

**Appendix 2-C – Analytical Results for EPA Compendium Method TO-15 at
Sites S-1 through S-5**



CERTIFICATE OF ANALYSIS

City of Fort Worth
1000 Throckmorton Street
Fort Worth, TX 76102-6311

ATTN: Brain Boerner

PHONE: na

FAX: na

FILE #: 3786.02.002.001

REPORTED: 05/24/11 11:31

SUBMITTED: 09/08/10 to 11/02/10

AQS SITE CODE:

SITE CODE: Natural Gas Air Quality Study

ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	<u>Received</u>
S1-P-09-04-10	0090802-01	Air	09/04/10 23:49	09/08/10 12:05
S4-P-09-04-10	0090802-02	Air	09/04/10 23:50	09/08/10 12:05
S1-P-09-07-10	0090906-01	Air	09/07/10 23:54	09/09/10 12:17
S2-P-09-07-10	0090906-02	Air	09/07/10 23:49	09/09/10 12:17
S4-P-09-07-10	0090906-03	Air	09/07/10 23:59	09/09/10 12:17
S4-D-09-07-10	0090906-04	Air	09/07/10 23:09	09/09/10 12:17
S5-P-09-07-10	0090906-05	Air	09/07/10 23:59	09/09/10 12:17
S5-D-09-07-10	0090906-06	Air	09/07/10 23:59	09/09/10 12:17
S1-P-09-10-10	0091501-01	Air	09/10/10 23:49	09/14/10 16:01
S4-P-09-10-10	0091501-02	Air	09/10/10 23:49	09/14/10 16:01
S5-P-09-10-10	0091501-03	Air	09/10/10 23:49	09/14/10 16:01
S1-P-09-13-10	0091614-01	Air	09/13/10 23:59	09/16/10 12:42
S2-P-09-13-10	0091614-02	Air	09/13/10 23:59	09/16/10 12:42
S4-P-09-13-10	0091614-03	Air	09/13/10 23:59	09/16/10 12:42
S5-P-09-13-10	0091614-04	Air	09/13/10 23:59	09/16/10 12:42
S1-P-09-16-10	0092120-01	Air	09/16/10 23:49	09/21/10 13:32
S1-P-09-19-10	0092120-02	Air	09/19/10 23:49	09/21/10 13:32
S2-P-09-16-10	0092120-03	Air	09/16/10 23:49	09/21/10 13:32
S2-P-09-19-10	0092120-04	Air	09/19/10 23:49	09/21/10 13:32
S3-P-09-16-10	0092120-05	Air	09/16/10 23:49	09/21/10 13:32
S3-P-09-19-10	0092120-06	Air	09/19/10 23:49	09/21/10 13:32
S4-P-09-16-10	0092120-07	Air	09/16/10 23:54	09/21/10 13:32
S4-P-09-19-10	0092120-09	Air	09/19/10 23:54	09/21/10 13:32

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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 Fort Worth, TX 76102-6311
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FILE #: 3786.02.002.001
REPORTED: 05/24/11 11:31
SUBMITTED: 09/08/10 to 11/02/10
AQS SITE CODE:

PHONE: na	FAX: na		SITE CODE:	Natural Gas Air Quality Study
S4-D-09-19-10	0092120-10	Air	09/19/10 23:54	09/21/10 13:32
S5-P-09-16-10	0092120-13	Air	09/16/10 23:54	09/21/10 13:32
S5-P-09-19-10	0092120-15	Air	09/19/10 23:54	09/21/10 13:32
S5-D-09-19-10	0092120-16	Air	09/19/10 23:54	09/21/10 13:32
S1-P-09-22-10	0092403-01	Air	09/22/10 23:59	09/24/10 10:22
S2-P-09-22-10	0092403-02	Air	09/22/10 23:59	09/24/10 10:22
S3-P-09-22-10	0092403-03	Air	09/22/10 23:59	09/24/10 10:22
S4-P-09-22-10	0092403-05	Air	09/22/10 23:59	09/24/10 10:22
S5-P-09-22-10	0092403-07	Air	09/22/10 23:59	09/24/10 10:22
S1-P-09-25-10	0092901-01	Air	09/25/10 23:49	09/28/10 16:00
S2-P-09-25-10	0092901-02	Air	09/25/10 23:49	09/28/10 16:00
S3-P-09-25-10	0092901-03	Air	09/25/10 23:49	09/28/10 16:00
S4-P-09-25-10	0092901-04	Air	09/25/10 23:49	09/28/10 16:00
S5-P-09-25-10	0092901-05	Air	09/25/10 23:49	09/28/10 16:00
S1-P-09-28-10	0093008-01	Air	09/28/10 23:49	09/30/10 14:35
S2-P-09-28-10	0093008-02	Air	09/28/10 23:49	09/30/10 14:35
S3-P-09-28-10	0093008-03	Air	09/28/10 23:49	09/30/10 14:35
S4-P-09-28-10	0093008-04	Air	09/28/10 23:49	09/30/10 14:35
S5-P-09-28-10	0093008-05	Air	09/28/10 23:49	09/30/10 14:35
S1-P-10-1-10	0100501-01	Air	10/01/10 23:59	10/05/10 13:09
S2-P-10-1-10	0100501-02	Air	10/01/10 23:59	10/05/10 13:09
S3-P-10-1-10	0100501-03	Air	10/01/10 23:59	10/05/10 13:09
S4-P-10-1-10	0100501-04	Air	10/01/10 23:59	10/05/10 13:09
S5-P-10-1-10	0100501-05	Air	10/01/10 23:59	10/05/10 13:09
S1-P-10-4-10	0100601-01	Air	10/04/10 23:59	10/06/10 10:58
S2-P-10-4-10	0100601-02	Air	10/04/10 23:59	10/06/10 10:58



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AQS SITE CODE:

PHONE: na	FAX: na		SITE CODE:	Natural Gas Air Quality Study
S3-P-10-4-10	0100601-03	Air	10/04/10 23:59	10/06/10 10:58
S4-D-10-4-10	0100601-04	Air	10/04/10 23:59	10/06/10 10:58
S4-P-10-4-10	0100601-05	Air	10/04/10 23:59	10/06/10 10:58
S5-P-10-4-10	0100601-06	Air	10/04/10 23:59	10/06/10 10:58
S5-D-10-4-10	0100601-07	Air	10/04/10 23:59	10/06/10 10:58
S1-P-10-7-10	0101208-01	Air	10/07/10 23:59	10/12/10 10:29
S2-P-10-7-10	0101208-02	Air	10/07/10 23:59	10/12/10 10:29
S3-P-10-7-10	0101208-03	Air	10/07/10 23:59	10/12/10 10:29
S4-P-10-7-10	0101208-04	Air	10/07/10 23:59	10/12/10 10:29
S5-P-10-7-10	0101208-05	Air	10/07/10 23:59	10/12/10 10:29
S1-P-10-10-10	0101208-08	Air	10/10/10 23:59	10/12/10 10:29
S2-P-10-10-10	0101208-09	Air	10/10/10 23:59	10/12/10 10:29
S3-P-10-10-10	0101208-10	Air	10/10/10 23:59	10/12/10 10:29
S4-P-10-10-10	0101208-11	Air	10/10/10 23:59	10/12/10 10:29
S5-P-10-10-10	0101208-12	Air	10/10/10 23:59	10/12/10 10:29
S1-P-10-13-10	0101514-01	Air	10/13/10 23:59	10/15/10 10:47
S2-P-10-13-10	0101514-02	Air	10/13/10 23:59	10/15/10 10:47
S3-P-10-13-10	0101514-03	Air	10/13/10 23:59	10/15/10 10:47
S4-P-10-13-10	0101514-04	Air	10/13/10 23:59	10/15/10 10:47
S4-D-10-13-10	0101514-05	Air	10/13/10 23:59	10/15/10 10:47
S5-P-10-13-10	0101514-06	Air	10/13/10 23:59	10/15/10 10:47
S5-D-10-13-10	0101514-07	Air	10/13/10 23:59	10/15/10 10:47
S1-P-10-16-10	0102001-01	Air	10/16/10 23:59	10/19/10 15:32
S2-P-10-16-10	0102001-02	Air	10/16/10 23:59	10/19/10 15:32
S3-P-10-16-10	0102001-03	Air	10/16/10 23:59	10/19/10 15:32



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AQS SITE CODE:

PHONE: na	FAX: na		SITE CODE:	Natural Gas Air Quality Study
S4-P-10-16-10	0102001-04	Air	10/16/10 23:59	10/19/10 15:32
S5-P-10-16-10	0102001-05	Air	10/16/10 23:59	10/19/10 15:32
S1-P-10-19-10	0102116-01	Air	10/19/10 23:59	10/21/10 10:37
S2-P-10-19-10	0102116-02	Air	10/19/10 23:59	10/21/10 10:37
S3-P-10-19-10	0102116-03	Air	10/19/10 23:59	10/21/10 10:37
S4-P-10-19-10	0102116-04	Air	10/19/10 23:59	10/21/10 10:37
S5-P-10-19-10	0102207-01	Air	10/19/10 23:59	10/22/10 14:54
S1-P-10-22-10	0102621-01	Air	10/22/10 23:59	10/26/10 12:26
S2-P-10-22-10	0102621-02	Air	10/22/10 23:59	10/26/10 12:26
S3-P-10-22-10	0102621-03	Air	10/22/10 23:59	10/26/10 12:26
S4-P-10-22-10	0102621-04	Air	10/22/10 23:59	10/26/10 12:26
S5-P-10-22-10	0102621-05	Air	10/22/10 23:59	10/26/10 12:26
S1-P-10-25-10	0102801-01	Air	10/25/10 23:59	10/27/10 15:42
S2-P-10-25-10	0102801-02	Air	10/25/10 23:59	10/27/10 15:42
S3-P-10-25-10	0102801-03	Air	10/25/10 23:59	10/27/10 15:42
S4-P-10-25-10	0102801-04	Air	10/25/10 23:59	10/27/10 15:42
S5-P-10-25-10	0102801-05	Air	10/25/10 23:59	10/27/10 15:42
S1-P-10-28-10	0110212-01	Air	10/28/10 23:59	11/02/10 13:32
S1-P-10-31-10	0110212-02	Air	10/31/10 23:59	11/02/10 13:32
S2-P-10-28-10	0110212-03	Air	10/28/10 23:59	11/02/10 13:32
S2-P-10-31-10	0110212-04	Air	10/31/10 23:59	11/02/10 13:32
S3-P-10-28-10	0110212-05	Air	10/28/10 23:59	11/02/10 13:32
S4-P-10-28-10	0110212-06	Air	10/28/10 23:59	11/02/10 13:32
S4-D-10-28-10	0110212-07	Air	10/28/10 23:59	11/02/10 13:32
S4-P-10-31-10	0110212-08	Air	10/31/10 23:59	11/02/10 13:32
S5-P-10-28-10	0110212-09	Air	10/28/10 23:59	11/02/10 13:32



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AQS SITE CODE:

PHONE: na

FAX: na

SITE CODE: Natural Gas Air Quality Study

S5-D-10-28-10

0110212-10

Air

10/28/10 23:59

11/02/10 13:32

S5-P-10-31-10

0110212-11

Air

10/31/10 23:59

11/02/10 13:32



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 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S1-P-09-04-10 Lab ID: 0090802-01 Sampled: 09/04/10 23:49
 Pressure @ Receipt: 5.5" Hg Canister #: 5094 Received: 09/08/10 12:05
 Comments: Site 1 Analyzed: 09/14/10 02:44

