21	
2,6-Dichlorophenol	ND	ND	
Hexachloropropene	ND	ND	
Hexachlorobutadiene	ND	ND	
N-Nitrosodibutylamine	ND	ND	
4-Chloro-3-methylphenol	ND	ND	
Safrole	ND	ND	
2-Methylnaphthalene	41.75	0.11	
1,2,4,5-Tetrachlorobenzene	ND	ND	
2,4,6-Trichlorophenol	ND	ND	
Hexachlorocyclopentadiene	ND	ND	
2,4,5-Trichlorophenol	ND	ND	
2-Nitroaniline	ND	ND	
Isosafrole	ND	ND	
2-Chloronaphthalene	ND	ND	
1,4-Naphthoquinone	ND	ND	
Dimethyl phthalate	ND	ND	
1,3-Dinitrobenzene	ND	ND	
2,6-Dinitrotoluene	ND	ND	
3-Nitroaniline	ND	ND	
Acenaphthylene	ND	ND	

SemiVolatile Samples - Detroit, MI (Lodge/696 - LOMI)

2002 Final Data Report

Sample I.D. 27080
File I.D. ENG3232
Date Sampled 04/26/02
Date Analyzed 06/04/02
 Actual Vol (m³)

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND	
4-Nitrophenol	ND	ND	
Acenaphthene	1.51	0.004	U
2,4-Dinitrotoluene	ND	ND	
2-Naphthylamine	ND	ND	
Dibenzofuran	0.96	0.003	U
Pentachlorobenzene	ND	ND	
1-Naphthylamine	ND	ND	
Diethyl phthalate	ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND	
4-Nitroaniline	ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND	
Fluorene	1.23	0.003	U
5-Nitro-o-toluidine	ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND	
Diphenylamine	ND	ND	
Azobenzene	ND	ND	
Phenacetin	ND	ND	
Diallate	ND	ND	
4-Bromophenyl phenyl ether	ND	ND	
4-Aminobiphenyl	ND	ND	
Hexachlorobenzene	ND	ND	
Pronamide	ND	ND	
Pentachlorophenol	ND	ND	
Pentachloronitrobenzene	ND	ND	
Phenanthrene	2.88	0.01	U
Dinoseb	ND	ND	
Anthracene	ND	ND	
Carbazole	ND	ND	
Di-n-butyl phthalate	ND	ND	
Benzidine	ND	ND	
Isodrin	ND	ND	
Fluoranthene	ND	ND	
Pyrene	ND	ND	
4-Dimethylaminoazobenzene	ND	ND	
Chlorobenzilate	ND	ND	
3,3'-Dimethylbenzidine	ND	ND	
Butyl benzyl phthalate	ND	ND	
2-Acetylaminofluorene	ND	ND	
3-Methylcholanthrene	ND	ND	
3,3'-Dichlorobenzidine	ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND	
Benzo(a)anthracene	ND	ND	
Chrysene	ND	ND	
Di-n-octyl phthalate	ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND	
Benzo(b)fluoranthene	ND	ND	
Benzo(k)fluoranthene	ND	ND	
Benzo(a)pyrene	ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND	
Dibenz(a,h)anthracene	ND	ND	
Benzo(g,h,i)perylene	ND	ND	

SemiVolatile Samples - New Brunswick, NJ (NBNJ)

2002 Final Data Report

Sample I.D.	24968		25029		25192	
File I.D.	ENG2813.D		ENG2816.D		ENG2879.D	
Date Sampled	01/02/02		01/08/02		01/14/02	
Date Analyzed	01/18/02		01/18/02		02/26/02	
	Actual Vol (m ³)	200.1	Actual Vol (m ³)	228.1	Actual Vol (m ³)	230.7
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	11.22	0.05	U	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	9.65	0.05	U	7.40	0.03	U
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	19.04	0.10	16.32	0.07	33.60	0.15
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	ND	ND	6.79	0.03	U	14.71
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND

D - Dilution
 ND - Not Detected
 U - Under Detection Limit

SemiVolatile Samples - New Brunswick, NJ (NBNJ)

2002 Final Data Report

Sample I.D.	24968		25029		25192	
File I.D.	ENG2813.D		ENG2816.D		ENG2879.D	
Date Sampled	01/02/02		01/08/02		01/14/02	
Date Analyzed	01/18/02		01/18/02		02/26/02	
	Actual Vol (m ³)	200.1	Actual Vol (m ³)	228.1	Actual Vol (m ³)	230.7
Compound	Final Conc (µg)	Final µg/m³	Final Conc (µg)	Final µg/m³	Final Conc (µg)	Final µg/m³
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	0.79	0.003 U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	ND	ND	ND	ND	1.03	0.004 U
Pentachlorobenzene	ND	ND	ND	ND	ND	ND
1-Naphthylamine	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND
Fluorene	0.35	0.002 U	0.36	0.002 U	0.82	0.004 U
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND
Diallate	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	1.03	0.005 U	1.70	0.01 U
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	ND	ND	22.31	0.10	40.44	0.18
Benzydine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - New Brunswick, NJ (NBNJ)

2002 Final Data Report

Sample I.D.	25331		25459		25609	
File I.D.	ENG2882.D		ENG2904.D		ENG2918.D	
Date Sampled	01/20/02		01/26/02		02/01/02	
Date Analyzed	02/26/02		02/27/02		02/28/02	
	Actual Vol (m ³)	274.9	Actual Vol (m ³)	271.5	Actual Vol (m ³)	211.2
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	22.25	0.08	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	28.98	0.11	42.49	0.20
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	43.57	0.16	56.08	0.21	58.18	0.27
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	ND	ND	22.50	0.08	28.70	0.14
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	0.88	0.004 U

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - New Brunswick, NJ (NBNJ)

2002 Final Data Report

Sample I.D.	25331			25459			25609		
File I.D.	ENG2882.D			ENG2904.D			ENG2918.D		
Date Sampled	01/20/02			01/26/02			02/01/02		
Date Analyzed	02/26/02			02/27/02			02/28/02		
	Actual Vol (m ³)	274.9		Actual Vol (m ³)	271.5		Actual Vol (m ³)	211.2	
Compound	Final Conc (µg)	Final µg/m ³		Final Conc (µg)	Final µg/m ³		Final Conc (µg)	Final µg/m ³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	0.36	0.001	U	1.15	0.004	U	1.38	0.01	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	1.87	0.01	U	2.04	0.01	U	1.77	0.01	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	1.14	0.004	U	1.47	0.01	U	1.72	0.01	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	2.39	0.01	U	2.42	0.01	U	3.35	0.02	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		15.52	0.06	U	19.61	0.09	
Benzdine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - New Brunswick, NJ (NBNJ)

2002 Final Data Report

Sample I.D.	25711		25890		25894	
File I.D.	ENG2931.D		ENG3042.D		ENG3049.D	
Date Sampled	02/07/02		02/13/02		02/19/02	
Date Analyzed	02/28/02		03/28/02		03/29/02	
	Actual Vol (m ³)	236.2	Actual Vol (m ³)	271.6	Actual Vol (m ³)	229.8
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	30.69	0.13	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	27.38	0.12	5.20	0.02	17.89	0.08
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	57.43	0.24	13.26	0.05	34.67	0.15
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	21.82	0.09	5.34	0.02	13.32	0.06
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	0.34	0.001

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - New Brunswick, NJ (NBNJ)

2002 Final Data Report

Sample I.D.	25711			25890			25894		
File I.D.	ENG2931.D			ENG3042.D			ENG3049.D		
Date Sampled	02/07/02			02/13/02			02/19/02		
Date Analyzed	02/28/02			03/28/02			03/29/02		
	Actual Vol (m ³)	236.2		Actual Vol (m ³)	271.6		Actual Vol (m ³)	229.8	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	0.89	0.004	U	0.23	0.001	U	0.66	0.003	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	2.01	0.01	U	0.44	0.002	U	1.13	0.005	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	1.62	0.01	U	0.26	0.001	U	0.79	0.003	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	2.53	0.01	U	0.71	0.003	U	1.54	0.01	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	11.70	0.05	U	ND	ND		7.97	0.03	U
Benzydine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - New Brunswick, NJ (NBNJ)

2002 Final Data Report

Sample I.D.	26057		26209		26291	
File I.D.	ENG3052.D		ENG3095.D		ENG3103.D	
Date Sampled	02/25/02		03/03/02		03/09/02	
Date Analyzed	03/29/02		04/11/02		04/11/02	
	Actual Vol (m³)	236.1	Actual Vol (m³)	219.4	Actual Vol (m³)	269.3

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	19.81	0.08	3.78	0.02 U	28.98	0.11
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	25.31	0.11	4.92	0.02 U	18.60	0.07
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	9.26	0.04 U	ND	ND	6.79	0.03 U
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - New Brunswick, NJ (NBNJ)

2002 Final Data Report

Sample I.D.	26057			26209			26291		
File I.D.	ENG3052.D			ENG3095.D			ENG3103.D		
Date Sampled	02/25/02			03/03/02			03/09/02		
Date Analyzed	03/29/02			04/11/02			04/11/02		
	Actual Vol (m³)	236.1		Actual Vol (m³)	219.4		Actual Vol (m³)	269.3	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	0.51	0.002	U	ND	ND		1.06	0.004	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	0.97	0.004	U	ND	ND		1.20	0.004	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		8.64	0.03	U
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	0.57	0.002	U	ND	ND		0.62	0.002	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	1.05	0.004	U	0.80	0.004	U	1.01	0.004	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	32.24	0.14		5.21	0.02	U	11.84	0.04	U
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - New Brunswick, NJ (NBNJ)

2002 Final Data Report

Sample I.D.	26352		26435		26537	
File I.D.	ENG3122.D		ENG3127.D		ENG3158.D	
Date Sampled	03/15/02		03/21/02		03/27/02	
Date Analyzed	04/12/02		04/12/02		04/15/02	
	Actual Vol (m³)	238.8	Actual Vol (m³)	223.3	Actual Vol (m³)	205.6

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	ND	ND		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	13.14	0.06	U	6.17	0.03	U	8.19	0.04	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	12.67	0.05		7.71	0.03	U	10.90	0.05	U
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	6.45	0.03	U	2.97	0.01	U	4.88	0.02	U
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - New Brunswick, NJ (NBNJ)

2002 Final Data Report

Sample I.D.	26352			26435			26537		
File I.D.	ENG3122.D			ENG3127.D			ENG3158.D		
Date Sampled	03/15/02			03/21/02			03/27/02		
Date Analyzed	04/12/02			04/12/02			04/15/02		
	Actual Vol (m ³)	238.8		Actual Vol (m ³)	223.3		Actual Vol (m ³)	205.6	
Compound	Final Conc (µg)	Final µg/m ³		Final Conc (µg)	Final µg/m ³		Final Conc (µg)	Final µg/m ³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	1.04	0.004	U	ND	ND		ND	ND	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	0.84	0.003	U	ND	ND		ND	ND	
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	0.49	0.002	U	ND	ND		ND	ND	
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	0.77	0.003	U	0.68	0.003	U	0.96	0.005	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	10.71	0.04	U	ND	ND		ND	ND	
Benzdine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - New Brunswick, NJ (NBNJ)

2002 Final Data Report

Sample I.D.	26589		26724		26912	
File I.D.	ENG3192		ENG3208		ENG3220	
Date Sampled	04/02/02		04/08/02		04/14/02	
Date Analyzed	05/30/02		05/31/02		05/31/02	
	Actual Vol (m ³)	211.5	Actual Vol (m ³)	193.5	Actual Vol (m ³)	198.5
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	9.62	0.05 U	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	18.92	0.09	3.70	0.02 U	11.18	0.06 U
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	17.28	0.08	8.51	0.04 U	16.52	0.08
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	6.40	0.03 U	3.49	0.02 U	6.53	0.03 U
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - New Brunswick, NJ (NBNJ)

2002 Final Data Report

Sample I.D.	26589		26724		26912	
File I.D.	ENG3192		ENG3208		ENG3220	
Date Sampled	04/02/02		04/08/02		04/14/02	
Date Analyzed	05/30/02		05/31/02		05/31/02	
	Actual Vol (m ³)	211.5	Actual Vol (m ³)	193.5	Actual Vol (m ³)	198.5
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	1.08	0.01 U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	ND	ND	ND	ND	1.45	0.007 U
Pentachlorobenzene	ND	ND	ND	ND	ND	ND
1-Naphthylamine	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND	ND
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND
Diallyl	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	2.23	0.01 U
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	9.25	0.04 U	55.70	0.29	79.72	0.40
Benzidine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - New Brunswick, NJ (NBNJ)

2002 Final Data Report

Sample I.D.	27041			27304			27397	
File I.D.	ENG3229			ENG3236			ENG3248	
Date Sampled	04/20/02			04/26/02			05/02/02	
Date Analyzed	06/04/02			06/05/02			06/05/02	
	Actual Vol (m³)	210.5		Actual Vol (m³)	232.7		Actual Vol (m³)	231.2

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND
Pyridine	ND	ND		ND	ND		ND	ND
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND
2-Picoline	ND	ND		ND	ND		ND	ND
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND
Phenol	15.71	0.07		ND	ND		18.50	0.08
Pentachloroethane	ND	ND		ND	ND		ND	ND
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND
Aniline	ND	ND		ND	ND		ND	ND
2-Chlorophenol	ND	ND		ND	ND		ND	ND
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND
1,4-Dichlorobenzene	24.46	0.12		20.09	0.09		37.73	0.16
Benzyl alcohol	ND	ND		ND	ND		ND	ND
2-Methylphenol	ND	ND		ND	ND		ND	ND
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND
3&4-Methylphenol	ND	ND		ND	ND		ND	ND
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND
o-Toluidine	ND	ND		ND	ND		ND	ND
Hexachloroethane	ND	ND		ND	ND		ND	ND
Acetophenone	ND	ND		ND	ND		ND	ND
Nitrobenzene	ND	ND		ND	ND		ND	ND
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND
Isophorone	ND	ND		ND	ND		ND	ND
2-Nitrophenol	ND	ND		ND	ND		ND	ND
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND
4-Chloroaniline	ND	ND		ND	ND		ND	ND
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND
Naphthalene	35.29	0.17		29.09	0.13		57.85	0.25
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND
Hexachloropropene	ND	ND		ND	ND		ND	ND
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND
Safrole	ND	ND		ND	ND		ND	ND
2-Methylnaphthalene	13.75	0.07	U	10.53	0.05	U	31.66	0.14
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND
2-Nitroaniline	ND	ND		ND	ND		ND	ND
Isosafrole	ND	ND		ND	ND		ND	ND
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND
Dimethyl phthalate	ND	ND		ND	ND		ND	ND
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND
3-Nitroaniline	ND	ND		ND	ND		ND	ND
Acenaphthylene	ND	ND		ND	ND		ND	ND

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - New Brunswick, NJ (NBNJ)

2002 Final Data Report

Sample I.D.	27041			27304			27397		
File I.D.	ENG3229			ENG3236			ENG3248		
Date Sampled	04/20/02			04/26/02			05/02/02		
Date Analyzed	06/04/02			06/05/02			06/05/02		
	Actual Vol (m³)	210.5		Actual Vol (m3)	232.7		Actual Vol (m³)	231.2	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m3		Final Conc (µg)	Final µg/m³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	2.22	0.01	U	ND	ND		1.55	0.01	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	2.46	0.01	U	ND	ND		3.11	0.01	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	ND	ND		ND	ND		2.25	0.01	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	3.33	0.02	U	1.24	0.01	U	4.95	0.02	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	32.93	0.16		47.71	0.21		ND	ND	
Benidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - New Brunswick, NJ (NBNJ)

2002 Final Data Report

Sample I.D.	27467	27525
File I.D.	ENG3242	ENG3261
Date Sampled	05/08/02	05/14/02
Date Analyzed	06/05/02	06/28/02
Actual Vol (m ³)	212.1	231.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND
Phenol	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND
Aniline	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND
1,4-Dichlorobenzene	16.18	0.08 U	7.49	0.03 U
Benzyl alcohol	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND
Naphthalene	22.77	0.11	10.78	0.05 U
2,6-Dichlorophenol	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND
Safrole	ND	ND	ND	ND
2-Methylnaphthalene	9.00	0.04 U	3.59	0.02 U
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - New Brunswick, NJ (NBNJ)

2002 Final Data Report

Sample I.D.	27467	27525
File I.D.	ENG3242	ENG3261
Date Sampled	05/08/02	05/14/02
Date Analyzed	06/05/02	06/28/02
Actual Vol (m ³)	212.1	231.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
2,4-Dinitrophenol	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND
Dibenzofuran	1.25	0.006 U	1.04	0.004 U
Pentachlorobenzene	ND	ND	ND	ND
1-Naphthylamine	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND
Fluorene	0.80	0.004 U	ND	ND
5-Nitro-o-toluidine	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND
Diallate	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND
Phenanthrene	2.46	0.01 U	ND	ND
Dinoseb	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND
Di-n-butyl phthalate	7.32	0.03 U	5.39	0.02 U
Benzidine	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND
4-Dimethylaminoazobenzene	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (River Rouge - RRMI)

2002 Final Data Report

Sample I.D.	25048	25287 - Field Blank	25288
File I.D.	ENG2841.D	ENG2885.D	ENG2886.D
Date Sampled	01/08/02	01/20/02	01/20/02
Date Analyzed	02/03/02	02/26/02	02/26/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	217.6		239.9

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND		ND	ND	ND	ND
Pyridine	ND	ND		ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND		ND	ND	ND	ND
2-Picoline	ND	ND		ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND		ND	ND	ND	ND
Methyl methanesulfonate	ND	ND		ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND		ND	ND	ND	ND
Phenol	ND	ND		ND	ND	ND	ND
Pentachloroethane	ND	ND		ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND		ND	ND	ND	ND
Aniline	ND	ND		ND	ND	ND	ND
2-Chlorophenol	ND	ND		ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND		ND	ND	ND	ND
1,4-Dichlorobenzene	6.69	0.03	U	ND	ND	10.60	0.04
Benzyl alcohol	ND	ND		ND	ND	ND	ND
2-Methylphenol	ND	ND		ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND		ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND	ND	ND
3&4-Methylphenol	ND	ND		ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND		ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND		ND	ND	ND	ND
o-Toluidine	ND	ND		ND	ND	ND	ND
Hexachloroethane	ND	ND		ND	ND	ND	ND
Acetophenone	ND	ND		ND	ND	ND	ND
Nitrobenzene	ND	ND		ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND		ND	ND	ND	ND
Isophorone	ND	ND		ND	ND	ND	ND
2-Nitrophenol	ND	ND		ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND		ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND		ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND		ND	ND	ND	ND
4-Chloroaniline	ND	ND		ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND		ND	ND	ND	ND
Naphthalene	34.73	0.16		ND	ND	38.47	0.16
2,6-Dichlorophenol	ND	ND		ND	ND	ND	ND
Hexachloropropene	ND	ND		ND	ND	ND	ND
Hexachlorobutadiene	ND	ND		ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND		ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND		ND	ND	ND	ND
Safrole	ND	ND		ND	ND	ND	ND
2-Methylnaphthalene	16.99	0.08		ND	ND	20.24	0.08
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND		ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND		ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND		ND	ND	ND	ND
2-Nitroaniline	ND	ND		ND	ND	ND	ND
Isosafrole	ND	ND		ND	ND	ND	ND
2-Chloronaphthalene	ND	ND		ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND		ND	ND	ND	ND
Dimethyl phthalate	ND	ND		ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND		ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND		ND	ND	ND	ND
3-Nitroaniline	ND	ND		ND	ND	ND	ND
Acenaphthylene	ND	ND		ND	ND	ND	ND

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (River Rouge - RRMI)

2002 Final Data Report

Sample I.D.	25048			25287 - Field Blank				25288
File I.D.	ENG2841.D			ENG2885.D				ENG2886.D
Date Sampled	01/08/02			01/20/02				01/20/02
Date Analyzed	02/03/02			02/26/02				02/26/02
	Actual Vol (m ³)	217.6		Actual Vol (m ³)				Actual Vol (m ³)
								239.9
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	Final Conc (µg)	Final µg/m³	
2,4-Dinitrophenol	ND	ND		ND	ND	ND	ND	
4-Nitrophenol	ND	ND		ND	ND	ND	ND	
Acenaphthene	0.28	0.001	U	ND	ND	0.23	0.001	U
2,4-Dinitrotoluene	ND	ND		ND	ND	ND	ND	
2-Naphthylamine	ND	ND		ND	ND	ND	ND	
Dibenzofuran	ND	ND		ND	ND	1.17	0.005	U
Pentachlorobenzene	ND	ND		ND	ND	ND	ND	
1-Naphthylamine	ND	ND		ND	ND	ND	ND	
Diethyl phthalate	ND	ND		ND	ND	ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND	ND	ND	
4-Nitroaniline	ND	ND		ND	ND	ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND	ND	ND	
Fluorene	0.61	0.003	U	ND	ND	0.72	0.003	U
5-Nitro-o-toluidine	ND	ND		ND	ND	ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND	ND	ND	
Diphenylamine	ND	ND		ND	ND	ND	ND	
Azobenzene	ND	ND		ND	ND	ND	ND	
Phenacetin	ND	ND		ND	ND	ND	ND	
Diallate	ND	ND		ND	ND	ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND	ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND	ND	ND	
Hexachlorobenzene	ND	ND		ND	ND	ND	ND	
Pronamide	ND	ND		ND	ND	ND	ND	
Pentachlorophenol	ND	ND		ND	ND	ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND	ND	ND	
Phenanthrene	ND	ND		ND	ND	1.90	0.01	U
Dinoseb	ND	ND		ND	ND	ND	ND	
Anthracene	ND	ND		ND	ND	ND	ND	
Carbazole	ND	ND		ND	ND	ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND	ND	ND	
Benzidine	ND	ND		ND	ND	ND	ND	
Isodrin	ND	ND		ND	ND	ND	ND	
Fluoranthene	ND	ND		ND	ND	ND	ND	
Pyrene	ND	ND		ND	ND	ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND	ND	ND	
Chlorobenzilate	ND	ND		ND	ND	ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND	ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND	ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND	ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND	ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND	ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND	ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND	ND	ND	
Chrysene	ND	ND		ND	ND	ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND	ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND	ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND	ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND	ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND	ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND	ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND	ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND	ND	ND	

D - Dilution
 ND - Not Detected
 U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (River Rouge - RRMI)

2002 Final Data Report

Sample I.D.	25544	25712	26008
File I.D.	VOID	ENG2932.D	ENG3056.D
Date Sampled	02/01/02	02/13/02	02/25/02
Date Analyzed		02/28/02	03/29/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
		225.3	233.3

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine			ND	ND	ND	ND
Pyridine			ND	ND	ND	ND
Ethyl methanesulfonate			ND	ND	ND	ND
2-Picoline			ND	ND	ND	ND
N-Nitrosomethylethylamine			ND	ND	ND	ND
Methyl methanesulfonate			ND	ND	ND	ND
N-Nitrosodiethylamine			ND	ND	ND	ND
Phenol			ND	ND	ND	ND
Pentachloroethane			ND	ND	ND	ND
bis (2-Chloroethyl)ether			ND	ND	ND	ND
Aniline			ND	ND	ND	ND
2-Chlorophenol			ND	ND	ND	ND
1,3-Dichlorobenzene			ND	ND	ND	ND
1,4-Dichlorobenzene			7.65	0.03	7.77	0.03
Benzyl alcohol			ND	ND	ND	ND
2-Methylphenol			ND	ND	ND	ND
1,2-Dichlorobenzene			ND	ND	ND	ND
bis(2-Chloroisopropyl)ether			ND	ND	ND	ND
3&4-Methylphenol			ND	ND	ND	ND
N-Nitrosopyrrolidine			ND	ND	ND	ND
N-Nitrosodipropylamine			ND	ND	ND	ND
o-Toluidine			ND	ND	ND	ND
Hexachloroethane			ND	ND	ND	ND
Acetophenone			ND	ND	ND	ND
Nitrobenzene			ND	ND	ND	ND
N-Nitrosopiperidine			ND	ND	ND	ND
Isophorone			ND	ND	ND	ND
2-Nitrophenol			ND	ND	ND	ND
2,4-Dimethylphenol			ND	ND	ND	ND
bis(2-Chloroethoxy)methane			ND	ND	ND	ND
2,4-Dichlorophenol			ND	ND	ND	ND
4-Chloroaniline			ND	ND	ND	ND
1,2,4-Trichlorobenzene			ND	ND	ND	ND
Naphthalene			49.33	0.22	27.56	0.12
2,6-Dichlorophenol			ND	ND	ND	ND
Hexachloropropene			ND	ND	ND	ND
Hexachlorobutadiene			ND	ND	ND	ND
N-Nitrosodibutylamine			ND	ND	ND	ND
4-Chloro-3-methylphenol			ND	ND	ND	ND
Safrole			ND	ND	ND	ND
2-Methylnaphthalene			32.14	0.14	15.13	0.06
1,2,4,5-Tetrachlorobenzene			ND	ND	ND	ND
2,4,6-Trichlorophenol			ND	ND	ND	ND
Hexachlorocyclopentadiene			ND	ND	ND	ND
2,4,5-Trichlorophenol			ND	ND	ND	ND
2-Nitroaniline			ND	ND	ND	ND
Isosafrole			ND	ND	ND	ND
2-Chloronaphthalene			ND	ND	ND	ND
1,4-Naphthoquinone			ND	ND	ND	ND
Dimethyl phthalate			ND	ND	ND	ND
1,3-Dinitrobenzene			ND	ND	ND	ND
2,6-Dinitrotoluene			ND	ND	ND	ND
3-Nitroaniline			ND	ND	ND	ND
Acenaphthylene			ND	ND	ND	ND