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.580	0.62		0.025
Propylene	0.394	0.68		0.028
Dichlorodifluoromethane	0.609	3.02		0.012
Chloromethane	0.661	1.37		0.016
Dichlorotetrafluoroethane	0.020	0.14		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.026	0.06		0.010
Bromomethane	0.012	0.05	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.290	1.63		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.138	0.48		0.023
Carbon Disulfide	0.024	0.07		0.011
Trichlorotrifluoroethane	0.093	0.71		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.603	1.78		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.035	0.17		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.168	0.54		0.019
Carbon Tetrachloride	0.123	0.78		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.028
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.041	0.17		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.293	1.11		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S1-P-09-04-10 Lab ID: 0090802-01 Sampled: 09/04/10 23:49
 Pressure @ Receipt: 5.5" Hg Canister #: 5094 Received: 09/08/10 12:05
 Comments: Site 1 Analyzed: 09/14/10 02:44

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.045	0.21		0.012
Tetrachloroethylene	0.024	0.16		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.086	0.37		0.012
m,p-Xylene	0.154	0.67		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.051	0.22		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.063	0.27		0.010
1,3,5-Trimethylbenzene	0.026	0.13		0.010
1,2,4-Trimethylbenzene	0.064	0.32		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.076	0.46		0.011
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-P-09-04-10 **Lab ID:** 0090802-02 **Sampled:** 09/04/10 23:50
Pressure @ Receipt: 7.5" Hg **Canister #:** 5005 **Received:** 09/08/10 12:05
Comments: Site 4 **Analyzed:** 09/14/10 03:49

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	1.45	1.55		0.025
Propylene	1.47	2.54		0.028
Dichlorodifluoromethane	0.636	3.15		0.012
Chloromethane	0.952	1.97		0.016
Dichlorotetrafluoroethane	0.022	0.15		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.248	0.55		0.010
Bromomethane	0.013	0.05		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.284	1.60		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.141	0.49		0.023
Carbon Disulfide	0.136	0.42		0.011
Trichlorotrifluoroethane	0.092	0.71		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	1.20	3.55		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.026	0.13		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.556	1.78		0.019
Carbon Tetrachloride	0.110	0.69		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.028
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.112	0.46		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	1.58	5.97		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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 ATTN: Brain Boerner
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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-P-09-04-10 Lab ID: 0090802-02 Sampled: 09/04/10 23:50
 Pressure @ Receipt: 7.5" Hg Canister #: 5005 Received: 09/08/10 12:05
 Comments: Site 4 Analyzed: 09/14/10 03:49

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.172	0.81		0.012
Tetrachloroethylene	0.070	0.48		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.294	1.28		0.012
m,p-Xylene	1.04	4.53		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.059	0.25		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.320	1.39		0.010
1,3,5-Trimethylbenzene	0.070	0.35		0.010
1,2,4-Trimethylbenzene	0.216	1.06		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.095	0.57		0.011
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:

PHONE: na FAX: na

SITE CODE: Natural Gas Air Quality Study

Description: S1-P-09-07-10 **Lab ID:** 0090906-01 **Sampled:** 09/07/10 23:54
Pressure @ Receipt: 6.5" Hg **Canister #:** 5017 **Received:** 09/09/10 12:17
Comments: Site 1 **Analyzed:** 09/14/10 04:56

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.416	0.44		0.025
Propylene	0.522	0.90		0.028
Dichlorodifluoromethane	0.606	3.00		0.012
Chloromethane	0.778	1.61		0.016
Dichlorotetrafluoroethane	0.019	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.037	0.08		0.010
Bromomethane	0.012	0.05	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.286	1.61		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.115	0.40		0.023
Carbon Disulfide	0.045	0.14		0.011
Trichlorotrifluoroethane	0.095	0.73		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	1.18	3.49		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.022	0.11		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.176	0.56		0.019
Carbon Tetrachloride	0.130	0.82		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.028
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.071	0.29		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.439	1.66		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

City of Fort Worth
 1000 Throckmorton Street
 Fort Worth, TX 76102-6311
 ATTN: Brain Boerner
 PHONE: na FAX: na

FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S1-P-09-07-10 Lab ID: 0090906-01 Sampled: 09/07/10 23:54
 Pressure @ Receipt: 6.5" Hg Canister #: 5017 Received: 09/09/10 12:17
 Comments: Site 1 Analyzed: 09/14/10 04:56

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.058	0.27		0.012
Tetrachloroethylene	0.017	0.12		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.102	0.44		0.012
m,p-Xylene	0.208	0.91		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.157	0.67		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.079	0.34		0.010
1,3,5-Trimethylbenzene	0.028	0.14		0.010
1,2,4-Trimethylbenzene	0.076	0.37		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.046	0.28		0.011
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S2-P-09-07-10 Lab ID: 0090906-02 Sampled: 09/07/10 23:49
 Pressure @ Receipt: 5" Hg Canister #: 5008 Received: 09/09/10 12:17
 Comments: Site 2 Analyzed: 09/14/10 06:02

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.679	0.73		0.025
Propylene	0.624	1.08		0.028
Dichlorodifluoromethane	0.603	2.99		0.012
Chloromethane	0.836	1.73		0.016
Dichlorotetrafluoroethane	0.018	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.051	0.11		0.010
Bromomethane	0.015	0.06		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.285	1.60		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.191	0.67		0.023
Carbon Disulfide	0.053	0.17		0.011
Trichlorotrifluoroethane	0.092	0.71		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	1.05	3.10		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.028	0.14		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.318	1.02		0.019
Carbon Tetrachloride	0.129	0.81		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.028
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.082	0.34		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	1.10	4.15		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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 AQS SITE CODE:
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Description: S2-P-09-07-10 Lab ID: 0090906-02 Sampled: 09/07/10 23:49
 Pressure @ Receipt: 5" Hg Canister #: 5008 Received: 09/09/10 12:17
 Comments: Site 2 Analyzed: 09/14/10 06:02

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.089	0.42		0.012
Tetrachloroethylene	0.080	0.54		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.139	0.61		0.012
m,p-Xylene	0.310	1.35		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.086	0.37		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.113	0.49		0.010
1,3,5-Trimethylbenzene	0.038	0.19		0.010
1,2,4-Trimethylbenzene	0.103	0.51		0.011
m-Dichlorobenzene	0.066	0.40		0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.416	2.51		0.011
o-Dichlorobenzene	0.062	0.37		0.012
1,2,4-Trichlorobenzene	0.224	1.67		0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:
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Description: S4-P-09-07-10 **Lab ID:** 0090906-03 **Sampled:** 09/07/10 23:59
Pressure @ Receipt: 9.5" Hg **Canister #:** 5025 **Received:** 09/09/10 12:17
Comments: Dup1 Site 4 **Analyzed:** 09/13/10 18:03

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.748	0.80		0.025
Propylene	0.772	1.33		0.028
Dichlorodifluoromethane	0.634	3.14		0.012
Chloromethane	0.915	1.89		0.016
Dichlorotetrafluoroethane	0.019	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.054	0.12		0.010
Bromomethane	0.030	0.12		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.297	1.67		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.091	0.32		0.023
Carbon Disulfide	0.204	0.64		0.011
Trichlorotrifluoroethane	0.095	0.73		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	1.04	3.07		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.019	0.09		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.303	0.97		0.019
Carbon Tetrachloride	0.126	0.79		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.028
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.078	0.32		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.869	3.28		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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 REPORTED: 05/24/11 11:31
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 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-P-09-07-10 Lab ID: 0090906-03 Sampled: 09/07/10 23:59
 Pressure @ Receipt: 9.5" Hg Canister #: 5025 Received: 09/09/10 12:17
 Comments: Dup1 Site 4 Analyzed: 09/13/10 18:03

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.075	0.35		0.012
Tetrachloroethylene	0.054	0.37		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.172	0.75		0.012
m,p-Xylene	0.577	2.51		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.046	0.20		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.180	0.78		0.010
1,3,5-Trimethylbenzene	0.039	0.19		0.010
1,2,4-Trimethylbenzene	0.119	0.59		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.102	0.62		0.011
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	0.033	0.25		0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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SITE CODE: Natural Gas Air Quality Study

Description: S4-D-09-07-10 **Lab ID:** 0090906-04 **Sampled:** 09/07/10 23:09
Pressure @ Receipt: 9.5" Hg **Canister #:** 5148 **Received:** 09/09/10 12:17
Comments: Dup2 Site 4 **Analyzed:** 09/13/10 19:09

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.737	0.79		0.025
Propylene	0.719	1.24		0.028
Dichlorodifluoromethane	0.646	3.20		0.012
Chloromethane	0.833	1.72		0.016
Dichlorotetrafluoroethane	0.019	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.055	0.12		0.010
Bromomethane	0.013	0.05		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.301	1.69		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.096	0.33		0.023
Carbon Disulfide	0.079	0.25		0.011
Trichlorotrifluoroethane	0.097	0.75		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.708	2.09		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.016	0.08	U	0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.298	0.95		0.019
Carbon Tetrachloride	0.134	0.85		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.028
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.063	0.26		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.884	3.34		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-D-09-07-10 Lab ID: 0090906-04 Sampled: 09/07/10 23:09
 Pressure @ Receipt: 9.5" Hg Canister #: 5148 Received: 09/09/10 12:17
 Comments: Dup2 Site 4 Analyzed: 09/13/10 19:09

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.076	0.36		0.012
Tetrachloroethylene	0.056	0.38		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.172	0.75		0.012
m,p-Xylene	0.584	2.54		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.050	0.21		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.183	0.80		0.010
1,3,5-Trimethylbenzene	0.045	0.22		0.010
1,2,4-Trimethylbenzene	0.128	0.63		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.090	0.54		0.011
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S5-P-09-07-10 Lab ID: 0090906-05 Sampled: 09/07/10 23:59
 Pressure @ Receipt: 11" Hg Canister #: 5079 Received: 09/09/10 12:17
 Comments: Dup1 Site 5 Analyzed: 09/13/10 22:20

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.340	0.36		0.025
Propylene	0.364	0.63		0.028
Dichlorodifluoromethane	0.538	2.67		0.012
Chloromethane	0.903	1.87		0.016
Dichlorotetrafluoroethane	0.021	0.15		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.020	0.04		0.010
Bromomethane	0.017	0.07		0.013
Chloroethane	0.056	0.15		0.012
Trichlorofluoromethane	0.263	1.48		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.120	0.42		0.023
Carbon Disulfide	0.937	2.92		0.011
Trichlorotrifluoroethane	0.091	0.70		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.499	1.47		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.056	0.27		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.015	0.08	U	0.020
Benzene	0.133	0.43		0.019
Carbon Tetrachloride	0.124	0.78		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.028
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	0.012	0.06	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.029	0.12		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.599	2.26		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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 AQS SITE CODE:
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Description: S5-P-09-07-10 Lab ID: 0090906-05 Sampled: 09/07/10 23:59
 Pressure @ Receipt: 11" Hg Canister #: 5079 Received: 09/09/10 12:17
 Comments: Dup1 Site 5 Analyzed: 09/13/10 22:20

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.054	0.25		0.012
Tetrachloroethylene	0.022	0.15		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.088	0.38		0.012
m,p-Xylene	0.232	1.01		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.037	0.16		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.078	0.34		0.010
1,3,5-Trimethylbenzene	0.024	0.12		0.010
1,2,4-Trimethylbenzene	0.052	0.26		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.015	0.09		0.011
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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Description: S5-D-09-07-10 Lab ID: 0090906-06 Sampled: 09/07/10 23:59
 Pressure @ Receipt: 11" Hg Canister #: 5016 Received: 09/09/10 12:17
 Comments: Dup2 Site 5 Analyzed: 09/13/10 23:26

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.394	0.42		0.025
Propylene	0.362	0.62		0.028
Dichlorodifluoromethane	0.612	3.03		0.012
Chloromethane	0.853	1.77		0.016
Dichlorotetrafluoroethane	0.023	0.16		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.021	0.05		0.010
Bromomethane	0.016	0.06		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.286	1.61		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.080	0.28		0.023
Carbon Disulfide	1.35	4.21		0.011
Trichlorotrifluoroethane	0.100	0.77		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.778	2.30		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.032	0.16		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.016	0.09	U	0.020
Benzene	0.133	0.43		0.019
Carbon Tetrachloride	0.138	0.87		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.028
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.046	0.19		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.825	3.12		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

City of Fort Worth
 1000 Throckmorton Street
 Fort Worth, TX 76102-6311
 ATTN: Brain Boerner
 PHONE: na FAX: na

FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S5-D-09-07-10 Lab ID: 0090906-06 Sampled: 09/07/10 23:59
 Pressure @ Receipt: 11" Hg Canister #: 5016 Received: 09/09/10 12:17
 Comments: Dup2 Site 5 Analyzed: 09/13/10 23:26

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.053	0.25		0.012
Tetrachloroethylene	0.022	0.15		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.108	0.47		0.012
m,p-Xylene	0.261	1.14		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.038	0.16		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.088	0.38		0.010
1,3,5-Trimethylbenzene	0.027	0.13		0.010
1,2,4-Trimethylbenzene	0.057	0.28		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.016	0.10		0.011
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S1-P-09-10-10 **Lab ID:** 0091501-01 **Sampled:** 09/10/10 23:49
Pressure @ Receipt: 6" Hg **Canister #:** 5023 **Received:** 09/14/10 16:01
Comments: Site 1 **Analyzed:** 09/21/10 23:48

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.722	0.77		0.025
Propylene	0.338	0.58		0.028
Dichlorodifluoromethane	0.518	2.57		0.012
Chloromethane	0.720	1.49		0.016
Dichlorotetrafluoroethane	0.019	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.027	0.06		0.010
Bromomethane	0.015	0.06		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.272	1.53		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.205	0.71		0.023
Carbon Disulfide	0.258	0.81		0.011
Trichlorotrifluoroethane	0.088	0.68		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.937	2.77		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.033	0.16		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.166	0.53		0.019
Carbon Tetrachloride	0.122	0.77		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.059	0.24		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.362	1.37		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S1-P-09-10-10 Lab ID: 0091501-01 Sampled: 09/10/10 23:49
 Pressure @ Receipt: 6" Hg Canister #: 5023 Received: 09/14/10 16:01
 Comments: Site 1 Analyzed: 09/21/10 23:48

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.052	0.24		0.012
Tetrachloroethylene	0.062	0.42		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.081	0.35		0.012
m,p-Xylene	0.162	0.71		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.261	1.11		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.064	0.28		0.010
1,3,5-Trimethylbenzene	0.036	0.18		0.010
1,2,4-Trimethylbenzene	0.085	0.42		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.042	0.25		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-P-09-10-10 Lab ID: 0091501-02 Sampled: 09/10/10 23:49
 Pressure @ Receipt: 8" Hg Canister #: 5074 Received: 09/14/10 16:01
 Comments: Site 4 Analyzed: 09/22/10 00:49

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.335	0.36		0.025
Propylene	0.369	0.64		0.028
Dichlorodifluoromethane	0.520	2.58		0.012
Chloromethane	0.820	1.70		0.016
Dichlorotetrafluoroethane	0.022	0.15		0.012
Vinyl chloride	0.033	0.08		0.013
1,3-Butadiene	0.028	0.06		0.010
Bromomethane	0.018	0.07		0.013
Chloroethane	0.086	0.23		0.012
Trichlorofluoromethane	0.261	1.47		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.097	0.34		0.023
Carbon Disulfide	0.234	0.73		0.011
Trichlorotrifluoroethane	0.090	0.69		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	1.24	3.66		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.028	0.14		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.018	0.10	U	0.020
Benzene	0.200	0.64		0.019
Carbon Tetrachloride	0.128	0.81		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.079	0.32		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.807	3.05		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-P-09-10-10 Lab ID: 0091501-02 Sampled: 09/10/10 23:49
 Pressure @ Receipt: 8" Hg Canister #: 5074 Received: 09/14/10 16:01
 Comments: Site 4 Analyzed: 09/22/10 00:49

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.060	0.28		0.012
Tetrachloroethylene	0.027	0.18		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.211	0.92		0.012
m,p-Xylene	0.728	3.17		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.052	0.22		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.201	0.88		0.010
1,3,5-Trimethylbenzene	0.038	0.19		0.010
1,2,4-Trimethylbenzene	0.084	0.41		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.079	0.48		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S5-P-09-10-10 Lab ID: 0091501-03 Sampled: 09/10/10 23:49
 Pressure @ Receipt: 13.5" Hg Canister #: 5032 Received: 09/14/10 16:01
 Comments: Site 5 Analyzed: 09/22/10 01:50

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.375	0.40		0.025
Propylene	0.255	0.44		0.028
Dichlorodifluoromethane	0.537	2.66		0.012
Chloromethane	0.753	1.56		0.016
Dichlorotetrafluoroethane	0.026	0.18		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.021	0.05		0.010
Bromomethane	0.021	0.08		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.271	1.53		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.096	0.33		0.023
Carbon Disulfide	1.10	3.43		0.011
Trichlorotrifluoroethane	0.096	0.74		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.891	2.63		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.033	0.16		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.022	0.12		0.020
Benzene	0.164	0.53		0.019
Carbon Tetrachloride	0.128	0.81		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.054	0.22		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	ND	ND	U	0.013
Dibromochloromethane	0.016	0.14		0.011
1,2-Dibromoethane	0.015	0.12		0.012



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City of Fort Worth
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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S5-P-09-10-10 Lab ID: 0091501-03 Sampled: 09/10/10 23:49
 Pressure @ Receipt: 13.5" Hg Canister #: 5032 Received: 09/14/10 16:01
 Comments: Site 5 Analyzed: 09/22/10 01:50

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.070	0.33		0.012
Tetrachloroethylene	0.021	0.14		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.102	0.44		0.012
m,p-Xylene	0.280	1.22		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.061	0.26		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.095	0.41		0.010
1,3,5-Trimethylbenzene	0.036	0.18		0.010
1,2,4-Trimethylbenzene	0.067	0.33		0.011
m-Dichlorobenzene	0.015	0.09		0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.027	0.16		0.010
o-Dichlorobenzene	0.016	0.10		0.012
1,2,4-Trichlorobenzene	0.014	0.10	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 REPORTED: 05/24/11 11:31
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SITE CODE: Natural Gas Air Quality Study

Description: S1-P-09-13-10 **Lab ID:** 0091614-01 **Sampled:** 09/13/10 23:59
Pressure @ Receipt: 6.5" Hg **Canister #:** 5004 **Received:** 09/16/10 12:42
Comments: Site 1 **Analyzed:** 09/22/10 05:56

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.474	0.51		0.025
Propylene	0.492	0.85		0.028
Dichlorodifluoromethane	0.530	2.63		0.012
Chloromethane	0.753	1.56		0.016
Dichlorotetrafluoroethane	0.020	0.14		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.027	0.06		0.010
Bromomethane	0.018	0.07		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.269	1.51		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.105	0.37		0.023
Carbon Disulfide	0.033	0.10		0.011
Trichlorotrifluoroethane	0.092	0.71		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	1.64	4.85		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.042	0.21		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.016	0.09	U	0.020
Benzene	0.286	0.92		0.019
Carbon Tetrachloride	0.124	0.78		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.094	0.39		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.488	1.84		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S1-P-09-13-10 **Lab ID:** 0091614-01 **Sampled:** 09/13/10 23:59
Pressure @ Receipt: 6.5" Hg **Canister #:** 5004 **Received:** 09/16/10 12:42
Comments: Site 1 **Analyzed:** 09/22/10 05:56

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
n-Octane	0.067	0.31		0.012
Tetrachloroethylene	0.036	0.25		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.103	0.45		0.012
m,p-Xylene	0.209	0.91		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.231	0.99		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.084	0.37		0.010
1,3,5-Trimethylbenzene	0.034	0.17		0.010
1,2,4-Trimethylbenzene	0.081	0.40		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.079	0.48		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:
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Description: S2-P-09-13-10 Lab ID: 0091614-02 Sampled: 09/13/10 23:59
 Pressure @ Receipt: 8.5" Hg Canister #: 5066 Received: 09/16/10 12:42
 Comments: Site 2 Analyzed: 09/22/10 03:53

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.498	0.53		0.025
Propylene	0.438	0.76		0.028
Dichlorodifluoromethane	0.521	2.58		0.012
Chloromethane	0.704	1.46		0.016
Dichlorotetrafluoroethane	0.020	0.14		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.044	0.10		0.010
Bromomethane	0.016	0.06		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.267	1.50		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.180	0.63		0.023
Carbon Disulfide	0.138	0.43		0.011
Trichlorotrifluoroethane	0.086	0.66		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.983	2.91		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.033	0.16		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.308	0.99		0.019
Carbon Tetrachloride	0.122	0.77		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.054	0.22		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.474	1.79		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

City of Fort Worth
 1000 Throckmorton Street
 Fort Worth, TX 76102-6311
 ATTN: Brain Boerner
 PHONE: na FAX: na

FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S2-P-09-13-10 Lab ID: 0091614-02 Sampled: 09/13/10 23:59
 Pressure @ Receipt: 8.5" Hg Canister #: 5066 Received: 09/16/10 12:42
 Comments: Site 2 Analyzed: 09/22/10 03:53

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.080	0.38		0.012
Tetrachloroethylene	0.030	0.20		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.129	0.56		0.012
m,p-Xylene	0.258	1.12		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.061	0.26		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.099	0.43		0.010
1,3,5-Trimethylbenzene	0.038	0.19		0.010
1,2,4-Trimethylbenzene	0.092	0.45		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.101	0.61		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-P-09-13-10 **Lab ID:** 0091614-03 **Sampled:** 09/13/10 23:59
Pressure @ Receipt: 9" Hg **Canister #:** 5006 **Received:** 09/16/10 12:42
Comments: Site 4 **Analyzed:** 09/22/10 04:54

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.606	0.65		0.025
Propylene	0.681	1.17		0.028
Dichlorodifluoromethane	0.515	2.55		0.012
Chloromethane	0.712	1.47		0.016
Dichlorotetrafluoroethane	0.022	0.15		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.057	0.13		0.010
Bromomethane	0.023	0.09		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.264	1.49		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.095	0.33		0.023
Carbon Disulfide	0.170	0.53		0.011
Trichlorotrifluoroethane	0.087	0.67		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	2.10	6.21		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.033	0.16		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.018	0.10	U	0.020
Benzene	0.334	1.07		0.019
Carbon Tetrachloride	0.117	0.74		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.102	0.42		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	1.07	4.04		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-P-09-13-10 Lab ID: 0091614-03 Sampled: 09/13/10 23:59
 Pressure @ Receipt: 9" Hg Canister #: 5006 Received: 09/16/10 12:42
 Comments: Site 4 Analyzed: 09/22/10 04:54

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.108	0.51		0.012
Tetrachloroethylene	0.050	0.34		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.247	1.07		0.012
m,p-Xylene	0.844	3.67		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.064	0.27		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.251	1.09		0.010
1,3,5-Trimethylbenzene	0.055	0.27		0.010
1,2,4-Trimethylbenzene	0.149	0.73		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.178	1.07		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:
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Description: S5-P-09-13-10 Lab ID: 0091614-04 Sampled: 09/13/10 23:59
 Pressure @ Receipt: 14" Hg Canister #: 5015 Received: 09/16/10 12:42
 Comments: Site 5 Analyzed: 09/22/10 02:52