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (River Rouge - RRMI)

2002 Final Data Report

Sample I.D.	25544	25712	26008
File I.D.	VOID	ENG2932.D	ENG3056.D
Date Sampled	02/01/02	02/13/02	02/25/02
Date Analyzed		02/28/02	03/29/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
		225.3	233.3

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol				ND	ND		ND	ND	
4-Nitrophenol				ND	ND		ND	ND	
Acenaphthene				0.35	0.00	U	0.59	0.003	U
2,4-Dinitrotoluene				ND	ND		ND	ND	
2-Naphthylamine				ND	ND		ND	ND	
Dibenzofuran				ND	ND		1.01	0.004	U
Pentachlorobenzene				ND	ND		ND	ND	
1-Naphthylamine				ND	ND		ND	ND	
Diethyl phthalate				ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol				ND	ND		ND	ND	
4-Nitroaniline				ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether				ND	ND		ND	ND	
Fluorene				0.83	0.004	U	0.89	0.004	U
5-Nitro-o-toluidine				ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol				ND	ND		ND	ND	
Diphenylamine				ND	ND		ND	ND	
Azobenzene				ND	ND		ND	ND	
Phenacetin				ND	ND		ND	ND	
Diallate				ND	ND		ND	ND	
4-Bromophenyl phenyl ether				ND	ND		ND	ND	
4-Aminobiphenyl				ND	ND		ND	ND	
Hexachlorobenzene				ND	ND		ND	ND	
Pronamide				ND	ND		ND	ND	
Pentachlorophenol				ND	ND		ND	ND	
Pentachloronitrobenzene				ND	ND		ND	ND	
Phenanthrene				2.21	0.01	U	1.54	0.01	U
Dinoseb				ND	ND		ND	ND	
Anthracene				ND	ND		ND	ND	
Carbazole				ND	ND		ND	ND	
Di-n-butyl phthalate				ND	ND		ND	ND	
Benidine				ND	ND		ND	ND	
Isodrin				ND	ND		ND	ND	
Fluoranthene				ND	ND		ND	ND	
Pyrene				ND	ND		ND	ND	
4-Dimethylaminoazobenzene				ND	ND		ND	ND	
Chlorobenzilate				ND	ND		ND	ND	
3,3'-Dimethylbenzidine				ND	ND		ND	ND	
Butyl benzyl phthalate				ND	ND		ND	ND	
2-Acetylaminofluorene				ND	ND		ND	ND	
3-Methylcholanthrene				ND	ND		ND	ND	
3,3'-Dichlorobenzidine				ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate				ND	ND		ND	ND	
Benzo(a)anthracene				ND	ND		ND	ND	
Chrysene				ND	ND		ND	ND	
Di-n-octyl phthalate				ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene				ND	ND		ND	ND	
Benzo(b)fluoranthene				ND	ND		ND	ND	
Benzo(k)fluoranthene				ND	ND		ND	ND	
Benzo(a)pyrene				ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene				ND	ND		ND	ND	
Dibenz(a,h)anthracene				ND	ND		ND	ND	
Benzo(g,h,i)perylene				ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (River Rouge - RRMI)

2002 Final Data Report

Sample I.D.	26245		26476		26576	
File I.D.	ENG3117.D		ENG3134.D		ENG3185	
Date Sampled	03/09/02		03/21/02		04/02/02	
Date Analyzed	04/12/02		04/12/02		05/30/02	
	Actual Vol (m ³)	299.2	Actual Vol (m ³)	236.5	Actual Vol (m ³)	316.4

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND
Pyridine	ND	ND		ND	ND		ND	ND
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND
2-Picoline	ND	ND		ND	ND		ND	ND
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND
Phenol	ND	ND		ND	ND		26.56	0.08
Pentachloroethane	ND	ND		ND	ND		ND	ND
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND
Aniline	ND	ND		ND	ND		ND	ND
2-Chlorophenol	ND	ND		ND	ND		ND	ND
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND
1,4-Dichlorobenzene	4.22	0.01	U	4.91	0.02	U	18.86	0.06
Benzyl alcohol	ND	ND		ND	ND		ND	ND
2-Methylphenol	ND	ND		ND	ND		ND	ND
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND
3&4-Methylphenol	ND	ND		ND	ND		ND	ND
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND
o-Toluidine	ND	ND		ND	ND		ND	ND
Hexachloroethane	ND	ND		ND	ND		ND	ND
Acetophenone	ND	ND		ND	ND		ND	ND
Nitrobenzene	ND	ND		ND	ND		ND	ND
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND
Isophorone	ND	ND		ND	ND		ND	ND
2-Nitrophenol	ND	ND		ND	ND		ND	ND
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND
4-Chloroaniline	ND	ND		ND	ND		ND	ND
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND
Naphthalene	13.59	0.05		17.68	0.07		233.83	0.74
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND
Hexachloropropene	ND	ND		ND	ND		ND	ND
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND
Safrole	ND	ND		ND	ND		ND	ND
2-Methylnaphthalene	6.83	0.02	U	10.03	0.04	U	75.53	0.24
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND
2-Nitroaniline	ND	ND		ND	ND		ND	ND
Isosafrole	ND	ND		ND	ND		ND	ND
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND
Dimethyl phthalate	ND	ND		ND	ND		ND	ND
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND
3-Nitroaniline	ND	ND		ND	ND		ND	ND
Acenaphthylene	ND	ND		ND	ND		ND	ND

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (River Rouge - RRMI)

2002 Final Data Report

Sample I.D.	26245			26476			26576
File I.D.	ENG3117.D			ENG3134.D			ENG3185
Date Sampled	03/09/02			03/21/02			04/02/02
Date Analyzed	04/12/02			04/12/02			05/30/02
	Actual Vol (m ³)	299.2		Actual Vol (m ³)	236.5		Actual Vol (m ³) 316.4

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	ND	ND		ND	ND		6.79	0.02	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	1.08	0.004	U	0.65	0.003	U	5.52	0.02	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	0.85	0.003	U	0.41	0.002	U	4.89	0.02	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	1.34	0.004	U	0.75	0.003	U	10.48	0.03	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		0.86	0.003	U
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		14.12	0.04	U
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (River Rouge - RRMI)

2002 Final Data Report

Sample I.D. 26838
File I.D. ENG3213
Date Sampled 04/14/02
Date Analyzed 05/31/02
 Actual Vol (m³) 281.8

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND	
Pyridine	ND	ND	
Ethyl methanesulfonate	ND	ND	
2-Picoline	ND	ND	
N-Nitrosomethylethylamine	ND	ND	
Methyl methanesulfonate	ND	ND	
N-Nitrosodiethylamine	ND	ND	
Phenol	ND	ND	
Pentachloroethane	ND	ND	
bis (2-Chloroethyl)ether	ND	ND	
Aniline	ND	ND	
2-Chlorophenol	ND	ND	
1,3-Dichlorobenzene	ND	ND	
1,4-Dichlorobenzene	12.06	0.04	U
Benzyl alcohol	ND	ND	
2-Methylphenol	ND	ND	
1,2-Dichlorobenzene	ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND	
3&4-Methylphenol	ND	ND	
N-Nitrosopyrrolidine	ND	ND	
N-Nitrosodipropylamine	ND	ND	
o-Toluidine	ND	ND	
Hexachloroethane	ND	ND	
Acetophenone	ND	ND	
Nitrobenzene	ND	ND	
N-Nitrosopiperidine	ND	ND	
Isophorone	ND	ND	
2-Nitrophenol	ND	ND	
2,4-Dimethylphenol	ND	ND	
bis(2-Chloroethoxy)methane	ND	ND	
2,4-Dichlorophenol	ND	ND	
4-Chloroaniline	ND	ND	
1,2,4-Trichlorobenzene	ND	ND	
Naphthalene	44.66	0.16	
2,6-Dichlorophenol	ND	ND	
Hexachloropropene	ND	ND	
Hexachlorobutadiene	ND	ND	
N-Nitrosodibutylamine	ND	ND	
4-Chloro-3-methylphenol	ND	ND	
Safrole	ND	ND	
2-Methylnaphthalene	21.78	0.08	
1,2,4,5-Tetrachlorobenzene	ND	ND	
2,4,6-Trichlorophenol	ND	ND	
Hexachlorocyclopentadiene	ND	ND	
2,4,5-Trichlorophenol	ND	ND	
2-Nitroaniline	ND	ND	
Isosafrole	ND	ND	
2-Chloronaphthalene	ND	ND	
1,4-Naphthoquinone	ND	ND	
Dimethyl phthalate	ND	ND	
1,3-Dinitrobenzene	ND	ND	
2,6-Dinitrotoluene	ND	ND	
3-Nitroaniline	ND	ND	
Acenaphthylene	ND	ND	

SemiVolatile Samples - Detroit, MI (River Rouge - RRMI)

2002 Final Data Report

Sample I.D. 26838
File I.D. ENG3213
Date Sampled 04/14/02
Date Analyzed 05/31/02
 Actual Vol (m³) 281.8

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND	
4-Nitrophenol	ND	ND	
Acenaphthene	2.35	0.008	U
2,4-Dinitrotoluene	ND	ND	
2-Naphthylamine	ND	ND	
Dibenzofuran	2.52	0.009	U
Pentachlorobenzene	ND	ND	
1-Naphthylamine	ND	ND	
Diethyl phthalate	ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND	
4-Nitroaniline	ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND	
Fluorene	2.69	0.01	U
5-Nitro-o-toluidine	ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND	
Diphenylamine	ND	ND	
Azobenzene	ND	ND	
Phenacetin	ND	ND	
Diallate	ND	ND	
4-Bromophenyl phenyl ether	ND	ND	
4-Aminobiphenyl	ND	ND	
Hexachlorobenzene	ND	ND	
Pronamide	ND	ND	
Pentachlorophenol	ND	ND	
Pentachloronitrobenzene	ND	ND	
Phenanthrene	5.89	0.02	U
Dinoseb	ND	ND	
Anthracene	ND	ND	
Carbazole	ND	ND	
Di-n-butyl phthalate	ND	ND	
Benzidine	ND	ND	
Isodrin	ND	ND	
Fluoranthene	ND	ND	
Pyrene	ND	ND	
4-Dimethylaminoazobenzene	ND	ND	
Chlorobenzilate	ND	ND	
3,3'-Dimethylbenzidine	ND	ND	
Butyl benzyl phthalate	ND	ND	
2-Acetylaminofluorene	ND	ND	
3-Methylcholanthrene	ND	ND	
3,3'-Dichlorobenzidine	ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND	
Benzo(a)anthracene	ND	ND	
Chrysene	ND	ND	
Di-n-octyl phthalate	ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND	
Benzo(b)fluoranthene	ND	ND	
Benzo(k)fluoranthene	ND	ND	
Benzo(a)pyrene	ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND	
Dibenz(a,h)anthracene	ND	ND	
Benzo(g,h,i)perylene	ND	ND	

SemiVolatile Samples - St. Louis, MO (SLMO)

2002 Final Data Report

Sample I.D.	24969	25100	25188
File I.D.	ENG2814.D	VOID	ENG2869.D
Date Sampled	1/2/2002	1/8/2002	1/14/2002
Date Analyzed	1/18/2002		2/25/2002
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	264.5		275.9

Compound	Final Conc (µg)	Final µg/m ³	Final Conc (µg)	Final µg/m ³	Final Conc (µg)	Final µg/m ³
N-Nitrosodimethylamine	ND	ND			ND	ND
Pyridine	ND	ND			ND	ND
Ethyl methanesulfonate	ND	ND			ND	ND
2-Picoline	ND	ND			ND	ND
N-Nitrosomethylethylamine	ND	ND			ND	ND
Methyl methanesulfonate	ND	ND			ND	ND
N-Nitrosodiethylamine	ND	ND			ND	ND
Phenol	25.24	0.10			ND	ND
Pentachloroethane	ND	ND			ND	ND
bis (2-Chloroethyl)ether	ND	ND			ND	ND
Aniline	ND	ND			ND	ND
2-Chlorophenol	ND	ND			ND	ND
1,3-Dichlorobenzene	ND	ND			ND	ND
1,4-Dichlorobenzene	373.34	1.41			20.55	0.07
Benzyl alcohol	ND	ND			ND	ND
2-Methylphenol	ND	ND			ND	ND
1,2-Dichlorobenzene	28.15	0.11			ND	ND
bis(2-Chloroisopropyl)ether	ND	ND			ND	ND
3&4-Methylphenol	3.71	0.01	U		ND	ND
N-Nitrosopyrrolidine	ND	ND			ND	ND
N-Nitrosodipropylamine	ND	ND			ND	ND
o-Toluidine	ND	ND			ND	ND
Hexachloroethane	ND	ND			ND	ND
Acetophenone	ND	ND			ND	ND
Nitrobenzene	ND	ND			ND	ND
N-Nitrosopiperidine	ND	ND			ND	ND
Isophorone	ND	ND			ND	ND
2-Nitrophenol	ND	ND			ND	ND
2,4-Dimethylphenol	ND	ND			ND	ND
bis(2-Chloroethoxy)methane	ND	ND			ND	ND
2,4-Dichlorophenol	ND	ND			ND	ND
4-Chloroaniline	ND	ND			ND	ND
1,2,4-Trichlorobenzene	ND	ND			ND	ND
Naphthalene	59.42	0.22			55.65	0.20
2,6-Dichlorophenol	ND	ND			ND	ND
Hexachloropropene	ND	ND			ND	ND
Hexachlorobutadiene	ND	ND			ND	ND
N-Nitrosodibutylamine	ND	ND			ND	ND
4-Chloro-3-methylphenol	ND	ND			ND	ND
Safrole	ND	ND			ND	ND
2-Methylnaphthalene	29.47	0.11			23.49	0.085
1,2,4,5-Tetrachlorobenzene	ND	ND			ND	ND
2,4,6-Trichlorophenol	ND	ND			ND	ND
Hexachlorocyclopentadiene	ND	ND			ND	ND
2,4,5-Trichlorophenol	ND	ND			ND	ND
2-Nitroaniline	ND	ND			ND	ND
Isosafrole	ND	ND			ND	ND
2-Chloronaphthalene	ND	ND			ND	ND
1,4-Naphthoquinone	ND	ND			ND	ND
Dimethyl phthalate	ND	ND			ND	ND
1,3-Dinitrobenzene	ND	ND			ND	ND
2,6-Dinitrotoluene	ND	ND			ND	ND
3-Nitroaniline	ND	ND			ND	ND
Acenaphthylene	0.98	0.004	U		ND	ND

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - St. Louis, MO (SLMO)

2002 Final Data Report

Sample I.D.	24969	25100	25188
File I.D.	ENG2814.D	VOID	ENG2869.D
Date Sampled	1/2/2002	1/8/2002	1/14/2002
Date Analyzed	1/18/2002		2/25/2002
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	264.5		275.9

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND					ND	ND	
4-Nitrophenol	ND	ND					ND	ND	
Acenaphthene	0.43	0.002	U				0.36	0.001	U
2,4-Dinitrotoluene	ND	ND					ND	ND	
2-Naphthylamine	ND	ND					ND	ND	
Dibenzofuran	1.43	0.01	U				1.32	0.005	U
Pentachlorobenzene	ND	ND					ND	ND	
1-Naphthylamine	ND	ND					ND	ND	
Diethyl phthalate	ND	ND					ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND					ND	ND	
4-Nitroaniline	ND	ND					ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND					ND	ND	
Fluorene	0.78	0.003	U				0.92	0.003	U
5-Nitro-o-toluidine	ND	ND					ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND					ND	ND	
Diphenylamine	ND	ND					ND	ND	
Azobenzene	ND	ND					ND	ND	
Phenacetin	ND	ND					ND	ND	
Diallate	ND	ND					ND	ND	
4-Bromophenyl phenyl ether	ND	ND					ND	ND	
4-Aminobiphenyl	ND	ND					ND	ND	
Hexachlorobenzene	ND	ND					ND	ND	
Pronamide	ND	ND					ND	ND	
Pentachlorophenol	ND	ND					ND	ND	
Pentachloronitrobenzene	ND	ND					ND	ND	
Phenanthrene	2.65	0.01	U				2.37	0.01	U
Dinoseb	ND	ND					ND	ND	
Anthracene	ND	ND					ND	ND	
Carbazole	ND	ND					ND	ND	
Di-n-butyl phthalate	ND	ND					ND	ND	
Benzydine	ND	ND					ND	ND	
Isodrin	ND	ND					ND	ND	
Fluoranthene	ND	ND					ND	ND	
Pyrene	ND	ND					ND	ND	
4-Dimethylaminoazobenzene	ND	ND					ND	ND	
Chlorobenzilate	ND	ND					ND	ND	
3,3'-Dimethylbenzidine	ND	ND					ND	ND	
Butyl benzyl phthalate	ND	ND					ND	ND	
2-Acetylaminofluorene	ND	ND					ND	ND	
3-Methylcholanthrene	ND	ND					ND	ND	
3,3'-Dichlorobenzidine	ND	ND					ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND					ND	ND	
Benzo(a)anthracene	ND	ND					ND	ND	
Chrysene	ND	ND					ND	ND	
Di-n-octyl phthalate	ND	ND					ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND					ND	ND	
Benzo(b)fluoranthene	ND	ND					ND	ND	
Benzo(k)fluoranthene	ND	ND					ND	ND	
Benzo(a)pyrene	ND	ND					ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND					ND	ND	
Dibenz(a,h)anthracene	ND	ND					ND	ND	
Benzo(g,h,i)perylene	ND	ND					ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - St. Louis, MO (SLMO)

2002 Final Data Report

Sample I.D.	25329	25473	25612
File I.D.	ENG2870.D	ENG2871.D	ENG2943.D
Date Sampled	1/20/2002	1/26/2002	2/1/2002
Date Analyzed	2/25/2002	2/25/2002	3/1/2002
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	273.1	305.5	256.0

Compound	Final Conc (µg)	Final µg/m³	Final Conc (µg)	Final µg/m³	Final Conc (µg)	Final µg/m³
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	20.50	0.08	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	33.52	0.12	3.95	0.01	U 171.16	0.67
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	76.51	0.28	13.05	0.04	44.99	0.18
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	36.23	0.13	6.07	0.02	U 18.32	0.07
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorphenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dintrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	1.56	0.01	U	ND	ND	ND

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - St. Louis, MO (SLMO)

2002 Final Data Report

Sample I.D.	25329	25473	25612
File I.D.	ENG2870.D	ENG2871.D	ENG2943.D
Date Sampled	1/20/2002	1/26/2002	2/1/2002
Date Analyzed	2/25/2002	2/25/2002	3/1/2002
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	273.1	305.5	256.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	0.34	0.001	U	ND	ND		ND	ND	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	2.31	0.01	U	ND	ND		0.76	0.003	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	1.41	0.01	U	ND	ND		0.55	0.002	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	4.17	0.02	U	ND	ND		ND	ND	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND	
Benzydine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	1.02	0.00	U	ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - St. Louis, MO (SLMO)

2002 Final Data Report

Sample I.D.	25664	25811	25973
File I.D.	ENG2927.D	ENG3038.D	ENG3041.D
Date Sampled	2/7/2002	2/13/2002	2/19/2002
Date Analyzed	2/28/2002	3/28/2002	3/28/2002
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	293.1	243.9	277.4

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	55.27	0.19	138.66	0.57	199.08	0.72
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	3.76	0.01	U	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	118.33	0.40	46.05	0.19	32.63	0.12
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	52.09	0.18	22.12	0.091	14.34	0.05
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	1.94	0.01	U	0.51	0.002	U

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - St. Louis, MO (SLMO)

2002 Final Data Report

Sample I.D.	25664	25811	25973
File I.D.	ENG2927.D	ENG3038.D	ENG3041.D
Date Sampled	2/7/2002	2/13/2002	2/19/2002
Date Analyzed	2/28/2002	3/28/2002	3/28/2002
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	293.1	243.9	277.4

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	0.87	0.003	U	0.43	0.002	U	0.33	0.001	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	2.21	0.01	U	0.67	0.003	U	0.78	0.003	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	1.74	0.01	U	0.56	0.002	U	0.54	0.002	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	4.37	0.01	U	1.21	0.005	U	1.38	0.005	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND	
Benzydine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - St. Louis, MO (SLMO)

2002 Final Data Report

Sample I.D.	26091	26207	26318
File I.D.	ENG3040.D	ENG3083.D	ENG3084.D
Date Sampled	2/25/2002	03/03/02	03/09/02
Date Analyzed	3/28/2002	04/11/02	04/11/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	292.5	251.3	256.3

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	ND	ND		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	13.57	0.05	U	7.17	0.03	U	15.63	0.06	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	37.89	0.13		13.22	0.05		13.63	0.05	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	16.60	0.06	U	4.88	0.02	U	4.93	0.02	U
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	ND	ND		ND	ND		ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - St. Louis, MO (SLMO)

2002 Final Data Report

Sample I.D.	26091	26207	26318
File I.D.	ENG3040.D	ENG3083.D	ENG3084.D
Date Sampled	2/25/2002	03/03/02	03/09/02
Date Analyzed	3/28/2002	04/11/02	04/11/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	292.5	251.3	256.3

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
2,4-Dinitrophenol	ND	ND		ND	ND	ND	ND
4-Nitrophenol	ND	ND		ND	ND	ND	ND
Acenaphthene	0.38	0.001	U	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND		ND	ND	ND	ND
2-Naphthylamine	ND	ND		ND	ND	ND	ND
Dibenzofuran	0.97	0.003	U	ND	ND	ND	ND
Pentachlorobenzene	ND	ND		ND	ND	ND	ND
1-Naphthylamine	ND	ND		ND	ND	ND	ND
Diethyl phthalate	ND	ND		ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND	ND	ND
4-Nitroaniline	ND	ND		ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND	ND	ND
Fluorene	0.70	0.002	U	ND	ND	ND	ND
5-Nitro-o-toluidine	ND	ND		ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND	ND	ND
Diphenylamine	ND	ND		ND	ND	ND	ND
Azobenzene	ND	ND		ND	ND	ND	ND
Phenacetin	ND	ND		ND	ND	ND	ND
Diallate	ND	ND		ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND		ND	ND	ND	ND
4-Aminobiphenyl	ND	ND		ND	ND	ND	ND
Hexachlorobenzene	ND	ND		ND	ND	ND	ND
Pronamide	ND	ND		ND	ND	ND	ND
Pentachlorophenol	ND	ND		ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND		ND	ND	ND	ND
Phenanthrene	1.80	0.01	U	ND	ND	0.85	0.003 U
Dinoseb	ND	ND		ND	ND	ND	ND
Anthracene	ND	ND		ND	ND	ND	ND
Carbazole	ND	ND		ND	ND	ND	ND
Di-n-butyl phthalate	ND	ND		ND	ND	ND	ND
Benzydine	ND	ND		ND	ND	ND	ND
Isodrin	ND	ND		ND	ND	ND	ND
Fluoranthene	0.57	0.002	U	ND	ND	ND	ND
Pyrene	ND	ND		ND	ND	ND	ND
4-Dimethylaminoazobenzene	ND	ND		ND	ND	ND	ND
Chlorobenzilate	ND	ND		ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND		ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND		ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND		ND	ND	ND	ND
3-Methylcholanthrene	ND	ND		ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND		ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND	ND	ND
Benzo(a)anthracene	ND	ND		ND	ND	ND	ND
Chrysene	ND	ND		ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND		ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND		ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND		ND	ND	ND	ND
Benzo(a)pyrene	ND	ND		ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND		ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND		ND	ND	ND	ND

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - St. Louis, MO (SLMO)

2002 Final Data Report

Sample I.D.	26389	26452	26541
File I.D.	ENG3085.D	ENG3086.D	ENG3162.D
Date Sampled	03/15/02	03/21/02	03/27/02
Date Analyzed	04/11/02	04/11/02	04/15/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	220.4	245.4	258.5

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	165.55	0.75	202.52	0.83	27.94	0.11
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	19.15	0.09	33.53	0.14	51.79	0.20
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	8.43	0.04	U	11.68	0.05	U
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	0.61	0.002