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.570	0.61		0.025
Propylene	0.867	1.50		0.028
Dichlorodifluoromethane	0.531	2.63		0.012
Chloromethane	0.856	1.77		0.016
Dichlorotetrafluoroethane	0.025	0.18		0.012
Vinyl chloride	0.052	0.13		0.013
1,3-Butadiene	0.036	0.08		0.010
Bromomethane	0.023	0.09		0.013
Chloroethane	0.205	0.54		0.012
Trichlorofluoromethane	0.273	1.54		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.114	0.40		0.023
Carbon Disulfide	1.09	3.40		0.011
Trichlorotrifluoroethane	0.094	0.72		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	3.05	9.01		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.069	0.34		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.024	0.13		0.020
Benzene	0.328	1.05		0.019
Carbon Tetrachloride	0.130	0.82		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	0.075	0.50		0.021
Trichloroethylene	0.093	0.50		0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	0.045	0.21		0.015
Methyl Isobutyl Ketone	0.157	0.64		0.010
trans-1,3-Dichloropropene	0.046	0.21		0.016
1,1,2-Trichloroethane	0.121	0.66		0.018
Toluene	0.746	2.82		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	0.275	2.12		0.012



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SUBMITTED: 09/08/10 to 11/02/10

AQS SITE CODE:

PHONE: na

FAX: na

SITE CODE:

Natural Gas Air Quality Study

Description: S5-P-09-13-10

Lab ID: 0091614-04

Sampled: 09/13/10 23:59

Pressure @ Receipt: 14" Hg

Canister #: 5015

Received: 09/16/10 12:42

Comments: Site 5

Analyzed: 09/22/10 02:52

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.105	0.49		0.012
Tetrachloroethylene	0.075	0.51		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.220	0.96		0.012
m,p-Xylene	0.534	2.32		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.128	0.55		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.180	0.78		0.010
1,3,5-Trimethylbenzene	0.075	0.37		0.010
1,2,4-Trimethylbenzene	0.171	0.84		0.011
m-Dichlorobenzene	0.550	3.31		0.010
Chloromethylbenzene	0.300	1.56		0.017
p-Dichlorobenzene	0.706	4.25		0.010
o-Dichlorobenzene	0.482	2.90		0.012
1,2,4-Trichlorobenzene	0.842	6.26		0.018
Hexachloro-1,3-butadiene	0.109	1.16		0.012



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 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

PHONE: na FAX: na

Description: S1-P-09-16-10 Lab ID: 0092120-01 Sampled: 09/16/10 23:49
 Pressure @ Receipt: 6.5" Hg Canister #: 5131 Received: 09/21/10 13:32
 Comments: Site 1 Analyzed: 09/28/10 05:46

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.636	0.68		0.025
Propylene	0.345	0.60		0.028
Dichlorodifluoromethane	0.539	2.67		0.012
Chloromethane	0.657	1.36		0.016
Dichlorotetrafluoroethane	0.016	0.11		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.020	0.04		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.274	1.54		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.122	0.43		0.023
Carbon Disulfide	0.022	0.07		0.011
Trichlorotrifluoroethane	0.087	0.67		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.920	2.72		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.036	0.18		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.227	0.73		0.019
Carbon Tetrachloride	0.133	0.84		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.051	0.21		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.523	1.97		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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City of Fort Worth
 1000 Throckmorton Street
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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S1-P-09-16-10 Lab ID: 0092120-01 Sampled: 09/16/10 23:49
 Pressure @ Receipt: 6.5" Hg Canister #: 5131 Received: 09/21/10 13:32
 Comments: Site 1 Analyzed: 09/28/10 05:46

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.056	0.26		0.012
Tetrachloroethylene	0.054	0.37		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.082	0.36		0.012
m,p-Xylene	0.172	0.75		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.082	0.35		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.069	0.30		0.010
1,3,5-Trimethylbenzene	0.028	0.14		0.010
1,2,4-Trimethylbenzene	0.074	0.37		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.045	0.27		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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SUBMITTED: 09/08/10 to 11/02/10

AQS SITE CODE:

PHONE: na

FAX: na

SITE CODE:

Natural Gas Air Quality Study

Description: S1-P-09-19-10

Lab ID: 0092120-02

Sampled: 09/19/10 23:49

Pressure @ Receipt: 7" Hg

Canister #: 5088

Received: 09/21/10 13:32

Comments: Site 1

Analyzed: 09/28/10 06:47

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.513	0.55		0.025
Propylene	0.351	0.61		0.028
Dichlorodifluoromethane	0.552	2.74		0.012
Chloromethane	0.671	1.39		0.016
Dichlorotetrafluoroethane	0.017	0.12		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.020	0.04		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.280	1.58		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.114	0.40		0.023
Carbon Disulfide	0.036	0.11		0.011
Trichlorotrifluoroethane	0.088	0.68		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	1.10	3.25		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.057	0.28		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.271	0.87		0.019
Carbon Tetrachloride	0.135	0.85		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.082	0.34		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.816	3.08		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S1-P-09-19-10 Lab ID: 0092120-02 Sampled: 09/19/10 23:49
 Pressure @ Receipt: 7" Hg Canister #: 5088 Received: 09/21/10 13:32
 Comments: Site 1 Analyzed: 09/28/10 06:47

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.078	0.37		0.012
Tetrachloroethylene	0.037	0.25		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.107	0.47		0.012
m,p-Xylene	0.239	1.04		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.119	0.51		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.089	0.39		0.010
1,3,5-Trimethylbenzene	0.032	0.16		0.010
1,2,4-Trimethylbenzene	0.089	0.44		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.118	0.71		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:

PHONE: na FAX: na

SITE CODE: Natural Gas Air Quality Study

Description: S2-P-09-16-10 Lab ID: 0092120-03 Sampled: 09/16/10 23:49
 Pressure @ Receipt: 8" Hg Canister #: 5078 Received: 09/21/10 13:32
 Comments: Site 2 Analyzed: 09/28/10 04:44

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.604	0.65		0.025
Propylene	0.492	0.85		0.028
Dichlorodifluoromethane	0.535	2.65		0.012
Chloromethane	0.680	1.41		0.016
Dichlorotetrafluoroethane	0.016	0.11		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.047	0.10		0.010
Bromomethane	0.012	0.05	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.268	1.51		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.185	0.64		0.023
Carbon Disulfide	0.087	0.27		0.011
Trichlorotrifluoroethane	0.086	0.66		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.928	2.74		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.023	0.11		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.265	0.85		0.019
Carbon Tetrachloride	0.129	0.81		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.047	0.19		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.444	1.68		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

City of Fort Worth
1000 Throckmorton Street
Fort Worth, TX 76102-6311
ATTN: Brain Boerner

FILE #: 3786.02.002.001
REPORTED: 05/24/11 11:31
SUBMITTED: 09/08/10 to 11/02/10
AQS SITE CODE:

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SITE CODE: Natural Gas Air Quality Study

Description: S2-P-09-16-10 Lab ID: 0092120-03 Sampled: 09/16/10 23:49
Pressure @ Receipt: 8" Hg Canister #: 5078 Received: 09/21/10 13:32
Comments: Site 2 Analyzed: 09/28/10 04:44

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.078	0.37		0.012
Tetrachloroethylene	0.018	0.12		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.100	0.44		0.012
m,p-Xylene	0.233	1.01		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.041	0.18		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.088	0.38		0.010
1,3,5-Trimethylbenzene	0.032	0.16		0.010
1,2,4-Trimethylbenzene	0.086	0.42		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.033	0.20		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S2-P-09-19-10 Lab ID: 0092120-04 Sampled: 09/19/10 23:49
 Pressure @ Receipt: 8" Hg Canister #: 5147 Received: 09/21/10 13:32
 Comments: Site 2 Analyzed: 09/28/10 07:48

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.698	0.75		0.025
Propylene	0.584	1.01		0.028
Dichlorodifluoromethane	0.549	2.72		0.012
Chloromethane	0.652	1.35		0.016
Dichlorotetrafluoroethane	0.017	0.12		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.048	0.11		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.278	1.57		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.588	2.05		0.023
Carbon Disulfide	0.074	0.23		0.011
Trichlorotrifluoroethane	0.088	0.68		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	1.90	5.62		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.033	0.16		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.032	0.18		0.020
Benzene	0.324	1.04		0.019
Carbon Tetrachloride	0.127	0.80		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.107	0.44		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	1.03	3.89		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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 REPORTED: 05/24/11 11:31
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 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S2-P-09-19-10 Lab ID: 0092120-04 Sampled: 09/19/10 23:49
 Pressure @ Receipt: 8" Hg Canister #: 5147 Received: 09/21/10 13:32
 Comments: Site 2 Analyzed: 09/28/10 07:48

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.200	0.94		0.012
Tetrachloroethylene	0.024	0.16		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.200	0.87		0.012
m,p-Xylene	0.586	2.55		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.074	0.32		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.222	0.97		0.010
1,3,5-Trimethylbenzene	0.095	0.47		0.010
1,2,4-Trimethylbenzene	0.246	1.21		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.058	0.35		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:
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Description: S3-P-09-16-10 Lab ID: 0092120-05 Sampled: 09/16/10 23:49
 Pressure @ Receipt: 6.5" Hg Canister #: 5123 Received: 09/21/10 13:32
 Comments: Site 3 Analyzed: 09/28/10 02:42

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.472	0.50		0.025
Propylene	0.428	0.74		0.028
Dichlorodifluoromethane	0.551	2.73		0.012
Chloromethane	0.673	1.39		0.016
Dichlorotetrafluoroethane	0.017	0.12		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.057	0.13		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.276	1.55		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.128	0.45		0.023
Carbon Disulfide	0.024	0.07		0.011
Trichlorotrifluoroethane	0.089	0.68		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	1.00	2.96		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.025	0.12		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.235	0.75		0.019
Carbon Tetrachloride	0.134	0.85		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.039	0.16		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.412	1.56		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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City of Fort Worth
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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S3-P-09-16-10 Lab ID: 0092120-05 Sampled: 09/16/10 23:49
 Pressure @ Receipt: 6.5" Hg Canister #: 5123 Received: 09/21/10 13:32
 Comments: Site 3 Analyzed: 09/28/10 02:42

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.056	0.26		0.012
Tetrachloroethylene	0.023	0.16		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.088	0.38		0.012
m,p-Xylene	0.174	0.76		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.050	0.21		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.067	0.29		0.010
1,3,5-Trimethylbenzene	0.025	0.12		0.010
1,2,4-Trimethylbenzene	0.067	0.33		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.031	0.19		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:
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Description: S3-P-09-19-10 Lab ID: 0092120-06 Sampled: 09/19/10 23:49
 Pressure @ Receipt: 7" Hg Canister #: 5058 Received: 09/21/10 13:32
 Comments: Site 3 Analyzed: 09/28/10 03:43

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.632	0.67		0.025
Propylene	0.421	0.73		0.028
Dichlorodifluoromethane	0.541	2.68		0.012
Chloromethane	0.646	1.34		0.016
Dichlorotetrafluoroethane	0.017	0.12		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.033	0.07		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.268	1.51		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.163	0.57		0.023
Carbon Disulfide	0.022	0.07		0.011
Trichlorotrifluoroethane	0.088	0.68		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	1.05	3.10		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.031	0.15		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.283	0.91		0.019
Carbon Tetrachloride	0.130	0.82		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.064	0.26		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.569	2.15		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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City of Fort Worth
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 ATTN: Brain Boerner
 PHONE: na FAX: na

FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S3-P-09-19-10 Lab ID: 0092120-06 Sampled: 09/19/10 23:49
 Pressure @ Receipt: 7" Hg Canister #: 5058 Received: 09/21/10 13:32
 Comments: Site 3 Analyzed: 09/28/10 03:43