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - St. Louis, MO (SLMO)

2002 Final Data Report

Sample I.D.	26389	26452	26541
File I.D.	ENG3085.D	ENG3086.D	ENG3162.D
Date Sampled	03/15/02	03/21/02	03/27/02
Date Analyzed	04/11/02	04/11/02	04/15/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	220.4	245.4	258.5

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	
4-Nitrophenol	ND	ND	ND	ND	ND	ND	
Acenaphthene	ND	ND	ND	ND	0.91	0.004	U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	
2-Naphthylamine	ND	ND	ND	ND	ND	ND	
Dibenzofuran	ND	ND	ND	ND	1.42	0.01	U
Pentachlorobenzene	ND	ND	ND	ND	ND	ND	
1-Naphthylamine	ND	ND	ND	ND	ND	ND	
Diethyl phthalate	ND	ND	ND	ND	ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND	
4-Nitroaniline	ND	ND	ND	ND	ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND	
Fluorene	ND	ND	ND	ND	1.20	0.005	U
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND	
Diphenylamine	ND	ND	ND	ND	ND	ND	
Azobenzene	ND	ND	ND	ND	ND	ND	
Phenacetin	ND	ND	ND	ND	ND	ND	
Diallate	ND	ND	ND	ND	ND	ND	
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND	
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND	
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	
Pronamide	ND	ND	ND	ND	ND	ND	
Pentachlorophenol	ND	ND	ND	ND	ND	ND	
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND	
Phenanthrene	0.89	0.004	U	1.00	0.004	U	1.69
Dinoseb	ND	ND	ND	ND	ND	ND	0.01
Anthracene	ND	ND	ND	ND	ND	ND	U
Carbazole	ND	ND	ND	ND	ND	ND	
Di-n-butyl phthalate	ND	ND	ND	ND	ND	ND	
Benzydine	ND	ND	ND	ND	ND	ND	
Isodrin	ND	ND	ND	ND	ND	ND	
Fluoranthene	ND	ND	ND	ND	ND	ND	
Pyrene	ND	ND	ND	ND	ND	ND	
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND	
Chlorobenzilate	ND	ND	ND	ND	ND	ND	
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND	
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND	
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND	
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND	
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	
Chrysene	ND	ND	ND	ND	ND	ND	
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND	
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND	
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - St. Louis, MO (SLMO)

2002 Final Data Report

Sample I.D.	26672	26803	26971
File I.D.	ENG3183	ENG3198	ENG3199
Date Sampled	04/02/02	04/08/02	04/14/02
Date Analyzed	05/30/02	05/31/02	05/31/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	241.9	250.3	250.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	329.30	1.36	16.86	0.07	31.91	0.13
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	38.47	0.16	44.06	0.18	41.89	0.17
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	17.79	0.07	U	19.65	0.08	20.27
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - St. Louis, MO (SLMO)

2002 Final Data Report

Sample I.D.	26672	26803	26971
File I.D.	ENG3183	ENG3198	ENG3199
Date Sampled	04/02/02	04/08/02	04/14/02
Date Analyzed	05/30/02	05/31/02	05/31/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	241.9	250.3	250.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	1.35	0.01	U	0.89	0.004	U	1.96	0.008	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	1.34	0.006	U	2.31	0.01	U	2.96	0.012	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	0.74	0.003	U	0.58	0.002	U	1.50	0.006	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	2.57	0.01	U	3.50	0.014	U	4.58	0.018	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND	
Benzydine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - St. Louis, MO (SLMO)

2002 Final Data Report

Sample I.D.	27078	27309	27335
File I.D.	ENG3200	ENG3201	ENG3237
Date Sampled	04/20/02	04/26/02	05/02/02
Date Analyzed	05/31/02	05/31/02	06/05/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	242.5	236.8	259.4

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND	
Pyridine	ND	ND	ND	ND	ND	ND	
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND	
2-Picoline	ND	ND	ND	ND	ND	ND	
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND	
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND	
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND	
Phenol	ND	ND	ND	ND	17.53	0.068	
Pentachloroethane	ND	ND	ND	ND	ND	ND	
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND	
Aniline	ND	ND	ND	ND	ND	ND	
2-Chlorophenol	ND	ND	ND	ND	ND	ND	
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	
1,4-Dichlorobenzene	54.71	0.23	73.36	0.31	189.63	0.731	
Benzyl alcohol	ND	ND	ND	ND	ND	ND	
2-Methylphenol	ND	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	
3&4-Methylphenol	ND	ND	ND	ND	ND	ND	
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND	
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND	
o-Toluidine	ND	ND	ND	ND	ND	ND	
Hexachloroethane	ND	ND	ND	ND	ND	ND	
Acetophenone	ND	ND	ND	ND	ND	ND	
Nitrobenzene	ND	ND	ND	ND	ND	ND	
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND	
Isophorone	ND	ND	ND	ND	ND	ND	
2-Nitrophenol	ND	ND	ND	ND	ND	ND	
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND	
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	
4-Chloroaniline	ND	ND	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	
Naphthalene	54.99	0.23	57.93	0.25	57.51	0.222	
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND	
Hexachloropropene	ND	ND	ND	ND	ND	ND	
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND	
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND	
Safrole	ND	ND	ND	ND	ND	ND	
2-Methylnaphthalene	19.75	0.08	25.54	0.11	16.79	0.065	U
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND	
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	
2-Nitroaniline	ND	ND	ND	ND	ND	ND	
Isosafrole	ND	ND	ND	ND	ND	ND	
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND	
Dimethyl phthalate	ND	ND	ND	ND	ND	ND	
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND	
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	
3-Nitroaniline	ND	ND	ND	ND	ND	ND	
Acenaphthylene	ND	ND	ND	ND	ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - St. Louis, MO (SLMO)

2002 Final Data Report

Sample I.D.	27078	27309	27335
File I.D.	ENG3200	ENG3201	ENG3237
Date Sampled	04/20/02	04/26/02	05/02/02
Date Analyzed	05/31/02	05/31/02	06/05/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	242.5	236.8	259.4

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	2.04	0.009	U	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	ND	ND	1.67	0.01	U	1.33
Pentachlorobenzene	ND	ND	ND	ND	ND	0.005
1-Naphthylamine	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND
Fluorene	1.81	0.007	U	1.98	0.008	U
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	0.003
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND
Diallate	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	3.13	0.01	U	ND
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	ND	ND	ND	ND	ND	ND
Benzydine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - St. Louis, MO (SLMO)

2002 Final Data Report

Sample I.D.	27466	27564	27727
File I.D.	ENG3238	ENG3239	ENG3257
Date Sampled	05/08/02	05/14/02	05/20/02
Date Analyzed	06/05/02	06/05/02	06/28/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	237.3	232.6	247.5

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND	
Pyridine	ND	ND	ND	ND	ND	ND	
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND	
2-Picoline	ND	ND	ND	ND	ND	ND	
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND	
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND	
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND	
Phenol	21.66	0.09	ND	ND	ND	ND	
Pentachloroethane	ND	ND	ND	ND	ND	ND	
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND	
Aniline	ND	ND	ND	ND	ND	ND	
2-Chlorophenol	ND	ND	ND	ND	ND	ND	
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	
1,4-Dichlorobenzene	23.55	0.10	148.89	0.64	89.07	0.36	
Benzyl alcohol	ND	ND	ND	ND	ND	ND	
2-Methylphenol	ND	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	
3&4-Methylphenol	ND	ND	ND	ND	ND	ND	
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND	
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND	
o-Toluidine	ND	ND	ND	ND	ND	ND	
Hexachloroethane	ND	ND	ND	ND	ND	ND	
Acetophenone	ND	ND	ND	ND	ND	ND	
Nitrobenzene	ND	ND	ND	ND	ND	ND	
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND	
Isophorone	ND	ND	ND	ND	ND	ND	
2-Nitrophenol	ND	ND	ND	ND	ND	ND	
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND	
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	
4-Chloroaniline	ND	ND	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	
Naphthalene	50.59	0.21	50.13	0.22	59.91	0.24	
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND	
Hexachloropropene	ND	ND	ND	ND	ND	ND	
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND	
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND	
Safrole	ND	ND	ND	ND	ND	ND	
2-Methylnaphthalene	19.25	0.08	20.78	0.09	18.19	0.07	U
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND	
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	
2-Nitroaniline	ND	ND	ND	ND	ND	ND	
Isosafrole	ND	ND	ND	ND	ND	ND	
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND	
Dimethyl phthalate	ND	ND	ND	ND	ND	ND	
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND	
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	
3-Nitroaniline	ND	ND	ND	ND	ND	ND	
Acenaphthylene	ND	ND	ND	ND	ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - St. Louis, MO (SLMO)

2002 Final Data Report

Sample I.D.	27466	27564	27727
File I.D.	ENG3238	ENG3239	ENG3257
Date Sampled	05/08/02	05/14/02	05/20/02
Date Analyzed	06/05/02	06/05/02	06/28/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	237.3	232.6	247.5

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	1.98	0.008	U	ND	ND		ND	ND	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	2.64	0.01	U	2.56	0.011	U	1.51	0.006	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	2.26	0.010	U	1.47	0.006	U	1.41	0.006	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	6.37	0.027	U	4.17	0.018	U	3.97	0.016	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND	
Benzydine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - St. Louis, MO (SLMO)

2002 Final Data Report

Sample I.D.	27884	27885	27990
File I.D.	ENG3258	ENG3290	ENG3291
Date Sampled	05/26/02	06/01/02	06/07/02
Date Analyzed	06/28/02	07/14/02	07/14/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	237.1	234.0	246.2

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	13.02	0.05	6.24	0.027	U	14.40
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	32.41	0.14	100.08	0.428	39.15	0.16
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	14.23	0.06
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	43.35	0.18	44.22	0.189	35.46	0.14
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	15.64	0.07	U	20.28	0.087	17.16
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - St. Louis, MO (SLMO)

2002 Final Data Report

Sample I.D.	27884	27885	27990
File I.D.	ENG3258	ENG3290	ENG3291
Date Sampled	05/26/02	06/01/02	06/07/02
Date Analyzed	06/28/02	07/14/02	07/14/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	237.1	234.0	246.2

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	1.66	0.007	U	3.21	0.014	U	1.73	0.007	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	2.70	0.01	U	3.85	0.016	U	3.21	0.01	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		3.61	0.015	U	ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	1.56	0.007	U	3.60	0.015	U	2.50	0.010	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	4.62	0.02	U	9.79	0.042	U	4.67	0.019	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		1.33	0.01	U
Benzydine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		1.65	0.007	U	0.89	0.004	U
Pyrene	ND	ND		1.18	0.005	U	0.40	0.002	U
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		5.76	0.025	U	16.21	0.07	U
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - St. Louis, MO (SLMO)

2002 Final Data Report

Sample I.D.	28053	28248	28333
File I.D.	ENG3292	ENG3293	ENG3339
Date Sampled	06/13/02	06/19/02	06/25/02
Date Analyzed	07/14/02	07/15/02	07/25/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	207.5	244.6	207.6

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND
Pyridine	ND	ND		ND	ND		ND	ND
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND
2-Picoline	ND	ND		ND	ND		ND	ND
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND
Phenol	6.74	0.03	U	5.53	0.02	U	13.75	0.07
Pentachloroethane	ND	ND		ND	ND		ND	ND
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND
Aniline	ND	ND		ND	ND		ND	ND
2-Chlorophenol	ND	ND		ND	ND		ND	ND
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND
1,4-Dichlorobenzene	129.80	0.63		10.63	0.04	U	153.34	0.74
Benzyl alcohol	ND	ND		ND	ND		ND	ND
2-Methylphenol	ND	ND		ND	ND		ND	ND
1,2-Dichlorobenzene	7.74	0.04	U	ND	ND		11.25	0.05
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND
3&4-Methylphenol	ND	ND		ND	ND		ND	ND
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND
o-Toluidine	ND	ND		ND	ND		ND	ND
Hexachloroethane	ND	ND		ND	ND		ND	ND
Acetophenone	ND	ND		ND	ND		22.44	0.11
Nitrobenzene	ND	ND		ND	ND		ND	ND
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND
Isophorone	ND	ND		ND	ND		ND	ND
2-Nitrophenol	ND	ND		ND	ND		ND	ND
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND
4-Chloroaniline	ND	ND		ND	ND		ND	ND
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND
Naphthalene	29.53	0.14		34.47	0.14		61.90	0.30
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND
Hexachloropropene	ND	ND		ND	ND		ND	ND
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND
Safrole	ND	ND		ND	ND		ND	ND
2-Methylnaphthalene	13.25	0.06	U	18.15	0.07	U	30.77	0.15
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND
2-Nitroaniline	ND	ND		ND	ND		ND	ND
Isosafrole	ND	ND		ND	ND		ND	ND
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND
Dimethyl phthalate	ND	ND		ND	ND		ND	ND
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND
3-Nitroaniline	ND	ND		ND	ND		ND	ND
Acenaphthylene	ND	ND		ND	ND		ND	ND

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - St. Louis, MO (SLMO)

2002 Final Data Report

Sample I.D.	28053		28248		28333	
File I.D.	ENG3292		ENG3293		ENG3339	
Date Sampled	06/13/02		06/19/02		06/25/02	
Date Analyzed	07/14/02		07/15/02		07/25/02	
	Actual Vol (m³)	207.5	Actual Vol (m³)	244.6	Actual Vol (m³)	207.6

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	1.49	0.007	U	1.62	0.007	U	2.84	0.014	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	2.13	0.010	U	3.32	0.014	U	5.01	0.02	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	2.65	0.01	U	2.68	0.01	U	ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	ND	ND		2.32	0.009	U	3.85	0.019	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	4.92	0.024	U	6.67	0.027	U	9.83	0.05	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	1.34	0.01	U	2.64	0.01	U	2.67	0.01	U
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	0.94	0.005	U	1.97	0.01	U	1.84	0.009	U
Pyrene	0.29	0.001	U	0.63	0.003	U	0.68	0.003	U
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	1.98	0.01	U	5.00	0.02	U	4.28	0.02	U
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - St. Louis, MO (SLMO)

2002 Final Data Report

Sample I.D.	28532		28644		28789	
File I.D.	ENG3358		ENG3359		ENG3394	
Date Sampled	07/01/02		07/07/02		07/13/02	
Date Analyzed	08/02/02		08/02/02		08/14/02	
	Actual Vol (m ³)	200.9	Actual Vol (m ³)	195.2	Actual Vol (m ³)	217.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND
Pyridine	ND	ND		ND	ND		ND	ND
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND
2-Picoline	ND	ND		ND	ND		ND	ND
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND
Phenol	7.04	0.035	U	4.18	0.02	U	10.44	0.05
Pentachloroethane	ND	ND		ND	ND		ND	ND
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND
Aniline	ND	ND		ND	ND		ND	ND
2-Chlorophenol	ND	ND		ND	ND		ND	ND
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND
1,4-Dichlorobenzene	14.70	0.073	U	34.82	0.18		17.65	0.08
Benzyl alcohol	ND	ND		ND	ND		ND	ND
2-Methylphenol	ND	ND		ND	ND		ND	ND
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND
3&4-Methylphenol	ND	ND		ND	ND		ND	ND
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND
o-Toluidine	ND	ND		ND	ND		ND	ND
Hexachloroethane	ND	ND		ND	ND		ND	ND
Acetophenone	ND	ND		ND	ND		17.06	0.08
Nitrobenzene	ND	ND		ND	ND		ND	ND
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND
Isophorone	ND	ND		ND	ND		ND	ND
2-Nitrophenol	ND	ND		ND	ND		ND	ND
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND
4-Chloroaniline	ND	ND		ND	ND		ND	ND
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND
Naphthalene	43.59	0.22		38.18	0.20		89.77	0.41
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND
Hexachloropropene	ND	ND		ND	ND		ND	ND
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND
Safrole	ND	ND		ND	ND		ND	ND
2-Methylnaphthalene	21.75	0.11		14.65	0.08	U	31.43	0.14
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND
2-Nitroaniline	ND	ND		ND	ND		ND	ND
Isosafrole	ND	ND		ND	ND		ND	ND
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND
Dimethyl phthalate	ND	ND		ND	ND		ND	ND
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND
3-Nitroaniline	ND	ND		ND	ND		ND	ND
Acenaphthylene	ND	ND		ND	ND		ND	ND

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - St. Louis, MO (SLMO)

2002 Final Data Report

Sample I.D.	28532		28644		28789	
File I.D.	ENG3358		ENG3359		ENG3394	
Date Sampled	07/01/02		07/07/02		07/13/02	
Date Analyzed	08/02/02		08/02/02		08/14/02	
	Actual Vol (m³)	200.9	Actual Vol (m³)	195.2	Actual Vol (m³)	217.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	3.54	0.02	U	2.34	0.012	U	4.63	0.02	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	4.34	0.02	U	5.17	0.03	U	7.06	0.03	
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	2.65	0.01	U	1.52	0.01	U	1.31	0.01	U
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	3.91	0.02	U	3.88	0.02	U	5.82	0.03	
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	10.94	0.05	U	7.68	0.04	U	7.99	0.04	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	2.13	0.01	U	1.70	0.009	U	ND	ND	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	2.82	0.01	U	1.73	0.009	U	1.52	0.007	U
Pyrene	1.12	0.006	U	ND	ND		0.60	0.003	U
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	3.83	0.02	U	3.55	0.02	U	ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - St. Louis, MO (SLMO)

2002 Final Data Report

Sample I.D.	28925	29031	29071
File I.D.	ENG3395	ENG3396	ENG3397
Date Sampled	07/19/02	07/25/02	07/31/02
Date Analyzed	08/14/02	08/14/02	08/14/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	205.3	216.7	216.4

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND	
Pyridine	ND	ND	ND	ND	ND	ND	
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND	
2-Picoline	ND	ND	ND	ND	ND	ND	
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND	
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND	
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND	
Phenol	10.37	0.05	8.04	0.04	6.60	0.03	U
Pentachloroethane	ND	ND	ND	ND	ND	ND	
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND	
Aniline	ND	ND	ND	ND	ND	ND	
2-Chlorophenol	ND	ND	ND	ND	ND	ND	
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	
1,4-Dichlorobenzene	45.42	0.22	14.77	0.07	15.49	0.07	
Benzyl alcohol	ND	ND	ND	ND	ND	ND	
2-Methylphenol	ND	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	2.09	0.01	ND	ND	ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	
3&4-Methylphenol	ND	ND	ND	ND	ND	ND	
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND	
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND	
o-Toluidine	ND	ND	ND	ND	ND	ND	
Hexachloroethane	ND	ND	ND	ND	ND	ND	
Acetophenone	15.12	0.07	16.46	0.08	13.75	0.06	
Nitrobenzene	ND	ND	ND	ND	ND	ND	
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND	
Isophorone	ND	ND	ND	ND	ND	ND	
2-Nitrophenol	ND	ND	ND	ND	ND	ND	
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND	
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	
4-Chloroaniline	ND	ND	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	
Naphthalene	49.39	0.24	47.70	0.22	41.86	0.19	
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND	
Hexachloropropene	ND	ND	ND	ND	ND	ND	
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND	
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND	
Safrole	ND	ND	ND	ND	ND	ND	
2-Methylnaphthalene	23.68	0.12	26.17	0.12	21.02	0.10	
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND	
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	
2-Nitroaniline	ND	ND	ND	ND	ND	ND	
Isosafrole	ND	ND	ND	ND	ND	ND	
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND	
Dimethyl phthalate	ND	ND	ND	ND	ND	ND	
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND	
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	
3-Nitroaniline	ND	ND	ND	ND	ND	ND	
Acenaphthylene	ND	ND	ND	ND	ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

SemiVolatile Samples - St. Louis, MO (SLMO)

2002 Final Data Report

Sample I.D.	28925		29031		29071	
File I.D.	ENG3395		ENG3396		ENG3397	
Date Sampled	07/19/02		07/25/02		07/31/02	
Date Analyzed	08/14/02		08/14/02		08/14/02	
	Actual Vol (m³)	205.3	Actual Vol (m³)	216.7	Actual Vol (m³)	216.4

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	2.32	0.01	U	2.66	0.01	U	3.46	0.02	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	3.39	0.02		3.81	0.02		4.23	0.02	
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	2.66	0.01	U	1.56	0.007	U	1.70	0.008	U
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	2.96	0.01	U	3.15	0.01	U	3.61	0.02	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallyl	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	7.08	0.03		8.37	0.04		10.60	0.05	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	1.61	0.008	U	ND	ND		3.22	0.01	U
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	1.33	0.006	U	1.64	0.008	U	2.28	0.01	U
Pyrene	0.69	0.003	U	0.84	0.004	U	0.79	0.004	U
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	3.50	0.02	U	ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
 ND - Not Detected
 U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (South West HS - SWMI)

2002 Final Data Report

Sample I.D.	25045 - Field Blank	25046	25294
File I.D.	ENG2838.D	ENG2839.D	ENG2896.D
Date Sampled	01/08/02	01/08/02	01/20/02
Date Analyzed	02/03/02	02/03/02	02/27/02
	Actual Vol (m ³)	Actual Vol (m ³)	280.2
			Actual Vol (m ³)
			286.8

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	ND	ND	27.82	0.10
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	21.20	0.08	18.13	0.06
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	3.82	0.01
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	43.58	0.16	162.88	0.57
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	ND	ND	22.22	0.08	26.54	0.09
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (South West HS - SWMI)

2002 Final Data Report

Sample I.D.	25045 - Field Blank	25046	25294
File I.D.	ENG2838.D	ENG2839.D	ENG2896.D
Date Sampled	01/08/02	01/08/02	01/20/02
Date Analyzed	02/03/02	02/03/02	02/27/02
	Actual Vol (m ³)	Actual Vol (m ³)	280.2
			Actual Vol (m ³) 286.8

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND	ND	ND		ND	ND	
4-Nitrophenol	ND	ND	ND	ND		ND	ND	
Acenaphthene	ND	ND	0.31	0.001	U	1.87	0.01	U
2,4-Dinitrotoluene	ND	ND	ND	ND		ND	ND	
2-Naphthylamine	ND	ND	ND	ND		ND	ND	
Dibenzofuran	ND	ND	1.60	0.01	U	2.61	0.01	U
Pentachlorobenzene	ND	ND	ND	ND		ND	ND	
1-Naphthylamine	ND	ND	ND	ND		ND	ND	
Diethyl phthalate	ND	ND	ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND		ND	ND	
4-Nitroaniline	ND	ND	ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND		ND	ND	
Fluorene	ND	ND	1.31	0.00	U	1.90	0.01	U
5-Nitro-o-toluidine	ND	ND	ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND		ND	ND	
Diphenylamine	ND	ND	ND	ND		ND	ND	
Azobenzene	ND	ND	ND	ND		ND	ND	
Phenacetin	ND	ND	ND	ND		ND	ND	
Diallate	ND	ND	ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND	ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND	ND	ND		ND	ND	
Hexachlorobenzene	ND	ND	ND	ND		ND	ND	
Pronamide	ND	ND	ND	ND		ND	ND	
Pentachlorophenol	ND	ND	ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND	ND	ND		ND	ND	
Phenanthrene	ND	ND	2.67	0.01	U	3.95	0.01	U
Dinoseb	ND	ND	ND	ND		ND	ND	
Anthracene	ND	ND	ND	ND		ND	ND	
Carbazole	ND	ND	ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND	ND	ND		ND	ND	
Benzidine	ND	ND	ND	ND		ND	ND	
Isodrin	ND	ND	ND	ND		ND	ND	
Fluoranthene	ND	ND	ND	ND		ND	ND	
Pyrene	ND	ND	ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND	ND	ND		ND	ND	
Chlorobenzilate	ND	ND	ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND	ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND	ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND	ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND	ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND	ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND	ND	ND		ND	ND	
Chrysene	ND	ND	ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND	ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND	ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND	ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND	ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND	ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND	ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (South West HS - SWMI)

2002 Final Data Report

Sample I.D.	25542	25715	26014
File I.D.	ERG2911.D	ENG2945.D	ENG3079.D/3271.D
Date Sampled	02/01/02	02/13/02	02/25/02
Date Analyzed	02/27/02	03/01/02	04/10/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	259.7	241.6	267.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	21.99	0.08	10.58	0.04	9.62	0.04
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	132.23	0.51	40.96	0.17	882.95	3.31
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	63.20	0.24	26.82	0.11	52.20	0.20
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	1.81	0.01	ND	ND	1.90	0.01

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (South West HS - SWMI)