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.071	0.33		0.012
Tetrachloroethylene	0.034	0.23		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.107	0.47		0.012
m,p-Xylene	0.232	1.01		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.044	0.19		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.088	0.38		0.010
1,3,5-Trimethylbenzene	0.032	0.16		0.010
1,2,4-Trimethylbenzene	0.091	0.45		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.052	0.31		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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City of Fort Worth
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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-P-09-16-10 **Lab ID:** 0092120-07 **Sampled:** 09/16/10 23:54
Pressure @ Receipt: 9" Hg **Canister #:** 5059 **Received:** 09/21/10 13:32
Comments: Site 4 **Analyzed:** 09/28/10 01:40

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.554	0.59		0.025
Propylene	0.409	0.71		0.028
Dichlorodifluoromethane	0.584	2.89		0.012
Chloromethane	0.770	1.59		0.016
Dichlorotetrafluoroethane	0.018	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.036	0.08		0.010
Bromomethane	0.016	0.06		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.285	1.60		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.126	0.44		0.023
Carbon Disulfide	0.149	0.47		0.011
Trichlorotrifluoroethane	0.094	0.72		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.922	2.72		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.029	0.14		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.314	1.01		0.019
Carbon Tetrachloride	0.142	0.90		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.077	0.32		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.863	3.26		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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SUBMITTED: 09/08/10 to 11/02/10
AQS SITE CODE:

PHONE: na FAX: na

SITE CODE: Natural Gas Air Quality Study

Description: S4-P-09-16-10

Lab ID: 0092120-07

Sampled: 09/16/10 23:54

Pressure @ Receipt: 9" Hg

Canister #: 5059

Received: 09/21/10 13:32

Comments: Site 4

Analyzed: 09/28/10 01:40

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.061	0.29		0.012
Tetrachloroethylene	0.044	0.30		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.165	0.72		0.012
m,p-Xylene	0.561	2.44		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.037	0.16		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.166	0.72		0.010
1,3,5-Trimethylbenzene	0.030	0.15		0.010
1,2,4-Trimethylbenzene	0.085	0.42		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.050	0.30		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-P-09-19-10 **Lab ID:** 0092120-09 **Sampled:** 09/19/10 23:54
Pressure @ Receipt: 9.5" Hg **Canister #:** 5063 **Received:** 09/21/10 13:32
Comments: Dup1 Site 4 **Analyzed:** 09/27/10 16:29

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.936	1.00		0.025
Propylene	0.549	0.95		0.028
Dichlorodifluoromethane	0.568	2.81		0.012
Chloromethane	0.660	1.37		0.016
Dichlorotetrafluoroethane	0.020	0.14		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.060	0.13		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.277	1.56		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.091	0.32		0.023
Carbon Disulfide	0.077	0.24		0.011
Trichlorotrifluoroethane	0.089	0.68		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	1.04	3.07		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.031	0.15		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.730	2.34		0.019
Carbon Tetrachloride	0.132	0.83		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.102	0.42		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	2.06	7.78		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

City of Fort Worth
 1000 Throckmorton Street
 Fort Worth, TX 76102-6311
 ATTN: Brain Boerner
 PHONE: na FAX: na

FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-P-09-19-10 Lab ID: 0092120-09 Sampled: 09/19/10 23:54
 Pressure @ Receipt: 9.5" Hg Canister #: 5063 Received: 09/21/10 13:32
 Comments: Dup1 Site 4 Analyzed: 09/27/10 16:29

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.157	0.74		0.012
Tetrachloroethylene	0.058	0.39		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.237	1.03		0.012
m,p-Xylene	0.754	3.28		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.042	0.18		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.250	1.09		0.010
1,3,5-Trimethylbenzene	0.064	0.32		0.010
1,2,4-Trimethylbenzene	0.197	0.97		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.042	0.25		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-D-09-19-10 **Lab ID:** 0092120-10 **Sampled:** 09/19/10 23:54
Pressure @ Receipt: 9.5" Hg **Canister #:** 5124 **Received:** 09/21/10 13:32
Comments: Dup2 Site 4 **Analyzed:** 09/27/10 17:31

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.954	1.02		0.025
Propylene	0.560	0.97		0.028
Dichlorodifluoromethane	0.569	2.82		0.012
Chloromethane	0.660	1.37		0.016
Dichlorotetrafluoroethane	0.021	0.15		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.060	0.13		0.010
Bromomethane	0.013	0.05		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.281	1.58		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.094	0.33		0.023
Carbon Disulfide	0.078	0.24		0.011
Trichlorotrifluoroethane	0.092	0.71		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	1.02	3.01		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.032	0.16		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.015	0.08	U	0.020
Benzene	0.760	2.43		0.019
Carbon Tetrachloride	0.134	0.85		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.108	0.44		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	2.22	8.38		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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FILE #: 3786.02.002.001

REPORTED: 05/24/11 11:31

SUBMITTED: 09/08/10 to 11/02/10

AQS SITE CODE:

PHONE: na

FAX: na

SITE CODE:

Natural Gas Air Quality Study

Description: S4-D-09-19-10

Lab ID: 0092120-10

Sampled: 09/19/10 23:54

Pressure @ Receipt: 9.5" Hg

Canister #: 5124

Received: 09/21/10 13:32

Comments: Dup2 Site 4

Analyzed: 09/27/10 17:31

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.174	0.82		0.012
Tetrachloroethylene	0.062	0.42		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.256	1.11		0.012
m,p-Xylene	0.808	3.52		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.050	0.21		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.268	1.17		0.010
1,3,5-Trimethylbenzene	0.071	0.35		0.010
1,2,4-Trimethylbenzene	0.215	1.06		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.042	0.25		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S5-P-09-16-10 Lab ID: 0092120-13 Sampled: 09/16/10 23:54
 Pressure @ Receipt: 14" Hg Canister #: 5062 Received: 09/21/10 13:32
 Comments: Site 5 Analyzed: 09/28/10 00:39

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.528	0.56		0.025
Propylene	0.395	0.68		0.028
Dichlorodifluoromethane	0.558	2.77		0.012
Chloromethane	0.714	1.48		0.016
Dichlorotetrafluoroethane	0.021	0.15		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.015	0.03		0.010
Bromomethane	0.017	0.07		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.276	1.55		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.110	0.38		0.023
Carbon Disulfide	1.03	3.21		0.011
Trichlorotrifluoroethane	0.095	0.73		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	1.01	2.98		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.038	0.19		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.017	0.09	U	0.020
Benzene	0.212	0.68		0.019
Carbon Tetrachloride	0.140	0.88		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.042	0.17		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.556	2.10		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S5-P-09-16-10 **Lab ID:** 0092120-13 **Sampled:** 09/16/10 23:54
Pressure @ Receipt: 14" Hg **Canister #:** 5062 **Received:** 09/21/10 13:32
Comments: Site 5 **Analyzed:** 09/28/10 00:39

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
n-Octane	0.062	0.29		0.012
Tetrachloroethylene	0.024	0.16		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.091	0.40		0.012
m,p-Xylene	0.234	1.02		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.048	0.21		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.083	0.36		0.010
1,3,5-Trimethylbenzene	0.028	0.14		0.010
1,2,4-Trimethylbenzene	0.060	0.30		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.016	0.10		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S5-P-09-19-10 **Lab ID:** 0092120-15 **Sampled:** 09/19/10 23:54
Pressure @ Receipt: 10.5" Hg **Canister #:** 5003 **Received:** 09/21/10 13:32
Comments: Dup1 Site 5 **Analyzed:** 09/27/10 20:34

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	1.10	1.17		0.025
Propylene	0.352	0.61		0.028
Dichlorodifluoromethane	0.538	2.67		0.012
Chloromethane	0.673	1.39		0.016
Dichlorotetrafluoroethane	0.018	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.016	0.04		0.010
Bromomethane	0.015	0.06		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.266	1.50		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.074	0.26		0.023
Carbon Disulfide	0.472	1.47		0.011
Trichlorotrifluoroethane	0.088	0.68		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	1.33	3.93		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.058	0.28		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.220	0.70		0.019
Carbon Tetrachloride	0.131	0.83		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.065	0.27		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.596	2.25		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

City of Fort Worth
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 ATTN: Brain Boerner
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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S5-P-09-19-10 Lab ID: 0092120-15 Sampled: 09/19/10 23:54
 Pressure @ Receipt: 10.5" Hg Canister #: 5003 Received: 09/21/10 13:32
 Comments: Dup1 Site 5 Analyzed: 09/27/10 20:34

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.082	0.38		0.012
Tetrachloroethylene	0.013	0.09		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.072	0.31		0.012
m,p-Xylene	0.202	0.88		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.066	0.28		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.073	0.32		0.010
1,3,5-Trimethylbenzene	0.027	0.13		0.010
1,2,4-Trimethylbenzene	0.064	0.32		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	ND	ND	U	0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S5-D-09-19-10 **Lab ID:** 0092120-16 **Sampled:** 09/19/10 23:54
Pressure @ Receipt: 10.5" Hg **Canister #:** 5072 **Received:** 09/21/10 13:32
Comments: Dup2 Site 5 **Analyzed:** 09/27/10 21:35

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.548	0.59		0.025
Propylene	0.316	0.55		0.028
Dichlorodifluoromethane	0.520	2.58		0.012
Chloromethane	0.664	1.37		0.016
Dichlorotetrafluoroethane	0.018	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	ND	ND	U	0.010
Bromomethane	0.015	0.06		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.260	1.46		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.078	0.27		0.023
Carbon Disulfide	0.470	1.47		0.011
Trichlorotrifluoroethane	0.086	0.66		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	1.03	3.04		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.054	0.26		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.212	0.68		0.019
Carbon Tetrachloride	0.127	0.80		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.048	0.20		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.408	1.54		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S5-D-09-19-10 Lab ID: 0092120-16 Sampled: 09/19/10 23:54
 Pressure @ Receipt: 10.5" Hg Canister #: 5072 Received: 09/21/10 13:32
 Comments: Dup2 Site 5 Analyzed: 09/27/10 21:35

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.079	0.37		0.012
Tetrachloroethylene	ND	ND	U	0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.062	0.27		0.012
m,p-Xylene	0.174	0.76		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.062	0.27		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.062	0.27		0.010
1,3,5-Trimethylbenzene	0.022	0.11		0.010
1,2,4-Trimethylbenzene	0.054	0.27		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	ND	ND	U	0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

City of Fort Worth
 1000 Throckmorton Street
 Fort Worth, TX 76102-6311
 ATTN: Brain Boerner
 PHONE: na FAX: na

FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S1-P-09-22-10 Lab ID: 0092403-01 Sampled: 09/22/10 23:59
 Pressure @ Receipt: 8" Hg Canister #: 5098 Received: 09/24/10 10:22
 Comments: Site 1 Analyzed: 09/28/10 22:06

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.293	0.31		0.025
Propylene	0.286	0.49		0.028
Dichlorodifluoromethane	0.565	2.80		0.012
Chloromethane	0.681	1.41		0.016
Dichlorotetrafluoroethane	0.017	0.12		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	ND	ND	U	0.010
Bromomethane	0.013	0.05		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.266	1.50		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.102	0.36		0.023
Carbon Disulfide	0.117	0.37		0.011
Trichlorotrifluoroethane	0.087	0.67		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.410	1.21		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.032	0.16		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.194	0.62		0.019
Carbon Tetrachloride	0.113	0.71		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.032	0.13		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.308	1.16		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

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 1000 Throckmorton Street
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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S1-P-09-22-10 Lab ID: 0092403-01 Sampled: 09/22/10 23:59
 Pressure @ Receipt: 8" Hg Canister #: 5098 Received: 09/24/10 10:22
 Comments: Site 1 Analyzed: 09/28/10 22:06

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.038	0.18		0.012
Tetrachloroethylene	0.019	0.13		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.051	0.22		0.012
m,p-Xylene	0.096	0.42		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.420	1.79		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.040	0.17		0.010
1,3,5-Trimethylbenzene	0.014	0.07		0.010
1,2,4-Trimethylbenzene	0.035	0.17		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.034	0.21		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S2-P-09-22-10 Lab ID: 0092403-02 Sampled: 09/22/10 23:59
 Pressure @ Receipt: 6.5" Hg Canister #: 5128 Received: 09/24/10 10:22
 Comments: Site 2 Analyzed: 09/28/10 23:07

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.448	0.48		0.025
Propylene	0.412	0.71		0.028
Dichlorodifluoromethane	0.538	2.67		0.012
Chloromethane	0.630	1.30		0.016
Dichlorotetrafluoroethane	0.016	0.11		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.037	0.08		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.259	1.46		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.086	0.30		0.023
Carbon Disulfide	0.024	0.07		0.011
Trichlorotrifluoroethane	0.085	0.65		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.519	1.53		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.021	0.10		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.227	0.73		0.019
Carbon Tetrachloride	0.110	0.69		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.034	0.14		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.339	1.28		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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FILE #: 3786.02.002.001
REPORTED: 05/24/11 11:31
SUBMITTED: 09/08/10 to 11/02/10
AQS SITE CODE:

PHONE: na FAX: na

SITE CODE: Natural Gas Air Quality Study

Description: S2-P-09-22-10

Lab ID: 0092403-02

Sampled: 09/22/10 23:59

Pressure @ Receipt: 6.5" Hg

Canister #: 5128

Received: 09/24/10 10:22

Comments: Site 2

Analyzed: 09/28/10 23:07

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.046	0.22		0.012
Tetrachloroethylene	0.024	0.16		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.061	0.27		0.012
m,p-Xylene	0.148	0.64		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.029	0.12		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.060	0.26		0.010
1,3,5-Trimethylbenzene	0.024	0.12		0.010
1,2,4-Trimethylbenzene	0.067	0.33		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.021	0.13		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S3-P-09-22-10 Lab ID: 0092403-03 Sampled: 09/22/10 23:59
 Pressure @ Receipt: 7.5" Hg Canister #: 5075 Received: 09/24/10 10:22
 Comments: Site 3 Analyzed: 09/29/10 00:09

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.351	0.38		0.025
Propylene	0.325	0.56		0.028
Dichlorodifluoromethane	0.584	2.89		0.012
Chloromethane	0.678	1.40		0.016
Dichlorotetrafluoroethane	0.017	0.12		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.018	0.04		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.278	1.57		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.120	0.42		0.023
Carbon Disulfide	0.026	0.08		0.011
Trichlorotrifluoroethane	0.089	0.68		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.559	1.65		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.022	0.11		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.233	0.75		0.019
Carbon Tetrachloride	0.118	0.74		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.041	0.17		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.334	1.26		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

City of Fort Worth
 1000 Throckmorton Street
 Fort Worth, TX 76102-6311
 ATTN: Brain Boerner
 PHONE: na FAX: na

FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S3-P-09-22-10 Lab ID: 0092403-03 Sampled: 09/22/10 23:59
 Pressure @ Receipt: 7.5" Hg Canister #: 5075 Received: 09/24/10 10:22
 Comments: Site 3 Analyzed: 09/29/10 00:09

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.048	0.23		0.012
Tetrachloroethylene	0.016	0.11		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.064	0.28		0.012
m,p-Xylene	0.126	0.55		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.029	0.12		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.050	0.22		0.010
1,3,5-Trimethylbenzene	0.020	0.10		0.010
1,2,4-Trimethylbenzene	0.046	0.23		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.021	0.13		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

City of Fort Worth
 1000 Throckmorton Street
 Fort Worth, TX 76102-6311
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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-P-09-22-10 Lab ID: 0092403-05 Sampled: 09/22/10 23:59
 Pressure @ Receipt: 9" Hg Canister #: 5108 Received: 09/24/10 10:22
 Comments: Site 4 Analyzed: 09/29/10 01:10

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.593	0.63		0.025
Propylene	0.433	0.75		0.028
Dichlorodifluoromethane	0.571	2.83		0.012
Chloromethane	0.643	1.33		0.016
Dichlorotetrafluoroethane	0.017	0.12		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.042	0.09		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.278	1.57		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.094	0.33		0.023
Carbon Disulfide	0.113	0.35		0.011
Trichlorotrifluoroethane	0.091	0.70		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.432	1.28		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.021	0.10		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.266	0.85		0.019
Carbon Tetrachloride	0.118	0.74		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.037	0.15		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.632	2.39		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

City of Fort Worth
 1000 Throckmorton Street
 Fort Worth, TX 76102-6311
 ATTN: Brain Boerner
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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-P-09-22-10 Lab ID: 0092403-05 Sampled: 09/22/10 23:59
 Pressure @ Receipt: 9" Hg Canister #: 5108 Received: 09/24/10 10:22
 Comments: Site 4 Analyzed: 09/29/10 01:10

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.049	0.23		0.012
Tetrachloroethylene	0.025	0.17		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.134	0.58		0.012
m,p-Xylene	0.442	1.92		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.035	0.15		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.141	0.61		0.010
1,3,5-Trimethylbenzene	0.034	0.17		0.010
1,2,4-Trimethylbenzene	0.096	0.47		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.017	0.10		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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City of Fort Worth
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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S5-P-09-22-10 Lab ID: 0092403-07 Sampled: 09/22/10 23:59
 Pressure @ Receipt: 14" Hg Canister #: 5053 Received: 09/24/10 10:22
 Comments: Site 5 Analyzed: 09/29/10 02:12

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.454	0.49		0.025
Propylene	0.348	0.60		0.028
Dichlorodifluoromethane	0.554	2.75		0.012
Chloromethane	0.640	1.32		0.016
Dichlorotetrafluoroethane	0.018	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.016	0.04		0.010
Bromomethane	0.014	0.05		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.262	1.48		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.090	0.31		0.023
Carbon Disulfide	1.14	3.56		0.011
Trichlorotrifluoroethane	0.089	0.68		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	1.07	3.16		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.026	0.13		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.174	0.56		0.019
Carbon Tetrachloride	0.115	0.73		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.065	0.27		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.386	1.46		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

City of Fort Worth
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 ATTN: Brain Boerner

FILE #: 3786.02.002.001

REPORTED: 05/24/11 11:31

SUBMITTED: 09/08/10 to 11/02/10

AQS SITE CODE:

PHONE: na

FAX: na

SITE CODE:

Natural Gas Air Quality Study

Description: S5-P-09-22-10

Lab ID: 0092403-07

Sampled: 09/22/10 23:59

Pressure @ Receipt: 14" Hg

Canister #: 5053

Received: 09/24/10 10:22

Comments: Site 5

Analyzed: 09/29/10 02:12

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.045	0.21		0.012
Tetrachloroethylene	0.018	0.12		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.073	0.32		0.012
m,p-Xylene	0.186	0.81		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.046	0.20		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.071	0.31		0.010
1,3,5-Trimethylbenzene	0.028	0.14		0.010
1,2,4-Trimethylbenzene	0.064	0.32		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	ND	ND	U	0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

City of Fort Worth
 1000 Throckmorton Street
 Fort Worth, TX 76102-6311
 ATTN: Brain Boerner

FILE #: 3786.02.002.001

REPORTED: 05/24/11 11:31

SUBMITTED: 09/08/10 to 11/02/10

AQS SITE CODE:

PHONE: na

FAX: na

SITE CODE:

Natural Gas Air Quality Study

Description: S1-P-09-25-10

Lab ID: 0092901-01

Sampled: 09/25/10 23:49

Pressure @ Receipt: 4.5" Hg

Canister #: 5127

Received: 09/28/10 16:00

Comments: Site 1

Analyzed: 10/04/10 16:45

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.428	0.46		0.025
Propylene	0.521	0.90		0.028
Dichlorodifluoromethane	0.562	2.79		0.012
Chloromethane	0.656	1.36		0.016
Dichlorotetrafluoroethane	0.017	0.12		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.031	0.07		0.010
Bromomethane	0.011	0.04	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.267	1.50		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.087	0.30		0.023
Carbon Disulfide	0.015	0.05		0.011
Trichlorotrifluoroethane	0.087	0.67		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	1.03	3.04		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.033	0.16		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.162	0.52		0.019
Carbon Tetrachloride	0.111	0.70		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.040	0.16		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.299	1.13		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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SUBMITTED: 09/08/10 to 11/02/10

AQS SITE CODE:

PHONE: na

FAX: na

SITE CODE:

Natural Gas Air Quality Study

Description: S1-P-09-25-10

Lab ID: 0092901-01

Sampled: 09/25/10 23:49

Pressure @ Receipt: 4.5" Hg

Canister #: 5127

Received: 09/28/10 16:00

Comments: Site 1

Analyzed: 10/04/10 16:45

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.037	0.17		0.012
Tetrachloroethylene	0.030	0.20		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.055	0.24		0.012
m,p-Xylene	0.121	0.53		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.076	0.32		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.052	0.23		0.010
1,3,5-Trimethylbenzene	0.022	0.11		0.010
1,2,4-Trimethylbenzene	0.059	0.29		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.025	0.15		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:

PHONE: na FAX: na

SITE CODE: Natural Gas Air Quality Study

Description: S2-P-09-25-10 Lab ID: 0092901-02 Sampled: 09/25/10 23:49
 Pressure @ Receipt: 5" Hg Canister #: 5126 Received: 09/28/10 16:00
 Comments: Site 2 Analyzed: 10/04/10 17:47

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.689	0.74		0.025
Propylene	0.522	0.90		0.028
Dichlorodifluoromethane	0.533	2.64		0.012
Chloromethane	0.666	1.38		0.016
Dichlorotetrafluoroethane	0.016	0.11		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.057	0.13		0.010
Bromomethane	0.011	0.04	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.261	1.47		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.621	2.16		0.023
Carbon Disulfide	0.017	0.05		0.011
Trichlorotrifluoroethane	0.083	0.64		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.731	2.16		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.035	0.17		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.030	0.16		0.020
Benzene	0.255	0.82		0.019
Carbon Tetrachloride	0.107	0.68		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.160	0.66		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	4.15	15.70		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S2-P-09-25-10 **Lab ID:** 0092901-02 **Sampled:** 09/25/10 23:49
Pressure @ Receipt: 5" Hg **Canister #:** 5126 **Received:** 09/28/10 16:00
Comments: Site 2 **Analyzed:** 10/04/10 17:47

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m³		ppbv
n-Octane	0.441	2.06		0.012
Tetrachloroethylene	0.218	1.48		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.552	2.40		0.012
m,p-Xylene	1.80	7.83		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.053	0.23		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.538	2.34		0.010
1,3,5-Trimethylbenzene	0.167	0.82		0.010
1,2,4-Trimethylbenzene	0.454	2.24		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.038	0.23		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S3-P-09-25-10 Lab ID: 0092901-03 Sampled: 09/25/10 23:49
 Pressure @ Receipt: 7" Hg Canister #: 5042 Received: 09/28/10 16:00
 Comments: Site 3 Analyzed: 10/04/10 18:49