2002 Final Data Report

Sample I.D.	25542	25715	26014
File I.D.	ERG2911.D	ENG2945.D	ENG3079.D/3271.D
Date Sampled	02/01/02	02/13/02	02/25/02
Date Analyzed	02/27/02	03/01/02	04/10/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	259.7	241.6	267.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	1.36	0.01	U	ND	ND		15.88	0.06	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	2.74	0.01	U	0.65	0.003	U	13.91	0.05	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	2.75	0.01	U	0.74	0.003	U	12.01	0.04	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	5.11	0.02	U	1.84	0.01	U	26.75	0.10	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		1.98	0.01	U
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		13.85	0.05	
Pyrene	ND	ND		ND	ND		7.14	0.03	U
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		2.25	0.01	U
Chrysene	ND	ND		ND	ND		1.88	0.01	U
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (South West HS - SWMI)

2002 Final Data Report

Sample I.D.	26239		26475		26582	
File I.D.	ENG3110.D		ENG3138.D		ENG3191	
Date Sampled	03/09/02		03/21/02		04/02/02	
Date Analyzed	04/12/02		04/12/02		05/30/02	
	Actual Vol (m³)	234.8	Actual Vol (m³)	255.5	Actual Vol (m³)	233.5

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND
Pyridine	ND	ND		ND	ND		ND	ND
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND
2-Picoline	ND	ND		ND	ND		ND	ND
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND
Phenol	ND	ND		ND	ND		17.70	0.08
Pentachloroethane	ND	ND		ND	ND		ND	ND
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND
Aniline	ND	ND		ND	ND		ND	ND
2-Chlorophenol	ND	ND		ND	ND		ND	ND
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND
1,4-Dichlorobenzene	3.10	0.01	U	9.82	0.04	U	27.90	0.12
Benzyl alcohol	ND	ND		ND	ND		ND	ND
2-Methylphenol	ND	ND		ND	ND		ND	ND
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND
3&4-Methylphenol	ND	ND		ND	ND		ND	ND
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND
o-Toluidine	ND	ND		ND	ND		ND	ND
Hexachloroethane	ND	ND		ND	ND		ND	ND
Acetophenone	ND	ND		ND	ND		ND	ND
Nitrobenzene	ND	ND		ND	ND		ND	ND
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND
Isophorone	ND	ND		ND	ND		ND	ND
2-Nitrophenol	ND	ND		ND	ND		ND	ND
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND
4-Chloroaniline	ND	ND		ND	ND		ND	ND
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND
Naphthalene	10.43	0.04	U	23.95	0.09		119.12	0.51
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND
Hexachloropropene	ND	ND		ND	ND		ND	ND
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND
Safrole	ND	ND		ND	ND		ND	ND
2-Methylnaphthalene	5.84	0.02	U	12.40	0.05	U	58.15	0.25
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND
2-Nitroaniline	ND	ND		ND	ND		ND	ND
Isosafrole	ND	ND		ND	ND		ND	ND
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND
Dimethyl phthalate	ND	ND		ND	ND		ND	ND
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND
3-Nitroaniline	ND	ND		ND	ND		ND	ND
Acenaphthylene	ND	ND		ND	ND		ND	ND

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (South West HS - SWMI)

2002 Final Data Report

Sample I.D.	26239			26475			26582	
File I.D.	ENG3110.D			ENG3138.D			ENG3191	
Date Sampled	03/09/02			03/21/02			04/02/02	
Date Analyzed	04/12/02			04/12/02			05/30/02	
	Actual Vol (m³)	234.8		Actual Vol (m³)	255.5		Actual Vol (m³)	233.5

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	ND	ND		ND	ND		3.04	0.013	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	0.75	0.003	U	0.74	0.003	U	3.09	0.013	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	0.30	0.001	U	0.89	0.003	U	2.62	0.011	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	0.78	0.003	U	1.04	0.004	U	4.61	0.02	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
ND - Not Detected
U - Under Detection Limit

SemiVolatile Samples - Detroit, MI (South West HS - SWMI)

2002 Final Data Report

Sample I.D.	26843
File I.D.	VOID
Date Sampled	04/14/02
Date Analyzed	VOID
	Actual Vol (m ³)

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine		
Pyridine		
Ethyl methanesulfonate		
2-Picoline		
N-Nitrosomethylethylamine		
Methyl methanesulfonate		
N-Nitrosodiethylamine		
Phenol		
Pentachloroethane		
bis (2-Chloroethyl)ether		
Aniline		
2-Chlorophenol		
1,3-Dichlorobenzene		
1,4-Dichlorobenzene		
Benzyl alcohol		
2-Methylphenol		
1,2-Dichlorobenzene		
bis(2-Chloroisopropyl)ether		
3&4-Methylphenol		
N-Nitrosopyrrolidine		
N-Nitrosodipropylamine		
o-Toluidine		
Hexachloroethane		
Acetophenone		
Nitrobenzene		
N-Nitrosopiperidine		
Isophorone		
2-Nitrophenol		
2,4-Dimethylphenol		
bis(2-Chloroethoxy)methane		
2,4-Dichlorophenol		
4-Chloroaniline		
1,2,4-Trichlorobenzene		
Naphthalene		
2,6-Dichlorophenol		
Hexachloropropene		
Hexachlorobutadiene		
N-Nitrosodibutylamine		
4-Chloro-3-methylphenol		
Safrole		
2-Methylnaphthalene		
1,2,4,5-Tetrachlorobenzene		
2,4,6-Trichlorophenol		
Hexachlorocyclopentadiene		
2,4,5-Trichlorophenol		
2-Nitroaniline		
Isosafrole		
2-Chloronaphthalene		
1,4-Naphthoquinone		
Dimethyl phthalate		
1,3-Dinitrobenzene		
2,6-Dinitrotoluene		
3-Nitroaniline		
Acenaphthylene		

SemiVolatile Samples - Detroit, MI (South West HS - SWMI)

2002 Final Data Report

Sample I.D.	26843
File I.D.	VOID
Date Sampled	04/14/02
Date Analyzed	VOID
Actual Vol (m ³)	

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
2,4-Dinitrophenol		
4-Nitrophenol		
Acenaphthene		
2,4-Dinitrotoluene		
2-Naphthylamine		
Dibenzofuran		
Pentachlorobenzene		
1-Naphthylamine		
Diethyl phthalate		
2,3,4,6-Tetrachlorophenol		
4-Nitroaniline		
4-Chlorophenyl-phenyl ether		
Fluorene		
5-Nitro-o-toluidine		
4,6-Dinitro-2-methylphenol		
Diphenylamine		
Azobenzene		
Phenacetin		
Diallate		
4-Bromophenyl phenyl ether		
4-Aminobiphenyl		
Hexachlorobenzene		
Pronamide		
Pentachlorophenol		
Pentachloronitrobenzene		
Phenanthrene		
Dinoseb		
Anthracene		
Carbazole		
Di-n-butyl phthalate		
Benzidine		
Isodrin		
Fluoranthene		
Pyrene		
4-Dimethylaminoazobenzene		
Chlorobenzilate		
3,3'-Dimethylbenzidine		
Butyl benzyl phthalate		
2-Acetylaminofluorene		
3-Methylcholanthrene		
3,3'-Dichlorobenzidine		
bis(2-Ethylhexyl)phthalate		
Benzo(a)anthracene		
Chrysene		
Di-n-octyl phthalate		
7,12-Dimethylbenz(a)anthracene		
Benzo(b)fluoranthene		
Benzo(k)fluoranthene		
Benzo(a)pyrene		
Indeno(1,2,3-cd)pyrene		
Dibenz(a,h)anthracene		
Benzo(g,h,i)perylene		

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	24956			25050			25186		
File I.D.	ENG2809.D			ENG2843.D/2949.D			ENG2872.D		
Date Sampled	01/02/02			01/08/02			01/14/02		
Date Analyzed	01/18/02			02/03/02			02/26/02		
	Actual Vol (m³)	240.4		Actual Vol (m³)	228.6		Actual Vol (m³)	233.6	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	18.71	0.08	U	33.97	0.15		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	26.00	0.11		10.29	0.05	U	ND	ND	
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	109.23	0.45		3254.06	14.24	D	ND	14.24	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	53.73	0.22		365.67	1.60		ND	ND	
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorphenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dintrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	1.96	0.01	U	4.96	0.02	U	ND	ND	

D - Dilution
 ND - Not Detected
 U - Under Detection Limit
 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	24956			25050			25186	
File I.D.	ENG2809.D			ENG2843.D/2949.D			ENG2872.D	
Date Sampled	01/02/02			01/08/02			01/14/02	
Date Analyzed	01/18/02			02/03/02			02/26/02	
	Actual Vol (m³)	240.4		Actual Vol (m³)	228.6		Actual Vol (m³)	233.6
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND
4-Nitrophenol	ND	ND		ND	ND		ND	ND
Acenaphthene	1.59	0.01	U	227.18	0.99		ND	ND
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND
2-Naphthylamine	ND	ND		ND	ND		ND	ND
Dibenzofuran	2.17	0.01	U	154.94	0.68		ND	ND
Pentachlorobenzene	ND	ND		ND	ND		ND	ND
1-Naphthylamine	ND	ND		ND	ND		ND	ND
Diethyl phthalate	ND	ND		ND	ND		ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND
4-Nitroaniline	ND	ND		ND	ND		ND	ND
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND
Fluorene	2.62	0.01	U	152.53	0.67		ND	ND
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND
Diphenylamine	ND	ND		ND	ND		ND	ND
Azobenzene	ND	ND		ND	ND		ND	ND
Phenacetin	ND	ND		ND	ND		ND	ND
Diallate	ND	ND		ND	ND		ND	ND
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND
Hexachlorobenzene	ND	ND		ND	ND		ND	ND
Pronamide	ND	ND		ND	ND		ND	ND
Pentachlorophenol	ND	ND		ND	ND		ND	ND
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND
Phenanthrene	5.97	0.02	U	192.03	0.84		ND	ND
Dinoseb	ND	ND		ND	ND		ND	ND
Anthracene	0.53	0.00	U	42.02	0.18		ND	ND
Carbazole	ND	ND		9.92	0.04	U	ND	ND
Di-n-butyl phthalate	ND	ND		10.72	0.05	U	39.72	0.17
Benzidine	ND	ND		ND	ND		ND	ND
Isodrin	ND	ND		ND	ND		ND	ND
Fluoranthene	2.20	0.01	U	40.62	0.18		ND	ND
Pyrene	2.20	0.01	U	40.28	0.18		ND	ND
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND
Chlorobenzilate	ND	ND		ND	ND		ND	ND
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND
Benzo(a)anthracene	0.99	0.004	U	5.05	0.02	U	ND	ND
Chrysene	0.72	0.003	U	5.87	0.03	U	ND	ND
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND
Benzo(b)fluoranthene	ND	ND		3.63	0.02	U	ND	ND
Benzo(k)fluoranthene	ND	ND		2.21	0.01	U	ND	ND
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND

D - Dilution
 ND - Not Detected
 U - Under Detection Limit
 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	25289			25417			25548		
File I.D.	ENG2887.D			ENG2899.D/2950.D			ENG2916.D		
Date Sampled	01/20/02			01/26/02			02/01/02		
Date Analyzed	02/26/02			02/27/02			02/27/02		
	Actual Vol (m ³)	246.8		Actual Vol (m ³)	235.8		Actual Vol (m ³)	247.4	
Compound	Final Conc (µg)	Final µg/m ³		Final Conc (µg)	Final µg/m ³		Final Conc (µg)	Final µg/m ³	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		190.38	0.81		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		32.09	0.14		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	35.15	0.14		72.52	0.31		26.85	0.11	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	13.94	0.06	U	21.46	0.09		17.09	0.07	
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		16.78	0.07		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	3.82	0.02	U	32.28	0.14	U	4.74	0.02	U
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	529.35	2.14		1173.35	4.98	D	522.11	2.11	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	67.90	0.28		183.32	0.78		85.86	0.35	
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorphenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dintrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	2.61	0.01	U	17.82	0.08	U	3.83	0.02	U

D - Dilution
 ND - Not Detected
 U - Under Detection Limit
 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	25289		25417		25548	
File I.D.	ENG2887.D		ENG2899.D/2950.D		ENG2916.D	
Date Sampled	01/20/02		01/26/02		02/01/02	
Date Analyzed	02/26/02		02/27/02		02/27/02	
	Actual Vol (m ³)	246.8	Actual Vol (m ³)	235.8	Actual Vol (m ³)	247.4
Compound	Final Conc (µg)	Final µg/m³	Final Conc (µg)	Final µg/m³	Final Conc (µg)	Final µg/m³
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	23.72	0.10	52.75	0.22	6.74	0.03 U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	19.99	0.08	47.96	0.20	9.12	0.04 U
Pentachlorobenzene	ND	ND	ND	ND	ND	ND
1-Naphthylamine	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND
Fluorene	18.63	0.08	52.37	0.22	8.76	0.04 U
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND
Diallate	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND
Phenanthrene	46.96	0.19	88.23	0.37	15.21	0.06
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	13.66	0.06 U	1.62	0.01 U
Carbazole	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	ND	ND	18.52	0.08	15.15	0.06 U
Benzidine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	26.09	0.11	27.61	0.12	4.11	0.02 U
Pyrene	19.38	0.08	18.02	0.08	3.30	0.01 U
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	5.52	0.02	3.55	0.02 U	ND	ND
Chrysene	6.26	0.03 U	4.32	0.02 U	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	4.29	0.02 U	2.51	0.01 U	ND	ND
Benzo(k)fluoranthene	3.32	0.01 U	3.13	0.01 U	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND

D - Dilution
 ND - Not Detected
 U - Under Detection Limit
 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	25663	25719	25841
File I.D.	ENG2926.D	ENG2947.D	ENG3044.D
Date Sampled	02/07/02	02/13/02	02/19/02
Date Analyzed	02/28/02	03/01/02	03/28/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	284.1	291.8	273.8

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	30.98	0.11
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	12.50	0.05
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	ND	ND	1381.87	5.05
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	18.52	0.07	ND	ND	17.33	0.06
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	133.74	0.49
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	3.05	0.01	430.54	1.57
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	181.53	0.64	436.11	1.49	9813.79	35.84
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	53.25	0.19	91.83	0.31	1973.10	7.21
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	1.01	0.004	0.53	0.002	61.63	0.23

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SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	25663			25719			25841
File I.D.	ENG2926.D			ENG2947.D			ENG3044.D
Date Sampled	02/07/02			02/13/02			02/19/02
Date Analyzed	02/28/02			03/01/02			03/28/02
	Actual Vol (m ³)	284.1		Actual Vol (m ³)	291.8		Actual Vol (m ³) 273.8

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	7.03	0.02	U	19.21	0.07	U	457.82	1.67	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	7.12	0.03	U	13.52	0.05	U	310.19	1.13	
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	6.28	0.02	U	12.14	0.04	U	251.62	0.92	
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallyl	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	13.31	0.05		26.35	0.09		481.15	1.76	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	0.96	0.003	U	3.80	0.01	U	76.49	0.28	
Carbazole	ND	ND		ND	ND		28.17	0.10	
Di-n-butyl phthalate	ND	ND		ND	ND		6.19	0.02	U
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	4.39	0.02	U	12.26	0.04		166.46	0.61	
Pyrene	3.69	0.01	U	10.38	0.04	U	91.22	0.33	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		2.86	0.01	U	17.43	0.06	
Chrysene	ND	ND		4.20	0.01	U	18.96	0.07	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		2.33	0.01	U	8.58	0.03	U
Benzo(k)fluoranthene	ND	ND		2.41	0.01	U	7.78	0.03	U
Benzo(a)pyrene	ND	ND		ND	ND		5.97	0.02	U
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
 ND - Not Detected
 U - Under Detection Limit
 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	26011	26107	26244
File I.D.	ENG3059.D/3285.D	ENG3092.D	ENG3116.D/3286.D
Date Sampled	02/25/02	03/03/02	03/09/02
Date Analyzed	03/29/02	04/11/02	04/12/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	231.8	304.1	210.6

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		30.02	0.14	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		21.17	0.10	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	136.18	0.59		29.03	0.10		702.50	3.34	D
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	9.37	0.04	U	6.00	0.02	U	ND	ND	
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		54.68	0.26	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	12.17	0.05	U	ND	ND		194.26	0.92	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	6462.95	27.88	D	785.95	2.58		7755.30	36.83	D
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	412.17	1.78		66.28	0.22		831.85	3.95	D
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	4.73	0.02	U	1.04	0.003	U	14.29	0.07	U

D - Dilution
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SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	26011	26107	26244
File I.D.	ENG3059.D/3285.D	ENG3092.D	ENG3116.D/3286.D
Date Sampled	02/25/02	03/03/02	03/09/02
Date Analyzed	03/29/02	04/11/02	04/12/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	231.8	304.1	210.6

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	108.64	0.47	20.05	0.07 U	302.58	1.44
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	83.34	0.36	14.48	0.05 U	167.92	0.80
Pentachlorobenzene	ND	ND	ND	ND	ND	ND
1-Naphthylamine	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND
Fluorene	62.69	0.27	10.66	0.04 U	126.27	0.60
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND
Diallate	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND
Phenanthrene	117.32	0.51	18.89	0.06	140.96	0.67
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	7.92	0.03 U	0.72	0.002 U	11.59	0.06 U
Carbazole	6.08	0.03 U	ND	ND	4.27	0.02 U
Di-n-butyl phthalate	9.67	0.04 U	3.05	0.01 U	10.37	0.05 U
Benzidine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	38.54	0.17	4.32	0.01 U	33.02	0.16
Pyrene	22.11	0.10	2.66	0.01 U	16.80	0.08 U
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	4.18	0.02	ND	ND	3.28	0.02 U
Chrysene	6.13	0.03 U	ND	ND	4.74	0.02 U
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	2.95	0.01 U	ND	ND	ND	ND
Benzo(k)fluoranthene	2.49	0.01 U	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND

D - Dilution
 ND - Not Detected
 U - Under Detection Limit
 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	26369	26481	26472
File I.D.	ENG3124.D/3287.D	ENG3145.D/3352.D	ENG3163.D/3320.D
Date Sampled	03/15/02	03/21/02	03/27/02
Date Analyzed	04/12/02	04/13/02	04/15/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	223.9	262.2	272.8

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND	
Pyridine	ND	ND	ND	ND	5.55	0.02	U
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND	
2-Picoline	ND	ND	ND	ND	ND	ND	
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND	
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND	
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND	
Phenol	98.04	0.44	ND	ND	89.07	0.33	
Pentachloroethane	ND	ND	ND	ND	ND	ND	
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND	
Aniline	ND	ND	ND	ND	ND	ND	
2-Chlorophenol	ND	ND	ND	ND	ND	ND	
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	
1,4-Dichlorobenzene	7.27	0.03	U	6.31	0.02	U	U
Benzyl alcohol	ND	ND	ND	ND	ND	ND	
2-Methylphenol	ND	ND	ND	ND	4.75	0.02	U
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	
3&4-Methylphenol	14.78	0.07	U	ND	ND	26.56	0.10
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND	U
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND	
o-Toluidine	ND	ND	ND	ND	ND	ND	
Hexachloroethane	ND	ND	ND	ND	ND	ND	
Acetophenone	ND	ND	ND	ND	ND	ND	
Nitrobenzene	ND	ND	ND	ND	ND	ND	
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND	
Isophorone	ND	ND	ND	ND	ND	ND	
2-Nitrophenol	ND	ND	ND	ND	ND	ND	
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND	
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	
4-Chloroaniline	ND	ND	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	
Naphthalene	4493.75	20.07	D	1699.65	6.48	D	7415.24
2,6-Dichlorophenol	ND	ND		ND	ND		ND
Hexachloropropene	ND	ND		ND	ND		ND
Hexachlorobutadiene	ND	ND		ND	ND		ND
N-Nitrosodibutylamine	ND	ND		ND	ND		ND
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND
Safrole	ND	ND		ND	ND		ND
2-Methylnaphthalene	228.01	1.02		120.03	0.46		841.00
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND
2-Nitroaniline	ND	ND		ND	ND		ND
Isosafrole	ND	ND		ND	ND		ND
2-Chloronaphthalene	ND	ND		ND	ND		ND
1,4-Naphthoquinone	ND	ND		ND	ND		ND
Dimethyl phthalate	ND	ND		ND	ND		ND
1,3-Dinitrobenzene	ND	ND		ND	ND		ND
2,6-Dinitrotoluene	ND	ND		ND	ND		ND
3-Nitroaniline	ND	ND		ND	ND		ND
Acenaphthylene	3.03	0.01	U	0.80	0.003	U	2.73
							0.01
							U

D - Dilution
 ND - Not Detected
 U - Under Detection Limit
 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	26369		26481		26472
File I.D.	ENG3124.D/3287.D		ENG3145.D/3352.D		ENG3163.D/3320.D
Date Sampled	03/15/02		03/21/02		03/27/02
Date Analyzed	04/12/02		04/13/02		04/15/02
	Actual Vol (m ³)	223.9	Actual Vol (m ³)	262.2	Actual Vol (m ³) 272.8

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	135.89	0.61	77.59	0.30	601.64	2.21
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	78.53	0.35	46.84	0.18	310.81	1.14
Pentachlorobenzene	ND	ND	ND	ND	ND	ND
1-Naphthylamine	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND
Fluorene	68.35	0.31	40.74	0.16	288.90	1.06
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND
Diallate	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND
Phenanthrene	160.19	0.72	55.36	0.21	438.70	1.61
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	12.57	0.06	3.76	0.01	40.24	0.15
Carbazole	6.72	0.03	1.92	0.01	11.29	0.04
Di-n-butyl phthalate	11.96	0.05	8.61	0.03	14.64	0.05
Benzidine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	29.35	0.13	8.06	0.03	49.80	0.18
Pyrene	14.65	0.07	4.34	0.02	27.49	0.10
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	2.43	0.01	ND	ND	ND	ND
Chrysene	2.84	0.01	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND

D - Dilution
 ND - Not Detected
 U - Under Detection Limit
 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	26581		26692		26842	
File I.D.	ENG3190		ENG3202		ENG3217	
Date Sampled	04/02/02		04/08/02		04/14/02	
Date Analyzed	05/30/02		05/31/02		05/31/02	
	Actual Vol (m ³)	315.3	Actual Vol (m ³)	240.6	Actual Vol (m ³)	264.2
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	180.38	0.75	26.00	0.10
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	78.13	0.32	3.96	0.01
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	22.03	0.07	822.80	3.42	670.52	2.54
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	14.24	0.06	17.07	0.06
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	101.22	0.42	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	2.27	0.01	434.14	1.80	280.20	1.06
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	217.46	0.69	15023.83	62.45	12608.30	52.41
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	63.77	0.20	999.24	4.15	1025.94	4.26
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	40.09	0.17	47.60	0.18

D - Dilution
 ND - Not Detected
 U - Under Detection Limit
 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	26581			26692			26842		
File I.D.	ENG3190			ENG3202			ENG3217		
Date Sampled	04/02/02			04/08/02			04/14/02		
Date Analyzed	05/30/02			05/31/02			05/31/02		
	Actual Vol (m³)	315.3		Actual Vol (m³)	240.6		Actual Vol (m³)	264.2	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	10.85	0.034	U	248.07	1.031		485.48	1.84	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	10.07	0.032	U	196.10	0.815		343.54	1.300	
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	12.48	0.040	U	170.42	0.708		375.80	1.422	
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	22.70	0.07		209.50	0.87		454.80	1.72	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		23.32	0.10		86.73	0.33	
Carbazole	ND	ND		4.93	0.02	U	26.03	0.10	
Di-n-butyl phthalate	14.83	0.05	U	12.81	0.05	U	20.57	0.08	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	5.73	0.02	U	45.66	0.19		126.65	0.48	
Pyrene	2.71	0.01	U	18.69	0.08		62.68	0.24	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		3.35	0.01	U
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
 ND - Not Detected
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SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	27000		27081		27493 FB
File I.D.	ENG3224		VOID		ENG3259
Date Sampled	04/20/02		04/26/02		05/14/02
Date Analyzed	05/31/02		VOID		06/28/02
	Actual Vol (m ³)	282.0	Actual Vol (m ³)		Actual Vol (m ³)
					NA