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.533	0.57		0.025
Propylene	0.432	0.75		0.028
Dichlorodifluoromethane	0.576	2.85		0.012
Chloromethane	0.677	1.40		0.016
Dichlorotetrafluoroethane	0.017	0.12		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.032	0.07		0.010
Bromomethane	0.015	0.06		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.271	1.53		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.167	0.58		0.023
Carbon Disulfide	0.236	0.74		0.011
Trichlorotrifluoroethane	0.089	0.68		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.521	1.54		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.032	0.16		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.207	0.66		0.019
Carbon Tetrachloride	0.116	0.73		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.042	0.17		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.426	1.61		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S3-P-09-25-10 Lab ID: 0092901-03 Sampled: 09/25/10 23:49
 Pressure @ Receipt: 7" Hg Canister #: 5042 Received: 09/28/10 16:00
 Comments: Site 3 Analyzed: 10/04/10 18:49

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.043	0.20		0.012
Tetrachloroethylene	0.032	0.22		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.076	0.33		0.012
m,p-Xylene	0.161	0.70		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.098	0.42		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.065	0.28		0.010
1,3,5-Trimethylbenzene	0.027	0.13		0.010
1,2,4-Trimethylbenzene	0.068	0.34		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.022	0.13		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-P-09-25-10 Lab ID: 0092901-04 Sampled: 09/25/10 23:49
 Pressure @ Receipt: 8" Hg Canister #: 5067 Received: 09/28/10 16:00
 Comments: Site 4 Analyzed: 10/04/10 19:50

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.775	0.83		0.025
Propylene	1.02	1.76		0.028
Dichlorodifluoromethane	0.552	2.74		0.012
Chloromethane	0.766	1.59		0.016
Dichlorotetrafluoroethane	0.017	0.12		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.083	0.18		0.010
Bromomethane	0.014	0.05		0.013
Chloroethane	0.097	0.26		0.012
Trichlorofluoromethane	0.262	1.48		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.125	0.44		0.023
Carbon Disulfide	0.114	0.36		0.011
Trichlorotrifluoroethane	0.085	0.65		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	8.85	26.20		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.028	0.14		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.792	2.54		0.019
Carbon Tetrachloride	0.111	0.70		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.423	1.74		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	1.68	6.34		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

PHONE: na FAX: na

Description: S4-P-09-25-10	Lab ID: 0092901-04	Sampled: 09/25/10 23:49
Pressure @ Receipt: 8" Hg	Canister #: 5067	Received: 09/28/10 16:00
Comments: Site 4		Analyzed: 10/04/10 19:50

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
n-Octane	0.125	0.59		0.012
Tetrachloroethylene	0.044	0.30		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.253	1.10		0.012
m,p-Xylene	0.767	3.34		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.052	0.22		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.253	1.10		0.010
1,3,5-Trimethylbenzene	0.063	0.31		0.010
1,2,4-Trimethylbenzene	0.182	0.90		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.020	0.12		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S5-P-09-25-10 Lab ID: 0092901-05 Sampled: 09/25/10 23:49
 Pressure @ Receipt: 13.5" Hg Canister #: 5000 Received: 09/28/10 16:00
 Comments: Site 5 Analyzed: 10/04/10 20:51

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.539	0.58		0.025
Propylene	0.545	0.94		0.028
Dichlorodifluoromethane	0.585	2.90		0.012
Chloromethane	0.735	1.52		0.016
Dichlorotetrafluoroethane	0.019	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.021	0.05		0.010
Bromomethane	0.014	0.05		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.274	1.54		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.084	0.29		0.023
Carbon Disulfide	1.13	3.53		0.011
Trichlorotrifluoroethane	0.092	0.71		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	1.17	3.46		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.037	0.18		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.011	0.06	U	0.020
Benzene	0.186	0.60		0.019
Carbon Tetrachloride	0.114	0.72		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.053	0.22		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.486	1.84		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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SUBMITTED: 09/08/10 to 11/02/10

AQS SITE CODE:

PHONE: na

FAX: na

SITE CODE:

Natural Gas Air Quality Study

Description: S5-P-09-25-10

Lab ID: 0092901-05

Sampled: 09/25/10 23:49

Pressure @ Receipt: 13.5" Hg

Canister #: 5000

Received: 09/28/10 16:00

Comments: Site 5

Analyzed: 10/04/10 20:51

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.079	0.37		0.012
Tetrachloroethylene	0.021	0.14		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.075	0.33		0.012
m,p-Xylene	0.198	0.86		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.045	0.19		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.076	0.33		0.010
1,3,5-Trimethylbenzene	0.032	0.16		0.010
1,2,4-Trimethylbenzene	0.074	0.37		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	ND	ND	U	0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

City of Fort Worth
 1000 Throckmorton Street
 Fort Worth, TX 76102-6311
 ATTN: Brain Boerner

FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:

PHONE: na FAX: na

SITE CODE: Natural Gas Air Quality Study

Description: S1-P-09-28-10 Lab ID: 0093008-01 Sampled: 09/28/10 23:49
 Pressure @ Receipt: 7" Hg Canister #: 5125 Received: 09/30/10 14:35
 Comments: Site 1 Analyzed: 10/04/10 21:53

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	1.44	1.54		0.025
Propylene	1.12	1.93		0.028
Dichlorodifluoromethane	0.604	2.99		0.012
Chloromethane	0.625	1.29		0.016
Dichlorotetrafluoroethane	0.019	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.137	0.30		0.010
Bromomethane	0.011	0.04	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.303	1.71		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.291	1.01		0.023
Carbon Disulfide	0.020	0.06		0.011
Trichlorotrifluoroethane	0.091	0.70		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.792	2.34		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.081	0.40		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.012	0.07	U	0.020
Benzene	0.563	1.80		0.019
Carbon Tetrachloride	0.110	0.69		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	0.020	0.11		0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.070	0.29		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	1.50	5.66		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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City of Fort Worth
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 ATTN: Brain Boerner
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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S1-P-09-28-10 Lab ID: 0093008-01 Sampled: 09/28/10 23:49
 Pressure @ Receipt: 7" Hg Canister #: 5125 Received: 09/30/10 14:35
 Comments: Site 1 Analyzed: 10/04/10 21:53

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.165	0.77		0.012
Tetrachloroethylene	0.087	0.59		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.204	0.89		0.012
m,p-Xylene	0.532	2.31		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.095	0.41		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.208	0.91		0.010
1,3,5-Trimethylbenzene	0.075	0.37		0.010
1,2,4-Trimethylbenzene	0.212	1.04		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.063	0.38		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S2-P-09-28-10 Lab ID: 0093008-02 Sampled: 09/28/10 23:49
 Pressure @ Receipt: 7" Hg Canister #: 5044 Received: 09/30/10 14:35
 Comments: Site 2 Analyzed: 10/04/10 22:54

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	1.64	1.75		0.025
Propylene	1.13	1.95		0.028
Dichlorodifluoromethane	0.567	2.81		0.012
Chloromethane	0.655	1.36		0.016
Dichlorotetrafluoroethane	0.018	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.147	0.33		0.010
Bromomethane	0.011	0.04	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.286	1.61		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.379	1.32		0.023
Carbon Disulfide	0.056	0.18		0.011
Trichlorotrifluoroethane	0.088	0.68		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.822	2.43		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.041	0.20		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.019	0.10	U	0.020
Benzene	0.501	1.60		0.019
Carbon Tetrachloride	0.107	0.68		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.096	0.39		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	2.14	8.08		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S2-P-09-28-10 Lab ID: 0093008-02 Sampled: 09/28/10 23:49
 Pressure @ Receipt: 7" Hg Canister #: 5044 Received: 09/30/10 14:35
 Comments: Site 2 Analyzed: 10/04/10 22:54

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.234	1.10		0.012
Tetrachloroethylene	0.117	0.80		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.296	1.29		0.012
m,p-Xylene	0.902	3.92		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.078	0.33		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.303	1.32		0.010
1,3,5-Trimethylbenzene	0.106	0.52		0.010
1,2,4-Trimethylbenzene	0.293	1.44		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.059	0.36		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S3-P-09-28-10 Lab ID: 0093008-03 Sampled: 09/28/10 23:49
 Pressure @ Receipt: 6.5" Hg Canister #: 5103 Received: 09/30/10 14:35
 Comments: Site 3 Analyzed: 10/04/10 23:55

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	1.63	1.74		0.025
Propylene	0.998	1.72		0.028
Dichlorodifluoromethane	0.581	2.88		0.012
Chloromethane	0.573	1.19		0.016
Dichlorotetrafluoroethane	0.018	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.119	0.26		0.010
Bromomethane	0.010	0.04	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.280	1.58		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.165	0.57		0.023
Carbon Disulfide	0.018	0.06		0.011
Trichlorotrifluoroethane	0.088	0.68		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.549	1.62		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.039	0.19		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.012	0.07	U	0.020
Benzene	0.545	1.74		0.019
Carbon Tetrachloride	0.110	0.69		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.060	0.25		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	1.21	4.57		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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City of Fort Worth
 1000 Throckmorton Street
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 ATTN: Brain Boerner
 PHONE: na FAX: na

FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S3-P-09-28-10 Lab ID: 0093008-03 Sampled: 09/28/10 23:49
 Pressure @ Receipt: 6.5" Hg Canister #: 5103 Received: 09/30/10 14:35
 Comments: Site 3 Analyzed: 10/04/10 23:55

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.140	0.66		0.012
Tetrachloroethylene	0.056	0.38		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.170	0.74		0.012
m,p-Xylene	0.473	2.06		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.058	0.25		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.174	0.76		0.010
1,3,5-Trimethylbenzene	0.068	0.34		0.010
1,2,4-Trimethylbenzene	0.193	0.95		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.048	0.29		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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City of Fort Worth
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 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-P-09-28-10 **Lab ID:** 0093008-04 **Sampled:** 09/28/10 23:49
Pressure @ Receipt: 8" Hg **Canister #:** 5149 **Received:** 09/30/10 14:35
Comments: Site 4 **Analyzed:** 10/05/10 00:57

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	2.25	2.40		0.025
Propylene	1.30	2.24		0.028
Dichlorodifluoromethane	0.598	2.96		0.012
Chloromethane	0.580	1.20		0.016
Dichlorotetrafluoroethane	0.021	0.15		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.212	0.47		0.010
Bromomethane	0.011	0.04	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.295	1.66		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.124	0.43		0.023
Carbon Disulfide	0.095	0.30		0.011
Trichlorotrifluoroethane	0.090	0.69		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	1.10	3.25		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.042	0.21		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.013	0.07	U	0.020
Benzene	1.36	4.35		0.019
Carbon Tetrachloride	0.107	0.68		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.132	0.54		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	3.21	12.10		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-P-09-28-10 Lab ID: 0093008-04 Sampled: 09/28/10 23:49
 Pressure @ Receipt: 8" Hg Canister #: 5149 Received: 09/30/10 14:35
 Comments: Site 4 Analyzed: 10/05/10 00:57

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.280	1.31		0.012
Tetrachloroethylene	0.079	0.54		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.353	1.54		0.012
m,p-Xylene	1.07	4.66		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.066	0.28		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.367	1.60		0.010
1,3,5-Trimethylbenzene	0.106	0.52		0.010
1,2,4-Trimethylbenzene	0.325	1.60		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.088	0.53		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S5-P-09-28-10 **Lab ID:** 0093008-05 **Sampled:** 09/28/10 23:49
Pressure @ Receipt: 14" Hg **Canister #:** 5093 **Received:** 09/30/10 14:35
Comments: Site 5 **Analyzed:** 10/05/10 01:58

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.668	0.71		0.025
Propylene	0.391	0.67		0.028
Dichlorodifluoromethane	0.615	3.05		0.012
Chloromethane	0.645	1.33		0.016
Dichlorotetrafluoroethane	0.025	0.18		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.023	0.05		0.010
Bromomethane	0.017	0.07		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.288	1.62		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.087	0.30		0.023
Carbon Disulfide	1.46	4.56		0.011
Trichlorotrifluoroethane	0.107	0.82		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.627	1.85		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.064	0.31		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.016	0.09	U	0.020
Benzene	0.268	0.86		0.019
Carbon Tetrachloride	0.117	0.74		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.041	0.17		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.523	1.97		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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FILE #: 3786.02.002.001