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND			ND	ND
Pyridine	ND	ND			ND	ND
Ethyl methanesulfonate	ND	ND			ND	ND
2-Picoline	ND	ND			ND	ND
N-Nitrosomethylethylamine	ND	ND			ND	ND
Methyl methanesulfonate	ND	ND			ND	ND
N-Nitrosodiethylamine	ND	ND			ND	ND
Phenol	ND	ND			ND	ND
Pentachloroethane	ND	ND			ND	ND
bis (2-Chloroethyl)ether	ND	ND			ND	ND
Aniline	ND	ND			ND	ND
2-Chlorophenol	ND	ND			ND	ND
1,3-Dichlorobenzene	ND	ND			ND	ND
1,4-Dichlorobenzene	11.75	0.04	U		ND	ND
Benzyl alcohol	ND	ND			ND	ND
2-Methylphenol	ND	ND			ND	ND
1,2-Dichlorobenzene	ND	ND			ND	ND
bis(2-Chloroisopropyl)ether	ND	ND			ND	ND
3&4-Methylphenol	ND	ND			ND	ND
N-Nitrosopyrrolidine	ND	ND			ND	ND
N-Nitrosodipropylamine	ND	ND			ND	ND
o-Toluidine	ND	ND			ND	ND
Hexachloroethane	ND	ND			ND	ND
Acetophenone	ND	ND			ND	ND
Nitrobenzene	ND	ND			ND	ND
N-Nitrosopiperidine	ND	ND			ND	ND
Isophorone	ND	ND			ND	ND
2-Nitrophenol	ND	ND			ND	ND
2,4-Dimethylphenol	ND	ND			ND	ND
bis(2-Chloroethoxy)methane	ND	ND			ND	ND
2,4-Dichlorophenol	ND	ND			ND	ND
4-Chloroaniline	ND	ND			ND	ND
1,2,4-Trichlorobenzene	ND	ND			ND	ND
Naphthalene	60.18	0.21			ND	ND
2,6-Dichlorophenol	ND	ND			ND	ND
Hexachloropropene	ND	ND			ND	ND
Hexachlorobutadiene	ND	ND			ND	ND
N-Nitrosodibutylamine	ND	ND			ND	ND
4-Chloro-3-methylphenol	ND	ND			ND	ND
Safrole	ND	ND			ND	ND
2-Methylnaphthalene	23.73	0.08			ND	ND
1,2,4,5-Tetrachlorobenzene	ND	ND			ND	ND
2,4,6-Trichlorophenol	ND	ND			ND	ND
Hexachlorocyclopentadiene	ND	ND			ND	ND
2,4,5-Trichlorophenol	ND	ND			ND	ND
2-Nitroaniline	ND	ND			ND	ND
Isosafrole	ND	ND			ND	ND
2-Chloronaphthalene	ND	ND			ND	ND
1,4-Naphthoquinone	ND	ND			ND	ND
Dimethyl phthalate	ND	ND			ND	ND
1,3-Dinitrobenzene	ND	ND			ND	ND
2,6-Dinitrotoluene	ND	ND			ND	ND
3-Nitroaniline	ND	ND			ND	ND
Acenaphthylene	ND	ND			ND	ND

D - Dilution
 ND - Not Detected
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 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	27000		27081		27493 FB
File I.D.	ENG3224		VOID		ENG3259
Date Sampled	04/20/02		04/26/02		05/14/02
Date Analyzed	05/31/02		VOID		06/28/02
	Actual Vol (m ³)	282.0	Actual Vol (m ³)		Actual Vol (m ³)
					NA

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
2,4-Dinitrophenol	ND	ND				ND	ND
4-Nitrophenol	ND	ND				ND	ND
Acenaphthene	2.56	0.009	U			ND	ND
2,4-Dinitrotoluene	ND	ND				ND	ND
2-Naphthylamine	ND	ND				ND	ND
Dibenzofuran	3.34	0.01	U			ND	ND
Pentachlorobenzene	ND	ND				ND	ND
1-Naphthylamine	ND	ND				ND	ND
Diethyl phthalate	ND	ND				ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND				ND	ND
4-Nitroaniline	ND	ND				ND	ND
4-Chlorophenyl-phenyl ether	ND	ND				ND	ND
Fluorene	2.66	0.009	U			ND	ND
5-Nitro-o-toluidine	ND	ND				ND	ND
4,6-Dinitro-2-methylphenol	ND	ND				ND	ND
Diphenylamine	ND	ND				ND	ND
Azobenzene	ND	ND				ND	ND
Phenacetin	ND	ND				ND	ND
Diallyl	ND	ND				ND	ND
4-Bromophenyl phenyl ether	ND	ND				ND	ND
4-Aminobiphenyl	ND	ND				ND	ND
Hexachlorobenzene	ND	ND				ND	ND
Pronamide	ND	ND				ND	ND
Pentachlorophenol	ND	ND				ND	ND
Pentachloronitrobenzene	ND	ND				ND	ND
Phenanthrene	7.97	0.03	U			ND	ND
Dinoseb	ND	ND				ND	ND
Anthracene	ND	ND				ND	ND
Carbazole	ND	ND				ND	ND
Di-n-butyl phthalate	18.52	0.07				ND	ND
Benzidine	ND	ND				ND	ND
Isodrin	ND	ND				ND	ND
Fluoranthene	ND	ND				ND	ND
Pyrene	ND	ND				ND	ND
4-Dimethylaminoazobenzene	ND	ND				ND	ND
Chlorobenzilate	ND	ND				ND	ND
3,3'-Dimethylbenzidine	ND	ND				ND	ND
Butyl benzyl phthalate	ND	ND				ND	ND
2-Acetylaminofluorene	ND	ND				ND	ND
3-Methylcholanthrene	ND	ND				ND	ND
3,3'-Dichlorobenzidine	ND	ND				ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND				ND	ND
Benzo(a)anthracene	ND	ND				ND	ND
Chrysene	ND	ND				ND	ND
Di-n-octyl phthalate	ND	ND				ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND				ND	ND
Benzo(b)fluoranthene	ND	ND				ND	ND
Benzo(k)fluoranthene	ND	ND				ND	ND
Benzo(a)pyrene	ND	ND				ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND				ND	ND
Dibenz(a,h)anthracene	ND	ND				ND	ND
Benzo(g,h,i)perylene	ND	ND				ND	ND

D - Dilution
 ND - Not Detected
 U - Under Detection Limit
 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	27492			27647 D1			27647 R1
File I.D.	ENG3260			ENG3265			ENG3266
Date Sampled	05/14/02			05/20/02			05/20/02
Date Analyzed	06/28/02			06/29/02			06/29/02
	Actual Vol (m ³)	168.7		Actual Vol (m ³)	167.0		Actual Vol (m ³) 167.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	ND	ND		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	5.84	0.03	U	7.02	0.04	U	5.54	0.03	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	83.98	0.50		29.21	0.17		28.70	0.17	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	17.01	0.10	U	13.60	0.08	U	14.26	0.09	U
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	ND	ND		ND	ND		ND	ND	

D - Dilution
 ND - Not Detected
 U - Under Detection Limit
 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	27492			27647 D1			27647 R1
File I.D.	ENG3260			ENG3265			ENG3266
Date Sampled	05/14/02			05/20/02			05/20/02
Date Analyzed	06/28/02			06/29/02			06/29/02
	Actual Vol (m ³)	168.7		Actual Vol (m ³)	167.0		Actual Vol (m ³)
							167.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND
4-Nitrophenol	ND	ND		ND	ND		ND	ND
Acenaphthene	2.97	0.018	U	ND	ND		ND	ND
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND
2-Naphthylamine	ND	ND		ND	ND		ND	ND
Dibenzofuran	2.23	0.01	U	1.34	0.01	U	ND	ND
Pentachlorobenzene	ND	ND		ND	ND		ND	ND
1-Naphthylamine	ND	ND		ND	ND		ND	ND
Diethyl phthalate	ND	ND		ND	ND		ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND
4-Nitroaniline	ND	ND		ND	ND		ND	ND
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND
Fluorene	2.19	0.013	U	1.27	0.008	U	ND	ND
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND
Diphenylamine	ND	ND		ND	ND		ND	ND
Azobenzene	ND	ND		ND	ND		ND	ND
Phenacetin	ND	ND		ND	ND		ND	ND
Diallyl	ND	ND		ND	ND		ND	ND
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND
Hexachlorobenzene	ND	ND		ND	ND		ND	ND
Pronamide	ND	ND		ND	ND		ND	ND
Pentachlorophenol	ND	ND		ND	ND		ND	ND
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND
Phenanthrene	5.47	0.03	U	2.67	0.02	U	2.62	0.02
Dinoseb	ND	ND		ND	ND		ND	ND
Anthracene	ND	ND		ND	ND		ND	ND
Carbazole	ND	ND		ND	ND		ND	ND
Di-n-butyl phthalate	120.23	0.71		21.93	0.13		22.09	0.13
Benidine	ND	ND		ND	ND		ND	ND
Isodrin	ND	ND		ND	ND		ND	ND
Fluoranthene	ND	ND		ND	ND		ND	ND
Pyrene	ND	ND		ND	ND		ND	ND
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND
Chlorobenzilate	ND	ND		ND	ND		ND	ND
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND
Chrysene	ND	ND		ND	ND		ND	ND
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND

D - Dilution
 ND - Not Detected
 U - Under Detection Limit
 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	27648 D2	27648 R2	27772 D1
File I.D.	ENG3267	ENG3268	VOID
Date Sampled	05/20/02	05/20/02	05/26/02
Date Analyzed	06/29/02	06/29/02	VOID
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	224.9	224.9	

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND		ND	ND			
Pyridine	ND	ND		ND	ND			
Ethyl methanesulfonate	ND	ND		ND	ND			
2-Picoline	ND	ND		ND	ND			
N-Nitrosomethylethylamine	ND	ND		ND	ND			
Methyl methanesulfonate	ND	ND		ND	ND			
N-Nitrosodiethylamine	ND	ND		ND	ND			
Phenol	ND	ND		ND	ND			
Pentachloroethane	ND	ND		ND	ND			
bis (2-Chloroethyl)ether	ND	ND		ND	ND			
Aniline	ND	ND		ND	ND			
2-Chlorophenol	ND	ND		ND	ND			
1,3-Dichlorobenzene	ND	ND		ND	ND			
1,4-Dichlorobenzene	9.93	0.04	U	9.53	0.04	U		
Benzyl alcohol	ND	ND		ND	ND			
2-Methylphenol	ND	ND		ND	ND			
1,2-Dichlorobenzene	ND	ND		ND	ND			
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND			
3&4-Methylphenol	ND	ND		ND	ND			
N-Nitrosopyrrolidine	ND	ND		ND	ND			
N-Nitrosodipropylamine	ND	ND		ND	ND			
o-Toluidine	ND	ND		ND	ND			
Hexachloroethane	ND	ND		ND	ND			
Acetophenone	ND	ND		ND	ND			
Nitrobenzene	ND	ND		ND	ND			
N-Nitrosopiperidine	ND	ND		ND	ND			
Isophorone	ND	ND		ND	ND			
2-Nitrophenol	ND	ND		ND	ND			
2,4-Dimethylphenol	ND	ND		ND	ND			
bis(2-Chloroethoxy)methane	ND	ND		ND	ND			
2,4-Dichlorophenol	ND	ND		ND	ND			
4-Chloroaniline	ND	ND		ND	ND			
1,2,4-Trichlorobenzene	ND	ND		ND	ND			
Naphthalene	32.19	0.14		35.67	0.16			
2,6-Dichlorophenol	ND	ND		ND	ND			
Hexachloropropene	ND	ND		ND	ND			
Hexachlorobutadiene	ND	ND		ND	ND			
N-Nitrosodibutylamine	ND	ND		ND	ND			
4-Chloro-3-methylphenol	ND	ND		ND	ND			
Safrole	ND	ND		ND	ND			
2-Methylnaphthalene	17.74	0.08	U	18.29	0.08	U		
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND			
2,4,6-Trichlorophenol	ND	ND		ND	ND			
Hexachlorocyclopentadiene	ND	ND		ND	ND			
2,4,5-Trichlorophenol	ND	ND		ND	ND			
2-Nitroaniline	ND	ND		ND	ND			
Isosafrole	ND	ND		ND	ND			
2-Chloronaphthalene	ND	ND		ND	ND			
1,4-Naphthoquinone	ND	ND		ND	ND			
Dimethyl phthalate	ND	ND		ND	ND			
1,3-Dinitrobenzene	ND	ND		ND	ND			
2,6-Dinitrotoluene	ND	ND		ND	ND			
3-Nitroaniline	ND	ND		ND	ND			
Acenaphthylene	ND	ND		ND	ND			

D - Dilution
 ND - Not Detected
 U - Under Detection Limit
 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	27648 D2	27648 R2	27772 D1
File I.D.	ENG3267	ENG3268	VOID
Date Sampled	05/20/02	05/20/02	05/26/02
Date Analyzed	06/29/02	06/29/02	VOID
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	224.9	224.9	

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
2,4-Dinitrophenol	ND	ND		ND	ND			
4-Nitrophenol	ND	ND		ND	ND			
Acenaphthene	ND	ND		ND	ND			
2,4-Dinitrotoluene	ND	ND		ND	ND			
2-Naphthylamine	ND	ND		ND	ND			
Dibenzofuran	0.84	0.00	U	ND	ND			
Pentachlorobenzene	ND	ND		ND	ND			
1-Naphthylamine	ND	ND		ND	ND			
Diethyl phthalate	ND	ND		ND	ND			
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND			
4-Nitroaniline	ND	ND		ND	ND			
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND			
Fluorene	1.48	0.007	U	0.93	0.004	U		
5-Nitro-o-toluidine	ND	ND		ND	ND			
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND			
Diphenylamine	ND	ND		ND	ND			
Azobenzene	ND	ND		ND	ND			
Phenacetin	ND	ND		ND	ND			
Diallyl	ND	ND		ND	ND			
4-Bromophenyl phenyl ether	ND	ND		ND	ND			
4-Aminobiphenyl	ND	ND		ND	ND			
Hexachlorobenzene	ND	ND		ND	ND			
Pronamide	ND	ND		ND	ND			
Pentachlorophenol	ND	ND		ND	ND			
Pentachloronitrobenzene	ND	ND		ND	ND			
Phenanthrene	2.91	0.01	U	2.65	0.01	U		
Dinoseb	ND	ND		ND	ND			
Anthracene	ND	ND		ND	ND			
Carbazole	ND	ND		ND	ND			
Di-n-butyl phthalate	ND	ND		ND	ND			
Benzidine	ND	ND		ND	ND			
Isodrin	ND	ND		ND	ND			
Fluoranthene	ND	ND		ND	ND			
Pyrene	ND	ND		ND	ND			
4-Dimethylaminoazobenzene	ND	ND		ND	ND			
Chlorobenzilate	ND	ND		ND	ND			
3,3'-Dimethylbenzidine	ND	ND		ND	ND			
Butyl benzyl phthalate	ND	ND		ND	ND			
2-Acetylaminofluorene	ND	ND		ND	ND			
3-Methylcholanthrene	ND	ND		ND	ND			
3,3'-Dichlorobenzidine	ND	ND		ND	ND			
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND			
Benzo(a)anthracene	ND	ND		ND	ND			
Chrysene	ND	ND		ND	ND			
Di-n-octyl phthalate	ND	ND		ND	ND			
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND			
Benzo(b)fluoranthene	ND	ND		ND	ND			
Benzo(k)fluoranthene	ND	ND		ND	ND			
Benzo(a)pyrene	ND	ND		ND	ND			
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND			
Dibenz(a,h)anthracene	ND	ND		ND	ND			
Benzo(g,h,i)perylene	ND	ND		ND	ND			

D - Dilution
 ND - Not Detected
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 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	27773 D2			27806 D1			27807 D2
File I.D.	ENG3278			ENG3340			ENG3341
Date Sampled	05/26/02			06/01/02			06/01/02
Date Analyzed	06/29/02			07/25/02			07/26/02
	Actual Vol (m ³)	251.9		Actual Vol (m ³)	238.9		Actual Vol (m ³) 277.8

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	40.51	0.16		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	20.27	0.08		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	644.98	2.56		6.19	0.03	U	5.23	0.02	U
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	18.63	0.07		15.23	0.06	U	15.35	0.06	U
Benzyl alcohol	ND	ND		19.21	0.08		20.18	0.07	
2-Methylphenol	53.08	0.21		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	280.72	1.11		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		14.25	0.06		15.89	0.06	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	14319.30	26.33	D	662.17	1.11	D	754.24	1.01	D
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	1302.50	5.28		77.91	0.33		85.00	0.31	
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	39.16	0.16		ND	ND		ND	ND	

D - Dilution
 ND - Not Detected
 U - Under Detection Limit
 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	27773 D2			27806 D1			27807 D2
File I.D.	ENG3278			ENG3340			ENG3341
Date Sampled	05/26/02			06/01/02			06/01/02
Date Analyzed	06/29/02			07/25/02			07/26/02
	Actual Vol (m ³)	251.9		Actual Vol (m ³)	238.9		Actual Vol (m ³) 277.8

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	436.21	1.732		41.42	0.173		44.97	0.162	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	347.56	1.38		35.97	0.15		37.67	0.14	
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	344.82	1.369		30.51	0.128		32.83	0.118	
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallyl	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	360.12	1.43		49.26	0.21		58.60	0.21	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	37.58	0.15		1.87	0.01	U	1.96	0.01	U
Carbazole	11.21	0.04	U	1.59	0.01	U	1.67	0.01	U
Di-n-butyl phthalate	ND	ND		36.11	0.15		ND	ND	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	61.39	0.24		10.70	0.04	U	15.88	0.06	
Pyrene	35.92	0.14		3.76	0.02	U	5.09	0.02	U
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		2.48	0.01	U	2.78	0.01	U
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
 ND - Not Detected
 U - Under Detection Limit
 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	27936 D1			27937 D2			28051 D1
File I.D.	ENG3355			ENG3356			ENG3342
Date Sampled	06/07/02			06/07/02			06/13/02
Date Analyzed	08/02/02			08/02/02			07/26/02
	Actual Vol (m ³)	258.2		Actual Vol (m ³)	274.5		Actual Vol (m ³) 241.6

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	24.94	0.10		11.18	0.04	U	ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	9.40	0.04	U	6.05	0.02	U	ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	130.69	0.51		149.71	0.55		12.39	0.05	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	40.95	0.16		41.54	0.15		10.03	0.04	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	57.64	0.22		75.45	0.27		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		12.86	0.05	U
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	4505.50	5.84	D	5302.12	7.43	D	44.01	0.18	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	318.57	1.33	D	339.98	1.80	D	28.86	0.12	
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	4.32	0.02		5.17	0.02		ND	ND	

D - Dilution
 ND - Not Detected
 U - Under Detection Limit
 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	27936 D1		27937 D2		28051 D1	
File I.D.	ENG3355		ENG3356		ENG3342	
Date Sampled	06/07/02		06/07/02		06/13/02	
Date Analyzed	08/02/02		08/02/02		07/26/02	
	Actual Vol (m ³)	258.2	Actual Vol (m ³)	274.5	Actual Vol (m ³)	241.6

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	
4-Nitrophenol	ND	ND	ND	ND	ND	ND	
Acenaphthene	89.81	0.348	109.53	0.399	3.51	0.015	U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	
2-Naphthylamine	ND	ND	ND	ND	ND	ND	
Dibenzofuran	68.17	0.26	83.09	0.30	3.67	0.02	U
Pentachlorobenzene	ND	ND	ND	ND	ND	ND	
1-Naphthylamine	ND	ND	ND	ND	ND	ND	
Diethyl phthalate	ND	ND	2.05	0.01	ND	ND	U
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND	
4-Nitroaniline	ND	ND	ND	ND	ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND	
Fluorene	66.02	0.256	77.44	0.282	4.85	0.020	U
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND	
Diphenylamine	ND	ND	ND	ND	ND	ND	
Azobenzene	ND	ND	ND	ND	ND	ND	
Phenacetin	ND	ND	ND	ND	ND	ND	
Diallyl	ND	ND	ND	ND	ND	ND	
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND	
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND	
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	
Pronamide	ND	ND	ND	ND	ND	ND	
Pentachlorophenol	ND	ND	ND	ND	ND	ND	
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND	
Phenanthrene	89.52	0.35	105.76	0.39	10.62	0.04	U
Dinoseb	ND	ND	ND	ND	ND	ND	
Anthracene	9.11	0.04	11.19	0.04	ND	ND	
Carbazole	3.65	0.01	3.59	0.01	ND	ND	U
Di-n-butyl phthalate	22.20	0.09	2.68	0.01	ND	ND	U
Benzidine	ND	ND	ND	ND	ND	ND	
Isodrin	ND	ND	ND	ND	ND	ND	
Fluoranthene	21.16	0.08	28.98	0.11	2.94	0.01	U
Pyrene	9.06	0.04	11.40	0.04	1.66	0.01	U
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND	
Chlorobenzilate	ND	ND	ND	ND	ND	ND	
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND	
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND	
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND	
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND	
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	
bis(2-Ethylhexyl)phthalate	23.97	0.09	6.40	0.02	18.40	0.08	U
Benzo(a)anthracene	1.07	0.00	1.36	0.00	ND	ND	U
Chrysene	1.89	0.01	2.52	0.01	ND	ND	U
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND	
Benzo(b)fluoranthene	ND	ND	1.30	0.00	ND	ND	U
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND	
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	

D - Dilution
 ND - Not Detected
 U - Under Detection Limit
 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	28052 D2			28208 D1			28209 D2
File I.D.	ENG3343			ENG3344			ENG3345
Date Sampled	06/13/02			06/19/02			06/19/02
Date Analyzed	07/26/02			07/26/02			07/26/02
	Actual Vol (m ³)	238.0		Actual Vol (m ³)	243.4		Actual Vol (m ³) 215.4

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND	ND	ND		ND	ND	
Pyridine	ND	ND	9.26	0.04	U	6.26	0.03	U
Ethyl methanesulfonate	ND	ND	ND	ND		ND	ND	
2-Picoline	ND	ND	2.99	0.01	U	3.21	0.01	U
N-Nitrosomethylethylamine	ND	ND	ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND	ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND	ND	ND		ND	ND	
Phenol	11.05	0.05	100.47	0.41		100.92	0.47	
Pentachloroethane	ND	ND	ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND	ND	ND		ND	ND	
Aniline	ND	ND	ND	ND		ND	ND	
2-Chlorophenol	ND	ND	ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND	ND	ND		ND	ND	
1,4-Dichlorobenzene	9.25	0.04	5.74	0.02		5.82	0.03	
Benzyl alcohol	ND	ND	ND	ND		ND	ND	
2-Methylphenol	ND	ND	ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND	ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND		ND	ND	
3&4-Methylphenol	ND	ND	40.85	0.17		40.43	0.19	
N-Nitrosopyrrolidine	ND	ND	ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND	ND	ND		ND	ND	
o-Toluidine	ND	ND	ND	ND		ND	ND	
Hexachloroethane	ND	ND	ND	ND		ND	ND	
Acetophenone	10.32	0.04	35.12	0.14		36.87	0.17	
Nitrobenzene	ND	ND	ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND	ND	ND		ND	ND	
Isophorone	ND	ND	ND	ND		ND	ND	
2-Nitrophenol	ND	ND	ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND	ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND	ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND	ND	ND		ND	ND	
4-Chloroaniline	ND	ND	ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND	ND	ND		ND	ND	
Naphthalene	43.68	0.18	5783.55	9.73	D	6197.17	10.96	D
2,6-Dichlorophenol	ND	ND	ND	ND		ND	ND	
Hexachloropropene	ND	ND	ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND	ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND	ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND	ND	ND		ND	ND	
Safrole	ND	ND	ND	ND		ND	ND	
2-Methylnaphthalene	30.64	0.13	309.35	1.89	D	318.55	2.13	D
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND	ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND	ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND	ND	ND		ND	ND	
2-Nitroaniline	ND	ND	ND	ND		ND	ND	
Isosafrole	ND	ND	ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND	ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND	ND	ND		ND	ND	
Dimethyl phthalate	ND	ND	ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND	ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND	ND	ND		ND	ND	
3-Nitroaniline	ND	ND	ND	ND		ND	ND	
Acenaphthylene	ND	ND	4.33	0.02		4.79	0.02	

D - Dilution
 ND - Not Detected
 U - Under Detection Limit
 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	28052 D2			28208 D1			28209 D2
File I.D.	ENG3343			ENG3344			ENG3345
Date Sampled	06/13/02			06/19/02			06/19/02
Date Analyzed	07/26/02			07/26/02			07/26/02
	Actual Vol (m ³)	238.0		Actual Vol (m ³)	243.4		Actual Vol (m ³) 215.4

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND
4-Nitrophenol	ND	ND		ND	ND		ND	ND
Acenaphthene	3.68	0.015	U	99.59	0.409		98.78	0.459
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND
2-Naphthylamine	ND	ND		ND	ND		ND	ND
Dibenzofuran	3.71	0.02		95.48	0.39		97.02	0.45
Pentachlorobenzene	ND	ND		ND	ND		ND	ND
1-Naphthylamine	ND	ND		ND	ND		ND	ND
Diethyl phthalate	ND	ND		ND	ND		ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND
4-Nitroaniline	ND	ND		ND	ND		ND	ND
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND
Fluorene	3.97	0.017	U	89.01	0.366		89.61	0.416
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND
Diphenylamine	ND	ND		ND	ND		ND	ND
Azobenzene	ND	ND		ND	ND		ND	ND
Phenacetin	ND	ND		ND	ND		ND	ND
Diallyl	ND	ND		ND	ND		ND	ND
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND
Hexachlorobenzene	ND	ND		ND	ND		ND	ND
Pronamide	ND	ND		ND	ND		ND	ND
Pentachlorophenol	ND	ND		ND	ND		ND	ND
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND
Phenanthrene	9.74	0.04		141.27	0.58		138.25	0.64
Dinoseb	ND	ND		ND	ND		ND	ND
Anthracene	ND	ND		8.85	0.04		8.19	0.04
Carbazole	ND	ND		5.41	0.02	U	5.49	0.03
Di-n-butyl phthalate	22.05	0.09		ND	ND		46.52	0.22
Benidine	ND	ND		ND	ND		ND	ND
Isodrin	ND	ND		ND	ND		ND	ND
Fluoranthene	2.36	0.01	U	36.42	0.15		37.61	0.17
Pyrene	1.24	0.01	U	14.96	0.06		13.74	0.06
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND
Chlorobenzilate	ND	ND		ND	ND		ND	ND
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND
bis(2-Ethylhexyl)phthalate	18.80	0.08		17.67	0.07		16.53	0.08
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND
Chrysene	ND	ND		ND	ND		ND	ND
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND

D - Dilution
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 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	28390 D1		28391 D2		28525 D1	
File I.D.	ENG3353		ENG3354		ENG3360	
Date Sampled	06/25/02		06/25/02		07/01/02	
Date Analyzed	08/02/02		08/02/02		08/02/02	
	Actual Vol (m³)	286.8	Actual Vol (m³)	239.8	Actual Vol (m³)	222.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	2.73	0.01	U	5.50	0.02	U	ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	6.31	0.02	U	8.32	0.03	U	ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	154.14	0.54		145.36	0.61		41.02	0.185	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	33.13	0.12		33.34	0.14		17.98	0.081	
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	109.28	0.38		75.08	0.31		47.16	0.212	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	20142.78	43.17	D	20206.96	43.29	D	6368.34	28.686	D
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	3207.69	11.18	E	2621.09	10.93	E	833.42	3.751	E
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	10.88	0.04		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	10.75	0.04		11.38	0.05		4.98	0.022	

D - Dilution
 ND - Not Detected
 U - Under Detection Limit
 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	28390 D1			28391 D2			28525 D1		
File I.D.	ENG3353			ENG3354			ENG3360		
Date Sampled	06/25/02			06/25/02			07/01/02		
Date Analyzed	08/02/02			08/02/02			08/02/02		
	Actual Vol (m ³)	286.8		Actual Vol (m ³)	239.8		Actual Vol (m ³)	222.0	

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	240.48	0.838	E	231.88	0.967	E	196.09	0.882	E
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	194.80	0.68	E	195.49	0.82	E	174.22	0.784	E
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	2.91	0.01	U	2.71	0.01	U	2.47	0.011	U
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	185.15	0.646	E	179.33	0.748	E	157.12	0.707	
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	296.57	1.03	E	289.22	1.21	E	257.28	1.158	E
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	32.06	0.11		34.37	0.14		26.22	0.118	
Carbazole	16.97	0.06		17.10	0.07		19.72	0.089	
Di-n-butyl phthalate	114.27	0.40		10.21	0.04		6.17	0.028	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	106.95	0.37		107.86	0.45		93.55	0.421	
Pyrene	39.72	0.14		40.18	0.17		33.23	0.150	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	8.25	0.03		7.96	0.03		25.44	0.114	
Benzo(a)anthracene	2.62	0.01	U	3.43	0.01	U	2.19	0.010	U
Chrysene	4.41	0.02	U	5.30	0.02	U	4.50	0.020	U
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	2.25	0.01	U	3.08	0.01	U	ND	ND	
Benzo(k)fluoranthene	1.24	0.00	U	1.48	0.01	U	ND	ND	
Benzo(a)pyrene	1.78	0.01	U	2.45	0.01	U	ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
 ND - Not Detected
 U - Under Detection Limit
 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	28524 D2		28529 D1		28530 D2	
File I.D.	ENG3361		ENG3381		ENG3382	
Date Sampled	07/01/02		07/07/02		07/07/02	
Date Analyzed	08/02/02		08/03/02		08/03/02	
	Actual Vol (m³)	232.8	Actual Vol (m³)	228.1	Actual Vol (m³)	226.3

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		1.61	0.007	U	1.50	0.007	U
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	37.11	0.159		146.69	0.643		137.37	0.607	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	18.85	0.081		59.37	0.260		58.32	0.258	
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	37.71	0.162		86.03	0.377		74.65	0.330	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	2806.84	12.057		10194.58	44.693		10750.79	47.507	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	770.06	3.308	E	1186.15	5.200		955.90	4.224	
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		5.12	0.023	U
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	3.53	0.015	U	13.47	0.059		13.66	0.060	

D - Dilution
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SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	28524 D2		28529 D1		28530 D2	
File I.D.	ENG3361		ENG3381		ENG3382	
Date Sampled	07/01/02		07/07/02		07/07/02	
Date Analyzed	08/02/02		08/03/02		08/03/02	
	Actual Vol (m ³)	232.8	Actual Vol (m ³)	228.1	Actual Vol (m ³)	226.3

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	8.18	0.035		ND	ND		ND	ND	
Acenaphthene	166.85	0.717	E	190.66	0.836		183.52	0.811	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	163.34	0.702	E	169.62	0.744		158.27	0.699	
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	2.78	0.012	U	3.13	0.014	U	2.22	0.010	U
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	140.16	0.602		152.63	0.669		156.11	0.690	
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	221.85	0.953	E	274.62	1.204		250.20	1.106	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	17.50	0.075		48.36	0.212		42.96	0.190	
Carbazole	14.97	0.064		15.60	0.068		13.00	0.057	
Di-n-butyl phthalate	98.81	0.424		66.30	0.291		2.72	0.012	U
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	75.60	0.325		88.16	0.386		77.54	0.343	
Pyrene	29.97	0.129		44.51	0.195		41.78	0.185	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	7.82	0.034		5.82	0.025		4.25	0.019	U
Benzo(a)anthracene	1.40	0.006	U	3.44	0.015	U	2.82	0.012	U
Chrysene	3.46	0.015	U	5.72	0.025	U	4.41	0.019	U
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		3.45	0.015	U	ND	ND	
Benzo(k)fluoranthene	ND	ND		2.42	0.011	U	ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
 ND - Not Detected
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 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	28666 D1			28667 D2			28787 D1		
File I.D.	ENG3460			ENG3459			ENG3461		
Date Sampled	07/13/02			07/13/02			07/19/02		
Date Analyzed	09/05/02			09/05/02			09/05/02		
	Actual Vol (m ³)	256.9		Actual Vol (m ³)	254.0		Actual Vol (m ³)	201.6	
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	18.16	0.071		28.71	0.113		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	1.67	0.007	U	5.32	0.021	U	ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	176.09	0.688	E	174.68	0.688	E	47.74	0.237	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	69.46	0.271		71.44	0.281		20.10	0.100	
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	65.21	0.255		69.91	0.275		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	4449.23	17.319	D	4943.73	19.463	D	243.47	1.208	D
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	452.10	1.766	E	561.98	2.213	E	42.66	0.212	
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	4.84	0.019		4.78	0.019		1.54	0.008	U

D - Dilution
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SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	28666 D1			28667 D2			28787 D1		
File I.D.	ENG3460			ENG3459			ENG3461		
Date Sampled	07/13/02			07/13/02			07/19/02		
Date Analyzed	09/05/02			09/05/02			09/05/02		
	Actual Vol (m ³)	256.9		Actual Vol (m ³)	254.0		Actual Vol (m ³)	201.6	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	137.78	0.538		143.35	0.564		8.38	0.042	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	116.64	0.456		128.93	0.508		12.50	0.062	
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	3.69	0.014	U	3.80	0.015	U	1.70	0.008	U
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	5.25	0.020	U	ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	100.42	0.392		109.28	0.430		9.37	0.046	
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	153.77	0.601		156.20	0.615		19.73	0.098	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	24.43	0.095		24.93	0.098		0.89	0.004	U
Carbazole	10.77	0.042		13.62	0.054		1.06	0.005	U
Di-n-butyl phthalate	4.68	0.018	U	58.80	0.231		62.57	0.310	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	52.60	0.205		56.32	0.222		5.38	0.027	
Pyrene	33.97	0.133		38.47	0.151		3.46	0.017	U
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	3.64	0.014	U	3.58	0.014	U	3.69	0.018	U
Benzo(a)anthracene	1.84	0.007	U	2.01	0.008	U	0.23	0.001	U
Chrysene	3.19	0.012	U	3.43	0.014	U	0.68	0.003	U
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	3.02	0.012	U	4.15	0.016	U	0.27	0.001	U
Benzo(k)fluoranthene	3.17	0.012	U	3.04	0.012	U	0.16	0.001	U
Benzo(a)pyrene	1.18	0.005	U	1.33	0.005	U	ND	ND	
Indeno(1,2,3-cd)pyrene	1.78	0.007	U	2.21	0.009	U	ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	2.34	0.009	U	2.26	0.009	U	ND	ND	

D - Dilution
 ND - Not Detected
 U - Under Detection Limit
 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	28788 D2		28938		29029 D1	
File I.D.	ENG3462		ENG3463		ENG3464	
Date Sampled	07/19/02		07/25/02		07/31/02	
Date Analyzed	09/05/02		09/05/02		09/05/02	
	Actual Vol (m³)	230.9	Actual Vol (m³)	254.6	Actual Vol (m³)	198.8

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	42.86	0.186		47.13	0.185		33.60	0.147	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	18.02	0.078		6.35	0.025		19.18	0.084	
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		14.26	0.056		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	263.54	1.141	D	1449.71	5.694	D	2187.44	11.003	D
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	47.91	0.208		109.26	0.429		250.50	1.099	E
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	1.84	0.008	U	3.54	0.014	U	1.96	0.009	U

D - Dilution
 ND - Not Detected
 U - Under Detection Limit
 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	28788 D2		28938		29029 D1	
File I.D.	ENG3462		ENG3463		ENG3464	
Date Sampled	07/19/02		07/25/02		07/31/02	
Date Analyzed	09/05/02		09/05/02		09/05/02	
	Actual Vol (m³)	230.9	Actual Vol (m³)	254.6	Actual Vol (m³)	198.8

Compound	Final Conc (µg)	Final µg/m ³		Final Conc (µg)	Final µg/m ³		Final Conc (µg)	Final µg/m ³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	10.13	0.044		59.96	0.236		82.97	0.364	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	13.86	0.060		42.20	0.166		71.31	0.313	
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	1.94	0.008	U	1.18	0.005	U	2.34	0.010	U
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	10.80	0.047		40.71	0.160		55.95	0.245	
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallyl	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	22.79	0.099		60.27	0.237		94.04	0.412	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	0.84	0.004	U	10.05	0.039		10.34	0.045	
Carbazole	1.27	0.006	U	3.55	0.014	U	5.95	0.026	
Di-n-butyl phthalate	2.80	0.012	U	33.13	0.130		65.44	0.287	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	7.38	0.032		16.08	0.063		28.50	0.125	
Pyrene	4.68	0.020	U	10.82	0.043		18.21	0.080	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	3.52	0.015	U	2.46	0.010	U	4.38	0.019	U
Benzo(a)anthracene	0.26	0.001	U	0.57	0.002	U	1.20	0.005	U
Chrysene	0.72	0.003	U	0.94	0.004	U	2.19	0.010	U
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		0.23	0.001	U	1.21	0.005	U
Benzo(k)fluoranthene	ND	ND		0.26	0.001	U	0.95	0.004	U
Benzo(a)pyrene	ND	ND		ND	ND		0.63	0.003	U
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		0.62	0.003	U
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		0.72	0.003	U

D - Dilution
ND - Not Detected
U - Under Detection Limit
E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	29030 D2	29117 D1	29118 D2
File I.D.	ENG3465	ENG3506	ENG3507
Date Sampled	07/31/02	08/06/02	08/06/02
Date Analyzed	09/05/02	10/03/02	10/03/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	228.0	218.2	249.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	ND	ND		6.64	0.030	U	6.24	0.029	U
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	18.82	0.083		8.39	0.038		8.97	0.041	
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		7.28	0.033	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	3291.00	14.434	D	40.61	0.186		45.25	0.207	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	193.27	0.848	E	20.85	0.096		23.49	0.108	
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	2.33	0.010	U	ND	ND		ND	ND	

D - Dilution
 ND - Not Detected
 U - Under Detection Limit
 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	29030 D2	29117 D1	29118 D2
File I.D.	ENG3465	ENG3506	ENG3507
Date Sampled	07/31/02	08/06/02	08/06/02
Date Analyzed	09/05/02	10/03/02	10/03/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	228.0	218.2	249.0

Compound	Final Conc (µg)	Final µg/m ³	Final Conc (µg)	Final µg/m ³	Final Conc (µg)	Final µg/m ³
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	83.88	0.368	1.96	0.009	U	2.46
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	79.55	0.349	2.23	0.010	U	2.73
Pentachlorobenzene	ND	ND	ND	ND	ND	ND
1-Naphthylamine	ND	ND	ND	ND	ND	ND
Diethyl phthalate	2.30	0.010	U	1.83	0.008	U
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND
Fluorene	55.85	0.245	2.00	0.009	U	2.73
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND
Diallyl	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND
Phenanthrene	91.82	0.403	6.06	0.028	7.31	0.033
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	8.32	0.036	0.15	0.001	U	0.22
Carbazole	5.04	0.022	U	ND	ND	ND
Di-n-butyl phthalate	3.18	0.014	U	2.10	0.010	U
Benzidine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	24.05	0.105	1.58	0.007	U	2.22
Pyrene	14.01	0.061	1.09	0.005	U	1.40
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	4.10	0.018	U	2.25	0.010	U
Benzo(a)anthracene	0.86	0.004	U	ND	ND	ND
Chrysene	1.79	0.008	U	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1.01	0.004	U	ND	ND	ND
Benzo(k)fluoranthene	0.76	0.003	U	ND	ND	ND
Benzo(a)pyrene	0.61	0.003	U	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND

D - Dilution
 ND - Not Detected
 U - Under Detection Limit
 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	29214 D1			29215 D2			29275 D1		
File I.D.	ENG3508			ENG3509			ENG3513		
Date Sampled	08/12/02			08/12/02			08/19/02		
Date Analyzed	10/03/02			10/03/02			10/04/02		
	Actual Vol (m ³)	214.8		Actual Vol (m ³)	222.4		Actual Vol (m ³)	209.9	
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	4.60	0.021	U	7.24	0.033	U	2.75	0.013	U
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	115.93	0.540		122.20	0.549		27.99	0.133	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	11.79	0.055		11.25	0.051		13.95	0.066	
Benzyl alcohol	4.37	0.020	U	5.87	0.026	U	3.68	0.018	U
2-Methylphenol	11.41	0.053		14.90	0.067		2.92	0.014	U
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	67.18	0.313		78.96	0.355		15.37	0.073	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		18.45	0.088	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	16691.94	77.709	D	14461.46	65.025	D	2831.24	13.489	D
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	1660.44	7.730	E	1885.34	8.477		246.13	1.173	E
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	5.97	0.028		5.77	0.026		1.73	0.008	U

D - Dilution
 ND - Not Detected
 U - Under Detection Limit
 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	29214 D1		29215 D2		29275 D1	
File I.D.	ENG3508		ENG3509		ENG3513	
Date Sampled	08/12/02		08/12/02		08/19/02	
Date Analyzed	10/03/02		10/03/02		10/04/02	
	Actual Vol (m ³)	214.8	Actual Vol (m ³)	222.4	Actual Vol (m ³)	209.9

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	229.19	1.067	E	250.72	1.127	E	95.84	0.457	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	199.93	0.931	E	214.83	0.966	E	82.87	0.395	
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	1.91	0.009	U	2.30	0.010	U	3.20	0.015	U
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		6.38	0.029		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	151.15	0.704		162.12	0.729	E	64.22	0.306	
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallyl	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	203.77	0.949	E	215.03	0.967	E	87.04	0.415	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	35.29	0.164		46.75	0.210		8.35	0.040	
Carbazole	27.15	0.126		29.11	0.131		5.04	0.024	U
Di-n-butyl phthalate	2.12	0.010	U	46.81	0.210		2.91	0.014	U
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		5.67	0.025		ND	ND	
Fluoranthene	79.47	0.370		86.49	0.389		22.51	0.107	
Pyrene	56.48	0.263		79.87	0.359		11.72	0.056	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	3.28	0.015	U	145.92	0.656		2.97	0.014	U
Benzo(a)anthracene	6.28	0.029		8.89	0.040		0.60	0.003	U
Chrysene	11.17	0.052		15.00	0.067		1.13	0.005	U
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	10.29	0.048		9.35	0.042		0.47	0.002	U
Benzo(k)fluoranthene	6.90	0.032		8.56	0.038		0.80	0.004	U
Benzo(a)pyrene	4.26	0.020		4.16	0.019		ND	ND	
Indeno(1,2,3-cd)pyrene	4.46	0.021	U	6.14	0.028	U	ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	4.85	0.023	U	6.11	0.027		ND	ND	

D - Dilution
 ND - Not Detected
 U - Under Detection Limit
 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	29276 D2			29404 D1			29405 D2
File I.D.	ENG3514			ENG3511			ENG3512
Date Sampled	08/19/02			08/24/02			08/24/02
Date Analyzed	10/04/02			10/03/02			10/03/02
	Actual Vol (m ³)	240.7		Actual Vol (m ³)	207.2		Actual Vol (m ³) 227.7

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	2.87	0.012	U	ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	24.66	0.102		12.79	0.062		14.23	0.062	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	12.22	0.051		27.37	0.132		29.95	0.132	
Benzyl alcohol	3.10	0.013	U	8.33	0.040	U	7.87	0.035	U
2-Methylphenol	2.31	0.010	U	ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	12.57	0.052		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	15.00	0.062		15.78	0.076		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	2296.60	9.541	D	567.38	2.738	D	516.42	2.268	D
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	204.63	0.850	E	64.73	0.312		69.42	0.305	
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	1.55	0.006	U	3.10	0.015	U	3.63	0.016	U

D - Dilution
 ND - Not Detected
 U - Under Detection Limit
 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	29276 D2			29404 D1			29405 D2
File I.D.	ENG3514			ENG3511			ENG3512
Date Sampled	08/19/02			08/24/02			08/24/02
Date Analyzed	10/04/02			10/03/02			10/03/02
	Actual Vol (m ³)	240.7		Actual Vol (m ³)	207.2		Actual Vol (m ³) 227.7

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	86.05	0.358		6.95	0.034		7.98	0.035	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	73.32	0.305		7.44	0.036		8.37	0.037	
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	2.18	0.009	U	2.64	0.013	U	3.61	0.016	U
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	57.22	0.238		6.13	0.030		7.57	0.033	
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallyl	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	82.72	0.344		15.19	0.073		15.52	0.068	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	7.86	0.033		0.71	0.003	U	0.76	0.003	U
Carbazole	4.34	0.018	U	0.83	0.004	U	0.90	0.004	U
Di-n-butyl phthalate	39.50	0.164		28.31	0.137		3.55	0.016	U
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	21.43	0.089		4.53	0.022		5.22	0.023	
Pyrene	11.62	0.048		2.55	0.012	U	4.91	0.022	U
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	2.78	0.012	U	4.82	0.023	U	635.06	2.789	
Benzo(a)anthracene	0.80	0.003	U	ND	ND		ND	ND	
Chrysene	1.46	0.006	U	0.39	0.002	U	ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	0.82	0.003	U	ND	ND		ND	ND	
Benzo(k)fluoranthene	0.73	0.003	U	ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
 ND - Not Detected
 U - Under Detection Limit
 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	29603 D1	29604 D2	29683 D1
File I.D.	ENG3517	VOID	ENG3518
Date Sampled	08/30/02	08/30/02	09/05/02
Date Analyzed	10/04/02	VOID	10/04/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m3)
	203.9		227.2

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
N-Nitrosodimethylamine	ND	ND			ND	ND
Pyridine	ND	ND			ND	ND
Ethyl methanesulfonate	ND	ND			ND	ND
2-Picoline	ND	ND			ND	ND
N-Nitrosomethylethylamine	ND	ND			ND	ND
Methyl methanesulfonate	ND	ND			ND	ND
N-Nitrosodiethylamine	ND	ND			ND	ND
Phenol	34.02	0.167			4.00	0.018
Pentachloroethane	ND	ND			ND	ND
bis (2-Chloroethyl)ether	ND	ND			ND	ND
Aniline	ND	ND			ND	ND
2-Chlorophenol	ND	ND			ND	ND
1,3-Dichlorobenzene	ND	ND			ND	ND
1,4-Dichlorobenzene	41.19	0.202			21.72	0.096
Benzyl alcohol	6.73	0.033	U		ND	ND
2-Methylphenol	ND	ND			ND	ND
1,2-Dichlorobenzene	ND	ND			ND	ND
bis(2-Chloroisopropyl)ether	ND	ND			ND	ND
3&4-Methylphenol	ND	ND			ND	ND
N-Nitrosopyrrolidine	ND	ND			ND	ND
N-Nitrosodipropylamine	ND	ND			ND	ND
o-Toluidine	ND	ND			ND	ND
Hexachloroethane	ND	ND			ND	ND
Acetophenone	ND	ND			11.10	0.049
Nitrobenzene	ND	ND			ND	ND
N-Nitrosopiperidine	ND	ND			ND	ND
Isophorone	ND	ND			ND	ND
2-Nitrophenol	ND	ND			ND	ND
2,4-Dimethylphenol	ND	ND			ND	ND
bis(2-Chloroethoxy)methane	ND	ND			ND	ND
2,4-Dichlorophenol	ND	ND			ND	ND
4-Chloroaniline	ND	ND			ND	ND
1,2,4-Trichlorobenzene	ND	ND			ND	ND
Naphthalene	329.41	1.616	D		81.36	0.358
2,6-Dichlorophenol	ND	ND			ND	ND
Hexachloropropene	ND	ND			ND	ND
Hexachlorobutadiene	ND	ND			ND	ND
N-Nitrosodibutylamine	ND	ND			ND	ND
4-Chloro-3-methylphenol	ND	ND			ND	ND
Safrole	ND	ND			ND	ND
2-Methylnaphthalene	79.71	0.391			29.23	0.129
1,2,4,5-Tetrachlorobenzene	ND	ND			ND	ND
2,4,6-Trichlorophenol	ND	ND			ND	ND
Hexachlorocyclopentadiene	ND	ND			ND	ND
2,4,5-Trichlorophenol	ND	ND			ND	ND
2-Nitroaniline	ND	ND			ND	ND
Isosafrole	ND	ND			ND	ND
2-Chloronaphthalene	ND	ND			ND	ND
1,4-Naphthoquinone	ND	ND			ND	ND
Dimethyl phthalate	ND	ND			ND	ND
1,3-Dinitrobenzene	ND	ND			ND	ND
2,6-Dinitrotoluene	ND	ND			ND	ND
3-Nitroaniline	ND	ND			ND	ND
Acenaphthylene	1.11	0.005	U		ND	ND

D - Dilution
 ND - Not Detected
 U - Under Detection Limit
 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	29603 D1	29604 D2	29683 D1
File I.D.	ENG3517	VOID	ENG3518
Date Sampled	08/30/02	08/30/02	09/05/02
Date Analyzed	10/04/02	VOID	10/04/02
	Actual Vol (m ³)	Actual Vol (m ³)	Actual Vol (m ³)
	203.9		227.2

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>
2,4-Dinitrophenol	ND	ND			ND	ND
4-Nitrophenol	ND	ND			ND	ND
Acenaphthene	14.75	0.072			3.56	0.016 U
2,4-Dinitrotoluene	ND	ND			ND	ND
2-Naphthylamine	ND	ND			ND	ND
Dibenzofuran	15.57	0.076			4.51	0.020
Pentachlorobenzene	ND	ND			ND	ND
1-Naphthylamine	ND	ND			ND	ND
Diethyl phthalate	2.25	0.011 U			1.56	0.007 U
2,3,4,6-Tetrachlorophenol	ND	ND			ND	ND
4-Nitroaniline	ND	ND			ND	ND
4-Chlorophenyl-phenyl ether	ND	ND			ND	ND
Fluorene	12.04	0.059			3.99	0.018 U
5-Nitro-o-toluidine	ND	ND			ND	ND
4,6-Dinitro-2-methylphenol	ND	ND			ND	ND
Diphenylamine	ND	ND			ND	ND
Azobenzene	ND	ND			ND	ND
Phenacetin	ND	ND			ND	ND
Diallyl	ND	ND			ND	ND
4-Bromophenyl phenyl ether	ND	ND			ND	ND
4-Aminobiphenyl	ND	ND			ND	ND
Hexachlorobenzene	ND	ND			ND	ND
Pronamide	ND	ND			ND	ND
Pentachlorophenol	ND	ND			ND	ND
Pentachloronitrobenzene	ND	ND			ND	ND
Phenanthrene	29.74	0.146			10.79	0.048
Dinoseb	ND	ND			ND	ND
Anthracene	0.89	0.004 U			0.17	0.001 U
Carbazole	1.63	0.008 U			ND	ND
Di-n-butyl phthalate	29.51	0.145			24.85	0.109
Benzidine	ND	ND			ND	ND
Isodrin	ND	ND			ND	ND
Fluoranthene	8.40	0.041			3.47	0.015 U
Pyrene	5.01	0.025 U			1.83	0.008 U
4-Dimethylaminoazobenzene	ND	ND			ND	ND
Chlorobenzilate	ND	ND			ND	ND
3,3'-Dimethylbenzidine	ND	ND			ND	ND
Butyl benzyl phthalate	ND	ND			ND	ND
2-Acetylaminofluorene	ND	ND			ND	ND
3-Methylcholanthrene	ND	ND			ND	ND
3,3'-Dichlorobenzidine	ND	ND			ND	ND
bis(2-Ethylhexyl)phthalate	3.08	0.015 U			2.23	0.010 U
Benzo(a)anthracene	0.38	0.002 U			ND	ND
Chrysene	0.75	0.004 U			ND	ND
Di-n-octyl phthalate	ND	ND			ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND			ND	ND
Benzo(b)fluoranthene	0.41	0.002 U			ND	ND
Benzo(k)fluoranthene	0.43	0.002 U			ND	ND
Benzo(a)pyrene	ND	ND			ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND			ND	ND
Dibenz(a,h)anthracene	ND	ND			ND	ND
Benzo(g,h,i)perylene	ND	ND			ND	ND

D - Dilution
 ND - Not Detected
 U - Under Detection Limit
 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	29684 D2		29775 D1		29776 D2	
File I.D.	ENG3519		ENG3520		ENG3521	
Date Sampled	09/05/02		09/11/02		09/11/02	
Date Analyzed	10/04/02		10/04/02		10/04/02	
	Actual Vol (m3)	210.5	Actual Vol (m3)	223.6	Actual Vol (m3)	205.9

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
N-Nitrosodimethylamine	ND	ND	ND	ND		ND	ND	
Pyridine	ND	ND	ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND	ND	ND		ND	ND	
2-Picoline	ND	ND	ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND	ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND	ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND	ND	ND		ND	ND	
Phenol	ND	ND	6.79	0.030	U	5.87	0.029	U
Pentachloroethane	ND	ND	ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND	ND	ND		ND	ND	
Aniline	ND	ND	ND	ND		ND	ND	
2-Chlorophenol	ND	ND	ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND	ND	ND		ND	ND	
1,4-Dichlorobenzene	22.71	0.108	10.89	0.049		10.01	0.049	
Benzyl alcohol	ND	ND	2.88	0.013	U	2.84	0.014	U
2-Methylphenol	ND	ND	ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND	ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND		ND	ND	
3&4-Methylphenol	ND	ND	ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND	ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND	ND	ND		ND	ND	
o-Toluidine	ND	ND	ND	ND		ND	ND	
Hexachloroethane	ND	ND	ND	ND		ND	ND	
Acetophenone	ND	ND	6.72	0.030	U	7.26	0.035	
Nitrobenzene	ND	ND	ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND	ND	ND		ND	ND	
Isophorone	ND	ND	ND	ND		ND	ND	
2-Nitrophenol	ND	ND	ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND	ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND	ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND	ND	ND		ND	ND	
4-Chloroaniline	ND	ND	ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND	ND	ND		ND	ND	
Naphthalene	79.40	0.377	66.73	0.298		55.92	0.272	
2,6-Dichlorophenol	ND	ND	ND	ND		ND	ND	
Hexachloropropene	ND	ND	ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND	ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND	ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND	ND	ND		ND	ND	
Safrole	ND	ND	ND	ND		ND	ND	
2-Methylnaphthalene	25.21	0.120	25.13	0.112		23.34	0.113	
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND	ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND	ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND	ND	ND		ND	ND	
2-Nitroaniline	ND	ND	ND	ND		ND	ND	
Isosafrole	ND	ND	ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND	ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND	ND	ND		ND	ND	
Dimethyl phthalate	ND	ND	ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND	ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND	ND	ND		ND	ND	
3-Nitroaniline	ND	ND	ND	ND		ND	ND	
Acenaphthylene	ND	ND	ND	ND		ND	ND	

D - Dilution
 ND - Not Detected
 U - Under Detection Limit
 E - Estimated Value

SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

2002 Final Data Report

Sample I.D.	29684 D2		29775 D1		29776 D2	
File I.D.	ENG3519		ENG3520		ENG3521	
Date Sampled	09/05/02		09/11/02		09/11/02	
Date Analyzed	10/04/02		10/04/02		10/04/02	
	Actual Vol (m3)	210.5	Actual Vol (m3)	223.6	Actual Vol (m3)	205.9

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>		<u>Final Conc (µg)</u>	<u>Final µg/m³</u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	3.91	0.019	U	4.54	0.020	U	4.20	0.020	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	4.70	0.022		4.12	0.018		3.61	0.018	
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	1.65	0.008	U	1.41	0.006	U	1.24	0.006	U
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	4.43	0.021		3.53	0.016	U	3.42	0.017	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallyl	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	12.89	0.061		8.97	0.040		7.94	0.039	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	0.12	0.001	U	0.32	0.001	U	0.28	0.001	U
Carbazole	0.68	0.003	U	ND	ND		ND	ND	
Di-n-butyl phthalate	2.22	0.011	U	20.34	0.091		1.41	0.007	U
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	4.00	0.019		2.52	0.011	U	2.54	0.012	U
Pyrene	1.86	0.009	U	1.25	0.006	U	1.42	0.007	U
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	2.12	0.010	U	2.33	0.010	U	1.68	0.008	U
Benzo(a)anthracene	0.50	0.002	U	ND	ND		ND	ND	
Chrysene	0.38	0.002	U	ND	ND		0.47	0.002	U
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution
 ND - Not Detected
 U - Under Detection Limit
 E - Estimated Value

Appendix M

2002 Metals Raw Monitoring Data

Denver, CO (DECO) 2002 Metals Final Data Report

Site ERG Filter ID Date	MDL	DECO 31153 5/8/2002	DECO 31154 5/14/2002	DECO 31155 5/20/2002	DECO 31157 6/1/2002	DECO 31158 6/7/2002	DECO 31159 6/13/2002	DECO 31160 6/19/2002	DECO 31161 6/25/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	2098	4551	3166	3317	3001	2056	3593	2741
Arsenic	20	183	165	154	161	174	149	212	196
Beryllium	5	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	50	319	723	395	330	405	357	954	540
Cobalt	10	1981	2178	2119	1461	2016	1184	1994	1762
Chromium	100	9929	14759	9543	7146	9968	6748	14381	12789
Lead	100	21709	26004	66452	18368	19361	33293	25011	20685
Manganese	100	91408	92432	89517	88098	97318	111502	186598	130966
Mercury	0.5	55.2	98.5	48.9	52.0	49.6	45.7	86.7	82.7
Nickel	100	4005	5081	5242	4129	4459	3467	5436	5004
Selenium	25	1147	1975	2429	1935	1317	1524	1515	1322

ND = Not Detected

U = Under the Detection Limit

Denver, CO (DECO) 2002 Metals Final Data Report

Site ERG Filter ID Date	MDL	DECO 31177 7/1/2002	DECO 31178 7/7/2002	DECO 31179 7/13/2002	DECO 31180 7/19/2002	DECO 31181 7/25/2002	DECO 31182 7/31/2002	DECO 31183 8/6/2002	DECO 31184 8/12/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	4747	1522	4788	3163	2905	3653	2830	1978
Arsenic	20	165	56	134	165	210	134	91.6	190
Beryllium	5	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	50	912	125	381	350	1232	758	479	642
Cobalt	10	1539	471	1173	1418	2236	1356	1147	1858
Chromium	100	8526	5298	7584	7919	11048	7154	10142	8889
Lead	100	18337	7888	24160	23987	34845	16879	12710	32450
Manganese	100	126632	28336	74600	91329	117648	82425	55641	102755
Mercury	0.5	113	44.9	82.7	75.6	87.5	77.2	66.2	99.3
Nickel	100	4549	2042	3814	4180	5443	3946	3612	4431
Selenium	25	1652	2204	2087	1553	2082	1521	1622	1180

ND = Not Detected

U = Under the Detection Limit

Denver, CO (DECO) 2002 Metals Final Data Report

Site ERG Filter ID Date	MDL	DECO 31185 8/18/2002	DECO 31186 8/24/2002	DECO 31187 8/30/2002	DECO 31188 9/5/2002	DECO 31189 9/11/2002	DECO 31190 9/17/2002	DECO 31191 9/23/2002	DECO 31192 9/29/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	3592	2786	5197	5641	3399	4412	4927	3156
Arsenic	20	212	132	141	140	117	154	176	135
Beryllium	5	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	50	392	277	380	514	850	388	308	261
Cobalt	10	1592	1107	1648	1890	2482	2749	1675	791
Chromium	100	8030	6796	9306	7871	7975	7878	7951	6845
Lead	100	27533	19109	23151	18408	91802	21969	25051	13522
Manganese	100	145465	67571	82346	163825	77279	98106	99524	51795
Mercury	0.5	93.0	70.9	101	109	64.6	109	96.9	59.1
Nickel	100	4806	4000	4470	4317	3939	5208	4661	3297
Selenium	25	1944	2661	2121	2362	4547	1271	1475	1709

ND = Not Detected

U = Under the Detection Limit

Grand Junction, CO (G2CO) 2002 Metals Final Data Report

Site ERG Filter ID Date		G2CO 27586 1/2/2002	G2CO 27587 D1 1/8/2002	G2CO 27588 D2 1/8/2002	G2CO 27589 1/14/2002	G2CO 27590 D1 1/20/2002	G2CO 27591 D2 1/20/2002	G2CO 27592 1/26/2002	G2CO 27593 D1 2/1/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	1370	1625	1660	929	615	526	1117	429
Arsenic	20	3959	4489	4853	5053	2584	3196.9	3237	2154
Beryllium	5	134	133	141	174	45.6	45.7	63.6	26.8
Cadmium	50	2081	1542	1573	2170	656	813	979	549
Cobalt	10	1451	1702	1635	1892	604	576	927	375
Chromium	100	7262	8747	8676	7556	5868	4825	5875	4003
Lead	100	8195	20417	22805	15516	12419	12576	17643	3927
Manganese	100	104016	122061	124504	115048	41386	41874	56318	25358
Mercury	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	100	11245	12064	14436	10094	4759	4343	4797	2816
Selenium	25	2175	1934	1744	867	1049	896	1126	1136

ND = Not Detected

U = Under the Detection Limit

Grand Junction, CO (G2CO) 2002 Metals Final Data Report

Site ERG Filter ID Date		G2CO 27594 D2 2/1/2002	G2CO 27595 2/7/2002	G2CO 27596 D1 2/13/2002	G2CO 27597 D2 2/13/2002	G2CO 27598 2/19/2002	G2CO 27599 D1 2/25/2002	G2CO 27600 D2 2/25/2002	G2CO 27601 3/3/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	424	1615	1281	1261	757	1539	1463	336
Arsenic	20	2310	8101	4821	5269	2697	3675	4258	1905
Beryllium	5	32.2	169	198	182	62.6	110	129	26.1
Cadmium	50	574	1329	1385	1381	1789	2165	2180	431
Cobalt	10	414	1911	1933	1781	840	1178	1294	355
Chromium	100	4117	9227	8589	8235	6674	6984	7676	4113
Lead	100	3714	27336	21575	21331	16840	23774	24633	6037
Manganese	100	26831	117806	116545	119224	60597	77295	89832	22899
Mercury	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	100	2994	11615	8203	8306	7317	5323	5889	2855
Selenium	25	1373	ND	21.9 U	641	1150	435	1194	927

ND = Not Detected

U = Under the Detection Limit

Grand Junction, CO (G2CO) 2002 Metals Final Data Report

Site ERG Filter ID Date		G2CO 27602 D1 3/9/2002	G2CO 27603 D2 3/9/2002	G2CO 27604 3/15/2002	G2CO 27605 D1 3/21/2002	G2CO 27606 D2 3/21/2002	G2CO 27607 3/27/2002	G2CO 27618 D1 4/2/2002	G2CO 27619 D2 4/2/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	VOID	(ng/filter)
Antimony	10	488	869	751	381	347	983	1257	1356
Arsenic	20	2433.3	2574.4	3332	3303	3474	4065	3976	4361
Beryllium	5	54.9	53.6	139	66.6	64.7	116	142	135
Cadmium	50	523	637	717	798	898	1812	1855	2021
Cobalt	10	598	581	1140	659	667	1191	1516	1397
Chromium	100	4749	5046	10197	8865	8920	6987	21568	22710
Lead	100	9661	9338	11166	9188	9409	32048	37792	40968
Manganese	100	37091	40259	85498	82661	88414	82267	97791	99918
Mercury	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	100	3451	4157	5852	8897	9488	8684	13987	13822
Selenium	25	1589	1429	1380	1919	1778	1501	1307	1662

ND = Not Detected

U = Under the Detection Limit

Grand Junction, CO (G2CO) 2002 Metals Final Data Report

Site ERG Filter ID Date		G2CO 27620 4/8/2002	G2CO 27621 D1 4/14/2002	G2CO 27622 D2 4/14/2002	G2CO 27623 4/20/2002	G2CO 27626 FB 4/24/2002	G2CO 27624 D1 4/26/2002	G2CO 27625 D2 4/26/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	792	413	391	430	14.9	602	674
Arsenic	20	4548	2772	3215	3039	378	3626	3318
Beryllium	5	132	67.1	57.4	97.3	ND	155	178
Cadmium	50	992	560	614	1026	ND	942	1007
Cobalt	10	1300	623	580	841	38.2	1481	1474
Chromium	100	8432	4975	4404	6158	2519	9259	9212
Lead	100	16832	8463	5678	11670	ND	11095	11859
Manganese	100	86050	40023	38250	60124	696	101967	99130
Mercury	0.5	ND	ND	ND	ND	ND	ND	ND
Nickel	100	11268	3695	4000	4882	1411	11174	11394
Selenium	25	1057	4861	5438	1593	397	2340	2615

ND = Not Detected

U = Under the Detection Limit

Grand Junction, CO (GJCO) 2002 Metals Final Data Report

Site ERG Filter ID Date	MDL	GJCO 27571 1/2/2002	GJCO 27572 1/8/2002	GJCO 27608 FB 1/11/2002	GJCO 27573 1/14/2002	GJCO 27574 1/20/2002	GJCO 27575 1/26/2002	GJCO 27609 FB 1/26/2002	GJCO 27576 2/1/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	1704	2242	175	1333	1053	1796	18.4	1927
Arsenic	20	1895	2045	ND	3023	1823	1884	91.0	2627
Beryllium	5	25.3	33.9	ND	53.3	16.0	26.8	ND	36.5
Cadmium	50	293	641	ND	946	520	591	53.5	427
Cobalt	10	457	710	37.2	680	291	384	40.1	531
Chromium	100	3384	4407	2577	6639	4171	4436	2604	4398
Lead	100	4559	9432	ND	10622	5488	17312	ND	6796
Manganese	100	13963	24467	496	32198	14736	22048	437	21568
Mercury	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	100	2162	3217	1411	4892	2667	2980	1632	2957
Selenium	25	484	2740	205	251	1025	1251	346	451

ND = Not Detected

U = Under the Detection Limit

Grand Junction, CO (GJCO) 2002 Metals Final Data Report

Site ERG Filter ID Date		GJCO 27577 2/7/2002	GJCO 27610 FB 2/7/2002	GJCO 27578 2/13/2002	GJCO 27579 2/19/2002	GJCO 27580 2/25/2002	GJCO 27581 3/3/2002	GJCO 27582 3/9/2002	GJCO 27611 FB 3/9/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	2618	19.0	2274	2038	630	1078	1059	42.6
Arsenic	20	2278	ND	2163	3009	1650	1667	1872	357
Beryllium	5	56.9	ND	63.5	53.7	16.3	40.6	32.0	ND
Cadmium	50	547	ND	625	624	403	446	442	ND
Cobalt	10	676	59.5	719	683	315	534	435	45.8
Chromium	100	4824	2391	5053	5536	3714	5581	3953	2541
Lead	100	14688	ND	8904	11308	5366	3920	5317	ND
Manganese	100	33726	419	37997	35499	14452	26540	19527	508
Mercury	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	100	3408	2037	3506	4057	2581	2929	2600	1712
Selenium	25	371	421	276	3091	816	263	1538	210

ND = Not Detected

U = Under the Detection Limit

Grand Junction, CO (GJCO) 2002 Metals Final Data Report

Site ERG Filter ID Date		GJCO 27583 3/15/2002	GJCO 27584 3/21/2002	GJCO 27612 FB 3/21/2002	GJCO 27585 3/27/2002	GJCO 27613 4/2/2002	GJCO 27614 4/8/2002	GJCO 27615 4/14/2002	GJCO 27616 4/20/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	VOID	(ng/filter)
Antimony	10	1333	38974	16.0	31882	1049	702	734	653
Arsenic	20	2313	1781	316	2808	2931	2415	1980	1928
Beryllium	5	51.8	1595	ND	1847	98.7	46.4	54.1	95.4
Cadmium	50	473	560	ND	694	701	425	563	533
Cobalt	10	637	16390	29.7	18368	860	528	543	844
Chromium	100	4712	4915	3747	5295	5255	4382	4146	4706
Lead	100	5867	6657	ND	8416	9495	6447	5642	9897
Manganese	100	29290	28321	350	40826	52670	28660	32757	54128
Mercury	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	100	3218	3662	1857	3823	4340	3275	3346	3795
Selenium	25	1694	1277	592	1087	1656	448	3699	1308

ND = Not Detected

U = Under the Detection Limit

Grand Junction, CO (GJCO) 2002 Metals Final Data Report

Site		GJCO
ERG Filter ID		27617
Date	MDL	4/26/2002
Units	(ng/filter)	(ng/filter)
Antimony	10	657
Arsenic	20	1901
Beryllium	5	81.0
Cadmium	50	458
Cobalt	10	670
Chromium	100	5298
Lead	100	5258
Manganese	100	45066
Mercury	0.5	ND
Nickel	100	3495
Selenium	25	2057

ND = Not Detected

U = Under the Detection Limit

Denver, CO (SWCO) 2002 Metals Final Data Report

Site ERG Filter ID Date		SWCO 31216 7/1/2002	SWCO 31217 7/7/2002	SWCO 31218 7/13/2002	SWCO 31219 7/19/2002	SWCO 31220 7/25/2002	SWCO 31221 7/31/2002	SWCO 31222 8/6/2002	SWCO 31223 8/12/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	2724	1128	6198	2071	1764	3981	3212	1049
Arsenic	20	187	62	141	167	239	204.3	146	245
Beryllium	5	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	50	659	ND	417	485	782	749	962	ND
Cobalt	10	1666	485	1023	1176	1911	1668	1362	1085
Chromium	100	7070	4331	6234	6473	7514	8550	7505	5994
Lead	100	26910	22434	23900	56791	24121	97239	25460	23955
Manganese	100	159018	30716	78564	92984	131360	129074	87074	82819
Mercury	0.5	98.5	34.7	51.2	56.7	87.5	94.6	80.4	82.0
Nickel	100	4626	2106	3289	4224	4893	5284	4429	3349
Selenium	25	2061	2570	2418	1794	1914	2628	2906	1285

ND = Not Detected

U = Under the Detection Limit

Denver, CO (SWCO) 2002 Metals Final Data Report

Site ERG Filter ID Date	MDL	SWCO 31224 8/18/2002	SWCO 31225 8/24/2002	SWCO 31226 8/30/2002	SWCO 31227 9/5/2002	SWCO 31228 9/11/2002	SWCO 31229 9/17/2002	SWCO 31230 9/23/2002	SWCO 31231 9/29/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	2991	1192	4447	4290	1168	2243	2966	3139
Arsenic	20	289	154	133	155	123	166	192	114
Beryllium	5	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	50	772	794	550	601	478	832	860	472
Cobalt	10	2047	1087	1533	1277	1113	1386	1489	913
Chromium	100	7499	5626	8715	8274	5648	7376	7855	6592
Lead	100	60069	28076	18691	18400	153975	41000	52276	113708
Manganese	100	202201	81322	95900	120012	75207	107877	118200	71992
Mercury	0.5	87.5	64.6	81.2	63.8	51.2	68.6	2.21	2.13
Nickel	100	6443	3569	5146	4747	3760	4927	5078	3598
Selenium	25	2320	3572	2451	1748	4924	1414	1782	1785

ND = Not Detected

U = Under the Detection Limit

Denver, CO (SWCO) 2002 Metals Final Data Report

Site		SWCO	TB	SWCO	TB
ERG Filter ID		31232		31233	
Date	MDL	9/29/2002		9/29/2002	
Units	(ng/filter)	(ng/filter)		(ng/filter)	
Antimony	10	ND		ND	
Arsenic	20	ND		ND	
Beryllium	5	ND		ND	
Cadmium	50	ND		ND	
Cobalt	10	ND		ND	
Chromium	100	2548		2673	
Lead	100	ND0		ND0	
Manganese	100	ND		ND	
Mercury	0.5	ND		ND	
Nickel	100	ND		ND	
Selenium	25	ND		ND	

ND = Not Detected

U = Under the Detection Limit

Detroit, MI (South West HS - SWMI) 2001-2002 Metals Final Data Report

Site ERG Filter ID Date	MDL	SWMI 28509 5/7/2001	SWMI 28510 5/19/2001	SWMI 28495 6/6/2001	SWMI 28511 6/12/2001	SWMI 28496 6/24/2001	SWMI 28512 7/6/2001	SWMI 28497 7/18/2001	SWMI 28513 7/30/2001
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	1221	4026	2873	2244	2487	2259	1359	3438
Arsenic	20	2031	1995	1626	1563	3788	2356.0	1636	1671
Beryllium	25	80.2	52.7	81.1	90.6	74.0	68.8	61.2	54.5
Cadmium	50	736	598	991	1136	661	627	735	2348
Chromium	100	6637	21828	29423	8233	5997	6941	8267	5586
Cobalt	10	704	324	1076	676	323	393	616	359
Lead	100	22902	62063	70109	37337	18570	28807	25107	29028
Manganese	100	131373	219852	527503	168979	83319	142163	92714	65865
Mercury	0.02	ND	0.03	0.06	ND	0.08	ND	0.11	ND
Nickel	100	2931	3011	10268	3203	2118	2184	5047	4438
Selenium	25	1647	580	673	327	499	1461	1426	1847

ND = Not Detected

U = Under the Detection Limit

Detroit, MI (South West HS - SWMI) 2001-2002 Metals Final Data Report

Site ERG Filter ID Date	MDL	SWMI 28498 9/4/2001	SWMI 28514 9/16/2001	SWMI 28499 9/28/2001	SWMI 28515 10/10/2001	SWMI 28500 10/22/2001	SWMI 29516 11/3/2001	SWMI 28501 11/15/2001	SWMI 28517 11/27/2001
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	1904	3575	1831	1168	208	3369	3006	1828
Arsenic	20	855	5814	1014	1826	130	2797	1406	1492
Beryllium	25	60.6	51.1	74.9	66.2	ND	65.9	53.1	50.1
Cadmium	50	330	606	338	762	ND	836	1191	818
Chromium	100	6368	4571	9705	6623	6760	9663	4174	3806
Cobalt	10	347	290	286	279	68	370	260	217
Lead	100	11779	15261	25313	25989	15822	22163	9200	10324
Manganese	100	70139	51706	125758	145798	66694	105128	42600	51217
Mercury	0.02	0.14	0.16	0.08	ND	0.08	0.10	0.08	0.11
Nickel	100	2349	3708	2005	2112	1413	3197	1868	2413
Selenium	25	127	615	57.3	2631	15.0 U	451	1522	2384

ND = Not Detected

U = Under the Detection Limit

Detroit, MI (South West HS - SWMI) 2001-2002 Metals Final Data Report

Site ERG Filter ID Date	MDL	SWMI 28502 12/9/2001	SWMI 28518 12/21/2001	SWMI 28503 1/2/2002	SWMI 28519 1/14/2002	SWMI 28504 1/26/2002	SWMI 28520 2/7/2002	SWMI 28505 2/19/2002	SWMI 28506 3/15/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	883	4979	2622	3065	1169	2344	1790	2005
Arsenic	20	957.0	1096.0	1041	1512	1554	970	1475	1481
Beryllium	25	38.9	81.6	95.9	54.8	58.1	61.8	72.2	67.2
Cadmium	50	213	569	718	719	2191	749	428	1066
Chromium	100	2677	9447	7766	4737	4316	3846	3429	12495
Cobalt	10	92	369	190	176	248	202	160	441
Lead	100	3291	22404	29712	15904	12703	7626	9554	31401
Manganese	100	17052	154747	181131	49307	52827	63941	71020	213903
Mercury	0.02	0.14	0.18	0.20	0.16	0.17	0.14	0.18	0.21
Nickel	100	1065	2578	1660	2493	1295	1673	1197	3478
Selenium	25	602	ND	122	2265	1262	458	2765	1032

ND = Not Detected

U = Under the Detection Limit

Detroit, MI (South West HS - SWMI) 2001-2002 Metals Final Data Report

Site ERG Filter ID Date	MDL	SWMI 28507 4/8/2002	SWMI 28508 4/14/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	1492	1702
Arsenic	20	2029	2522
Beryllium	25	58.1	41.4
Cadmium	50	733	1237
Chromium	100	3207	5207
Cobalt	10	154	282
Lead	100	11157	17847
Manganese	100	38794	62656
Mercury	0.02	0.10	0.12
Nickel	100	2306	3297
Selenium	25	3830	4244

ND = Not Detected

U = Under the Detection Limit

Denver, CO (WECO) 2002 Metals Final Data Report

Site ERG Filter ID Date		WECO D1 31162 5/8/2002	WECO D2 31163 5/8/2002	WECO 31164 5/14/2002	WECO D1 31165 5/20/2002	WECO D2 31166 5/20/2002	WECO 31167 5/26/2002	WECO D1 31168 6/1/2002	WECO D2 31169 6/1/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	468	388	2541	1602	1442	1235	1710	1655
Arsenic	20	171	164	181	140	157	64.1	165	190
Beryllium	5	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	50	212	420	399	359	509	1000	261	319
Chromium	10	1384	1190	1783	1099	1221	559	1251	1411
Cobalt	100	4787	4397	7683	5514	5046	4658	5560	5627
Lead	100	7703	5369	40204	40440	31591	59265	23498	21607
Manganese	100	82110	78422	114654	78170	86444	35090	89123	103228
Mercury	0.5	44.1	43.3	44.9	38.6	35.5	22.9	24.4	44.9
Nickel	100	3465	3349	6058	3777	3916	2444	3878	4224
Selenium	25	1088	1017	2202	2275	2199	1136	1804	1875

ND = Not Detected

U = Under the Detection Limit

Denver, CO (WECO) 2002 Metals Final Data Report

Site ERG Filter ID Date		WECO 31170 6/7/2002	WECO D1 31171 6/13/2002	WECO D2 31172 6/13/2002	WECO 31173 6/19/2002	WECO D1 31174 6/25/2002	WECO D2 31175 6/25/2002	WECO TB 31176 6/25/2002	WECO 31193 7/1/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	1488	392	372	1051	1348	1276	ND	2330
Arsenic	20	168	139	146	195	217	225	ND	246
Beryllium	5	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	50	265	178	264	326	446	517	ND	580
Chromium	10	1243	923	979	1436	1568	1600	ND	18006
Cobalt	100	5771	4031	4114	5705	5708	5570	2419	6630
Lead	100	63245	5695	4922	15973	16130	14318	ND	51709
Manganese	100	93614	91960	94324	135930	133093	134984	ND	164534
Mercury	0.5	53.6	39.4	21.3	60.7	51.2	81.2	ND	134
Nickel	100	4136	2620	2965	4020	4728	4901	ND	5905
Selenium	25	1488	1546	1582	1569	1856	1721	ND	1751

ND = Not Detected

U = Under the Detection Limit

Denver, CO (WECO) 2002 Metals Final Data Report

Site ERG Filter ID Date		WECO D1 31194 7/7/2002	WECO D2 31195 7/7/2002	WECO D1 31197 7/19/2002	WECO D2 31198 7/19/2002	WECO 31199 7/25/2002	WECO D1 31200 7/31/2002	WECO D2 31201 7/31/2002	WECO 31202 8/6/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	VOID	(ng/filter)
Antimony	10	853	774	1323	1117	1299	1417		2289
Arsenic	20	61.8	60.5	190	156	366	173		149
Beryllium	5	ND	ND	ND	ND	ND	ND		ND
Cadmium	50	105	148	243	214	767	362		1009
Chromium	10	463	443	1405	1118	2647	1317		1294
Cobalt	100	3578	3559	5606	5012	7221	5437		6584
Lead	100	8747	7287	11639	8463	83843	36784		54522
Manganese	100	30890	27194	110478	87074	215360	96057		92748
Mercury	0.5	52.0	30.7	71.7	40.2	97.7	78.0		92.2
Nickel	100	1898	4849	3660	2990	6269	3432		4061
Selenium	25	1947	1920	1626	1485	2837	1346		3174

ND = Not Detected

U = Under the Detection Limit

Denver, CO (WECO) 2002 Metals Final Data Report

Site ERG Filter ID Date		WECO D1 31203 8/12/2002	WECO D2 31204 8/12/2002	WECO 31205 8/18/2002	WECO D1 31206 8/24/2002	WECO D2 31207 8/24/2002	WECO 31208 8/30/2002	WECO D1 31209 9/5/2002	WECO D2 31210 9/5/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	618	629	2628	987	913	2001	2971	2538
Arsenic	20	362	372	390	189	168	107	185	177
Beryllium	5	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	50	500	553	546	263	330	266	449	459
Chromium	10	2303	2355	2690	1217	1132	1024	1727	1701
Cobalt	100	5951	5929	7582	4848	4644	5496	7762	6668
Lead	100	18274	18258	34664	12182	11079	22560	23758	20283
Manganese	100	193533	203225	275012	98500	91566	75041	136876	132620
Mercury	0.5	138	156	125	60.7	67.8	71.7	96.9	79.6
Nickel	100	5284	5451	6530	3507	3483	3627	5076	4581
Selenium	25	1617	1647	2580	2926	2858	2914	2407	2143

ND = Not Detected

U = Under the Detection Limit

Denver, CO (WECO) 2002 Metals Final Data Report

Site ERG Filter ID Date		WECO 31211 9/11/2002	WECO D1 31212 9/17/2002	WECO D2 31213 9/17/2002	WECO 31214 9/23/2002	WECO 31215 9/29/2002
Units	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
Antimony	10	963	1283	1049	1675	1905
Arsenic	20	94.4	169	139	203	83.9
Beryllium	5	ND	ND	ND	ND	ND
Cadmium	50	ND	ND	ND	ND	ND
Chromium	10	750	1536	1085	1410	723
Cobalt	100	4079	5521	5050	6098	4414
Lead	100	7086	30338	23955	13900	32647
Manganese	100	50203	104410	82819	103543	48092
Mercury	0.5	28.4	53.6	54.4	60.7	35.5
Nickel	100	2552	4005	3349	4101	2463
Selenium	25	4899	1608	1285	1298	1853

ND = Not Detected

U = Under the Detection Limit

Appendix N

2002 Hexavalent Chromium Raw Monitoring Data

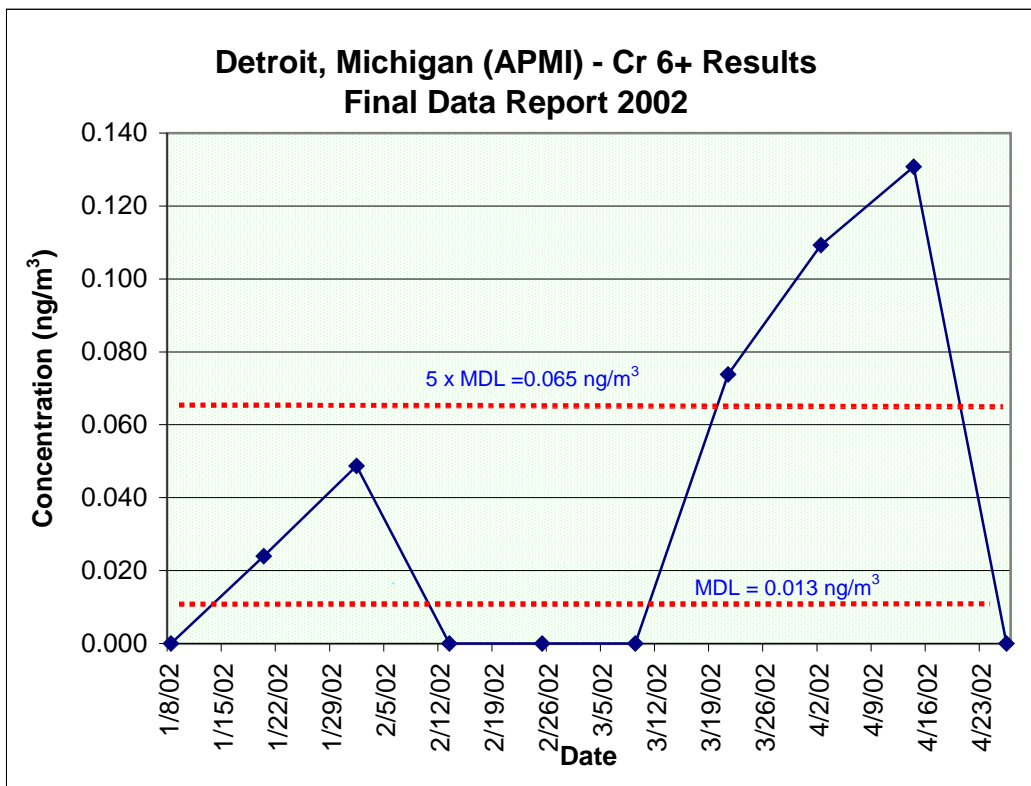
Detroit, Michigan (Allen Park - APMI)

Hexavalent Chromium Results

(Final Data Report - 2002)

ERG ID	Date	Concentration (total ng)	Concentration (ng/m ³)
25033	1/8/02	ND	ND
25273	1/20/02	0.312	0.024
25537	2/1/02	0.633	0.049
25707	2/13/02	ND	ND
26005	2/25/02	ND	ND
26246	3/9/02	ND	ND
26485	3/21/02	0.96	0.074
26563	4/2/02	1.42	0.11
26823	4/14/02	1.70	0.13
27084	4/26/02	ND	ND

* Wet filter

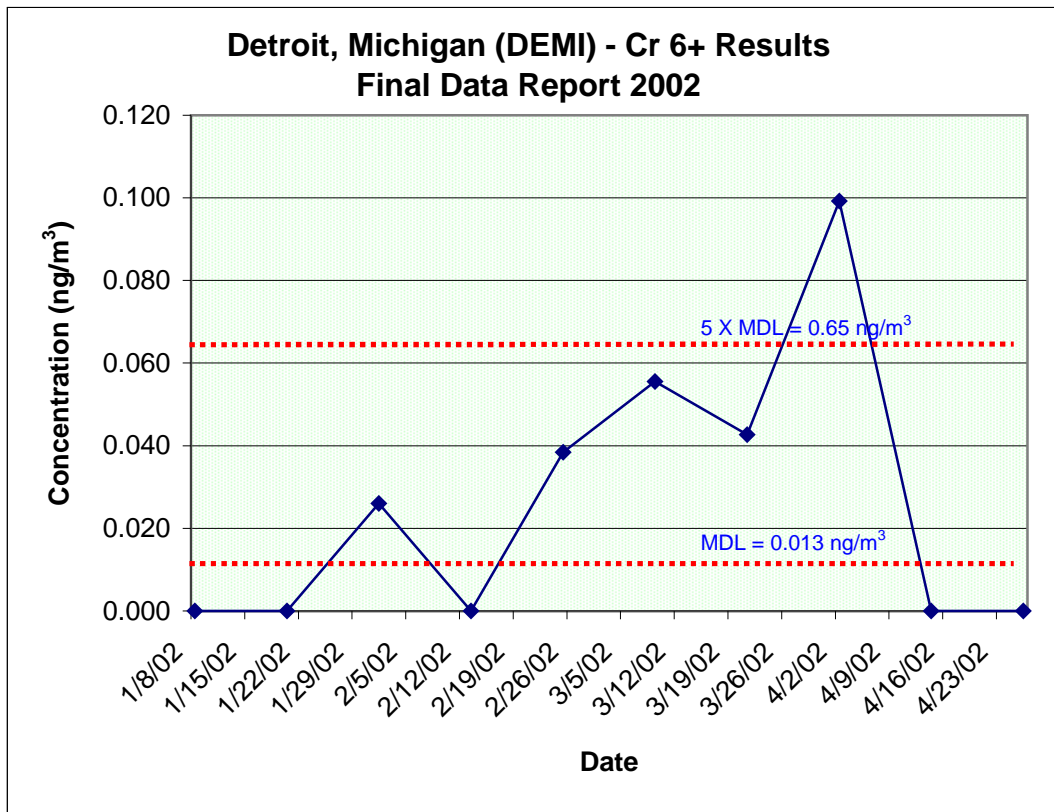


Detroit, Michigan (Dearborn - DEMI)

Hexavalent Chromium Results

(Final Data Report - 2002)

ERG ID	Date	Concentration (total ng)	Concentration (ng/m ³)
25035	1/8/02	ND	ND
25276	1/20/02	ND	ND
25536	2/1/02	0.340	0.026
25705	2/13/02	ND	ND
26002	2/25/02	0.502	0.038
26247	3/9/02	0.73	0.056
26483	3/21/02	0.56	0.043
26562	4/2/02	1.29	0.10
26824	4/14/02	ND	ND
27085	4/26/02	ND	ND
25034 Field Blank	1/8/02	ND	ND

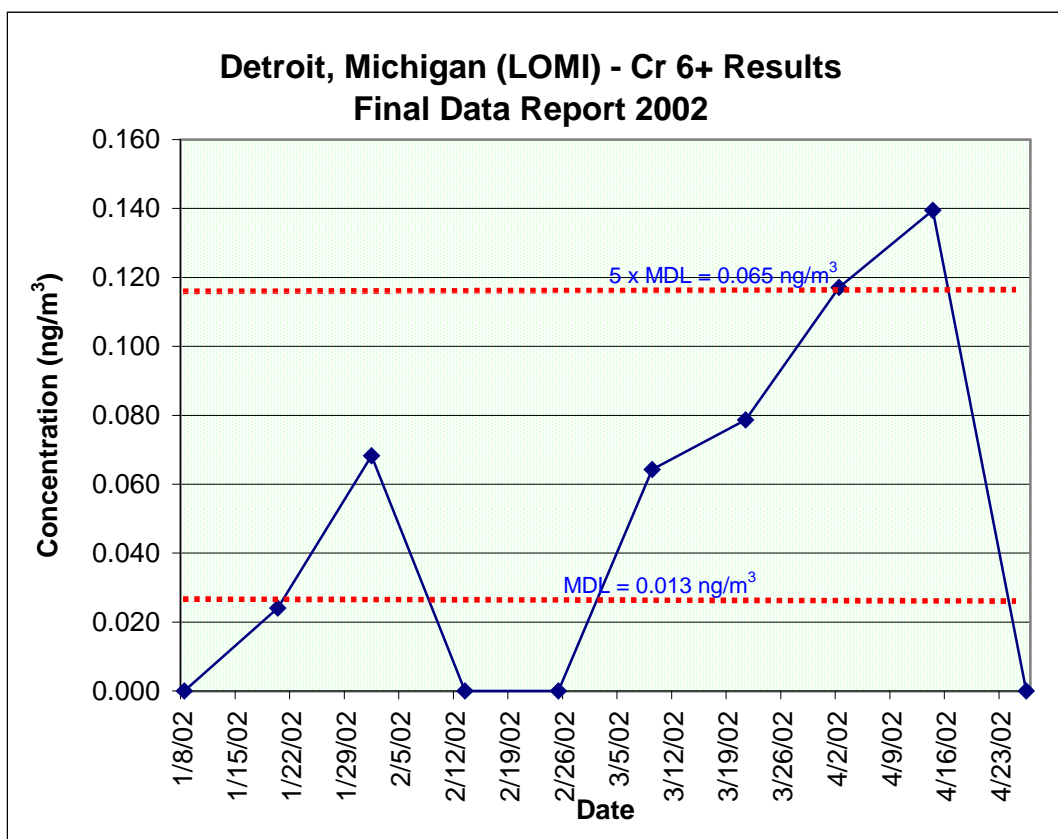


Detroit, Michigan (Lodge/696 - LOMI)

Hexavalent Chromium Results (Final Data Report - 2002)

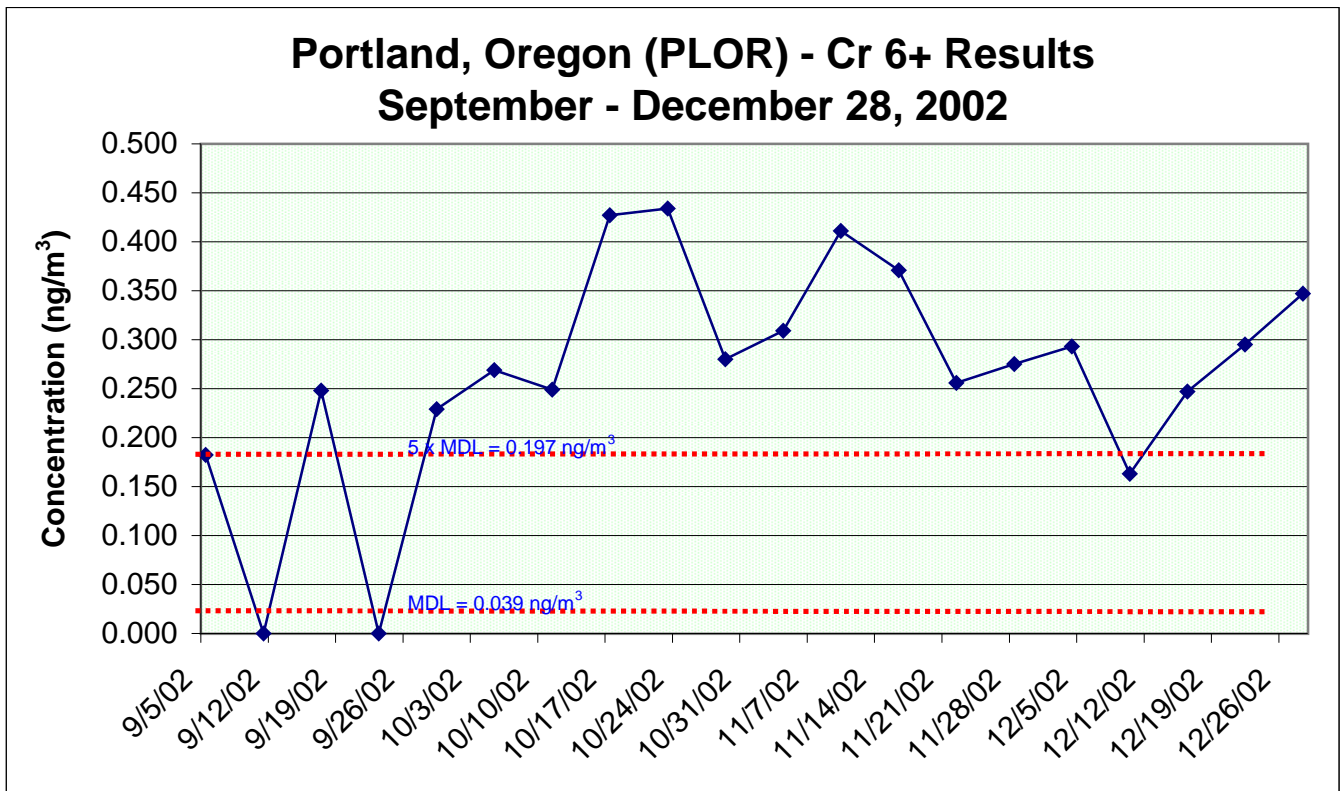
ERG ID	Date	Concentration (total ng)	Concentration (ng/m ³)
25032	1/8/02	ND	ND
25277	1/20/02	0.312	0.024
25539	2/1/02	0.886	0.068
25706	2/13/02	ND	ND
26007	2/25/02	ND	ND
26248	3/9/02	0.834	0.064
26484	3/21/02	1.021	0.079
26561	4/2/02	1.52	0.12
26825	4/14/02	1.81	0.14
27086	4/26/02	ND	ND

25708 Field Blank	2/13/02	1.013	0.078
26006 Filed Blank	2/25/02	ND	ND



**Portland, Oregon (PLOR)
Hexavalent Chromium Results
(2002 Final Data Report)**

	ERG ID	Date	Concentration (ng/m ³)
	29733	9/5/02	0.182
	29905	9/11/02	ND
	29903	9/17/02	0.248
	30071	9/23/02	ND
	30072	9/29/02	0.229
	30197	10/5/02	0.269
	30196	10/11/02	0.249
	30380	10/17/02	0.427
	30381	10/23/02	0.434
	30610	10/29/02	0.280
	30611	11/4/02	0.309
	30612	11/10/02	0.411
	31007	11/16/02	0.371
	31008	11/22/02	0.256
	31009	11/28/02	0.275
	31010	12/4/02	0.293
	31333	12/10/02	0.163
	31334	12/16/02	0.247
	31335	12/22/02	0.295
	31336	12/28/02	0.347
Field Blank	29904	9/11/02	ND
Field Blank	30609	10/29/02	0.174

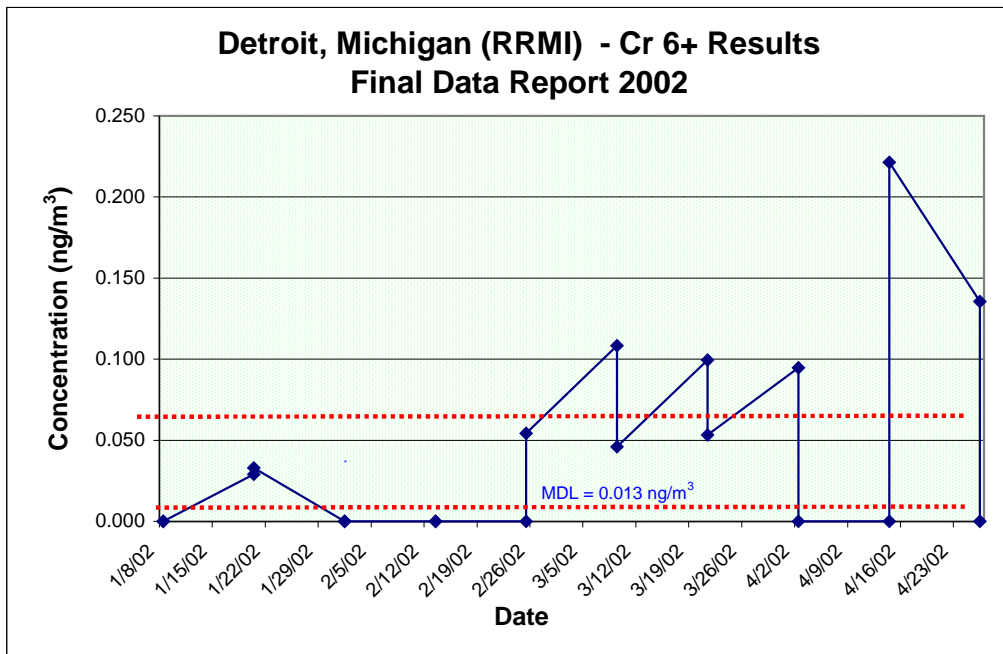


Detroit, Michigan (River Rouge - RRM1)

Hexavalent Chromium Results

(2002 Final Data Report)

Duplicate Results	ERG ID	Date	Concentration (total ng)	Concentration (ng/m ³)	% RPD
	25036 D1	1/8/02	ND	ND	
	25037 D2	1/8/02	ND	ND	NA
	25274 D1	1/20/02	0.376	0.029	
	25275 D2	1/20/02	0.428	0.033	13.92
	25534 D1	2/1/02	VOID	VOID	
	25535 D2	2/1/02	VOID	VOID	NA
	25703 D1	2/13/02	ND	ND	
	25704 D2	2/13/02	ND	ND	NA
	26003 D1	2/25/02	ND	ND	
	26004 D2	2/25/02	0.703	0.054	NA
	26249 D1	3/9/02	1.405	0.108	
	26250 D2	3/9/02	0.60	0.046	57.52
	26486 D1	3/21/02	1.29	0.100	
	26487 D2	3/21/02	0.693	0.053	46.40
	26564 D1	4/2/02	1.23	0.09	
	26565 D2	4/2/02	ND	ND	NA
	26826 D1	4/14/02	ND	ND	
	26827 D2	4/14/02	2.87	0.22	NA
	27082 D1	4/26/02	1.76	0.14	
	27083 D2	4/26/02	ND	ND	NA



Detroit, Michigan
(Yellow Freight - YFMI)
Hexavalent Chromium Results
(Final Data Report - 2002)

ERG ID	Date	Blank Corrected Concentration (total ng)
25538 Field Blank	2/1/02	1.669