REPORTED: 05/24/11 11:31

SUBMITTED: 09/08/10 to 11/02/10

AQS SITE CODE:

PHONE: na FAX: na

SITE CODE: Natural Gas Air Quality Study

Description: S5-P-09-28-10

Lab ID: 0093008-05

Sampled: 09/28/10 23:49

Pressure @ Receipt: 14" Hg

Canister #: 5093

Received: 09/30/10 14:35

Comments: Site 5

Analyzed: 10/05/10 01:58

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.095	0.45		0.012
Tetrachloroethylene	0.032	0.22		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.079	0.34		0.012
m,p-Xylene	0.226	0.98		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.038	0.16		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.078	0.34		0.010
1,3,5-Trimethylbenzene	0.030	0.15		0.010
1,2,4-Trimethylbenzene	0.060	0.30		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.011	0.07		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

City of Fort Worth
 1000 Throckmorton Street
 Fort Worth, TX 76102-6311
 ATTN: Brain Boerner
 PHONE: na FAX: na

FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S1-P-10-1-10 Lab ID: 0100501-01 Sampled: 10/01/10 23:59
 Pressure @ Receipt: 8" Hg Canister #: 5122 Received: 10/05/10 13:09
 Comments: Site 1 Analyzed: 10/07/10 20:37

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.626	0.67		0.025
Propylene	0.428	0.74		0.028
Dichlorodifluoromethane	0.622	3.08		0.012
Chloromethane	0.625	1.29		0.016
Dichlorotetrafluoroethane	0.018	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.039	0.09		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.292	1.64		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.117	0.41		0.023
Carbon Disulfide	0.010	0.03	U	0.011
Trichlorotrifluoroethane	0.098	0.75		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.400	1.18		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.023	0.11		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.206	0.66		0.019
Carbon Tetrachloride	0.139	0.88		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	ND	ND	U	0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.313	1.18		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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City of Fort Worth
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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S1-P-10-1-10 Lab ID: 0100501-01 Sampled: 10/01/10 23:59
 Pressure @ Receipt: 8" Hg Canister #: 5122 Received: 10/05/10 13:09
 Comments: Site 1 Analyzed: 10/07/10 20:37

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.039	0.18		0.012
Tetrachloroethylene	ND	ND	U	0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.058	0.25		0.012
m,p-Xylene	0.117	0.51		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.025	0.11		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.051	0.22		0.010
1,3,5-Trimethylbenzene	0.026	0.13		0.010
1,2,4-Trimethylbenzene	0.061	0.30		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	ND	ND	U	0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S2-P-10-1-10 Lab ID: 0100501-02 Sampled: 10/01/10 23:59
 Pressure @ Receipt: 7.5" Hg Canister #: 5148 Received: 10/05/10 13:09
 Comments: Site 2 Analyzed: 10/07/10 21:38

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.723	0.77		0.025
Propylene	0.544	0.94		0.028
Dichlorodifluoromethane	0.667	3.31		0.012
Chloromethane	0.670	1.39		0.016
Dichlorotetrafluoroethane	0.019	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.050	0.11		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.317	1.78		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	2.21	7.69		0.023
Carbon Disulfide	0.041	0.13		0.011
Trichlorotrifluoroethane	0.100	0.77		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	2.81	8.30		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.032	0.16		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.034	0.19		0.020
Benzene	0.366	1.17		0.019
Carbon Tetrachloride	0.133	0.84		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.596	2.45		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	11.1	41.90	E	0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S2-P-10-1-10 Lab ID: 0100501-02 Sampled: 10/01/10 23:59
 Pressure @ Receipt: 7.5" Hg Canister #: 5148 Received: 10/05/10 13:09
 Comments: Site 2 Analyzed: 10/07/10 21:38

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.844	3.95		0.012
Tetrachloroethylene	0.134	0.91		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.935	4.07		0.012
m,p-Xylene	3.12	13.60		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.135	0.58		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.940	4.09		0.010
1,3,5-Trimethylbenzene	0.368	1.81		0.010
1,2,4-Trimethylbenzene	1.03	5.07		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	ND	ND	U	0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 REPORTED: 05/24/11 11:31
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 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S3-P-10-1-10 Lab ID: 0100501-03 Sampled: 10/01/10 23:59
 Pressure @ Receipt: 6" Hg Canister #: 5106 Received: 10/05/10 13:09
 Comments: Site 3 Analyzed: 10/07/10 22:38

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.484	0.52		0.025
Propylene	0.376	0.65		0.028
Dichlorodifluoromethane	0.533	2.64		0.012
Chloromethane	0.523	1.08		0.016
Dichlorotetrafluoroethane	0.017	0.12		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.023	0.05		0.010
Bromomethane	0.011	0.04	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.244	1.37		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.204	0.71		0.023
Carbon Disulfide	0.021	0.07		0.011
Trichlorotrifluoroethane	0.084	0.65		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.411	1.21		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.023	0.11		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.211	0.68		0.019
Carbon Tetrachloride	0.104	0.66		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.029	0.12		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.380	1.43		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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City of Fort Worth
 1000 Throckmorton Street
 Fort Worth, TX 76102-6311
 ATTN: Brain Boerner
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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S3-P-10-1-10 Lab ID: 0100501-03 Sampled: 10/01/10 23:59
 Pressure @ Receipt: 6" Hg Canister #: 5106 Received: 10/05/10 13:09
 Comments: Site 3 Analyzed: 10/07/10 22:38

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.039	0.18		0.012
Tetrachloroethylene	ND	ND	U	0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.060	0.26		0.012
m,p-Xylene	0.132	0.57		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.035	0.15		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.052	0.23		0.010
1,3,5-Trimethylbenzene	0.019	0.09		0.010
1,2,4-Trimethylbenzene	0.051	0.25		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.015	0.09		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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City of Fort Worth
 1000 Throckmorton Street
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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-P-10-1-10 **Lab ID:** 0100501-04 **Sampled:** 10/01/10 23:59
Pressure @ Receipt: 9" Hg **Canister #:** 5025 **Received:** 10/05/10 13:09
Comments: Site 4 **Analyzed:** 10/08/10 13:39

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.738	0.79		0.025
Propylene	0.630	1.09		0.028
Dichlorodifluoromethane	0.564	2.80		0.012
Chloromethane	0.572	1.18		0.016
Dichlorotetrafluoroethane	0.017	0.12		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.096	0.21		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.262	1.48		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.082	0.29		0.023
Carbon Disulfide	0.118	0.37		0.011
Trichlorotrifluoroethane	0.085	0.65		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.819	2.42		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.021	0.10		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	1.07	3.43		0.019
Carbon Tetrachloride	0.104	0.66		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.098	0.40		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	2.14	8.08		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-P-10-1-10 Lab ID: 0100501-04 Sampled: 10/01/10 23:59
 Pressure @ Receipt: 9" Hg Canister #: 5025 Received: 10/05/10 13:09
 Comments: Site 4 Analyzed: 10/08/10 13:39

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.149	0.70		0.012
Tetrachloroethylene	0.053	0.36		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.250	1.09		0.012
m,p-Xylene	0.712	3.10		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.031	0.13		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.246	1.07		0.010
1,3,5-Trimethylbenzene	0.062	0.31		0.010
1,2,4-Trimethylbenzene	0.190	0.94		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.020	0.12		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:

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SITE CODE: Natural Gas Air Quality Study

Description: S5-P-10-1-10 **Lab ID:** 0100501-05 **Sampled:** 10/01/10 23:59
Pressure @ Receipt: 15" Hg **Canister #:** 5132 **Received:** 10/05/10 13:09
Comments: Site 5 **Analyzed:** 10/08/10 14:40

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.495	0.53		0.025
Propylene	0.321	0.55		0.028
Dichlorodifluoromethane	0.557	2.76		0.012
Chloromethane	0.584	1.21		0.016
Dichlorotetrafluoroethane	0.017	0.12		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.016	0.04		0.010
Bromomethane	0.010	0.04	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.260	1.46		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.102	0.36		0.023
Carbon Disulfide	1.64	5.12		0.011
Trichlorotrifluoroethane	0.087	0.67		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.452	1.34		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.032	0.16		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.179	0.57		0.019
Carbon Tetrachloride	0.105	0.66		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	ND	ND	U	0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.329	1.24		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S5-P-10-1-10 Lab ID: 0100501-05 Sampled: 10/01/10 23:59
 Pressure @ Receipt: 15" Hg Canister #: 5132 Received: 10/05/10 13:09
 Comments: Site 5 Analyzed: 10/08/10 14:40

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.060	0.28		0.012
Tetrachloroethylene	ND	ND	U	0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.054	0.24		0.012
m,p-Xylene	0.139	0.61		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.025	0.11		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.050	0.22		0.010
1,3,5-Trimethylbenzene	0.018	0.09		0.010
1,2,4-Trimethylbenzene	0.037	0.18		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	ND	ND	U	0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

City of Fort Worth
 1000 Throckmorton Street
 Fort Worth, TX 76102-6311
 ATTN: Brain Boerner
 PHONE: na FAX: na

FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S1-P-10-4-10 **Lab ID:** 0100601-01 **Sampled:** 10/04/10 23:59
Pressure @ Receipt: 7" Hg **Canister #:** 5087 **Received:** 10/06/10 10:58
Comments: Site 1 **Analyzed:** 10/08/10 15:41

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.565	0.60		0.025
Propylene	0.431	0.74		0.028
Dichlorodifluoromethane	0.615	3.05		0.012
Chloromethane	0.593	1.23		0.016
Dichlorotetrafluoroethane	0.018	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.034	0.08		0.010
Bromomethane	0.014	0.05		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.334	1.88		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.105	0.37		0.023
Carbon Disulfide	0.021	0.07		0.011
Trichlorotrifluoroethane	0.092	0.71		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.396	1.17		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.026	0.13		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.188	0.60		0.019
Carbon Tetrachloride	0.112	0.71		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.024	0.10		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.389	1.47		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S1-P-10-4-10 Lab ID: 0100601-01 Sampled: 10/04/10 23:59
 Pressure @ Receipt: 7" Hg Canister #: 5087 Received: 10/06/10 10:58
 Comments: Site 1 Analyzed: 10/08/10 15:41

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.033	0.15		0.012
Tetrachloroethylene	0.030	0.20		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.056	0.24		0.012
m,p-Xylene	0.118	0.51		0.014
Bromoform	ND	ND	U	0.011
Styrene	ND	ND	U	0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.047	0.21		0.010
1,3,5-Trimethylbenzene	0.014	0.07		0.010
1,2,4-Trimethylbenzene	0.038	0.19		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.016	0.10		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:

PHONE: na FAX: na

SITE CODE: Natural Gas Air Quality Study

Description: S2-P-10-4-10 Lab ID: 0100601-02 Sampled: 10/04/10 23:59
 Pressure @ Receipt: 5.5" Hg Canister #: 5111 Received: 10/06/10 10:58
 Comments: Site 2 Analyzed: 10/08/10 16:42

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.678	0.72		0.025
Propylene	0.475	0.82		0.028
Dichlorodifluoromethane	0.609	3.02		0.012
Chloromethane	0.601	1.24		0.016
Dichlorotetrafluoroethane	0.018	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.048	0.11		0.010
Bromomethane	0.012	0.05	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.292	1.64		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.488	1.70		0.023
Carbon Disulfide	0.010	0.03	U	0.011
Trichlorotrifluoroethane	0.093	0.71		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.435	1.29		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.028	0.14		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.025	0.14		0.020
Benzene	0.227	0.73		0.019
Carbon Tetrachloride	0.111	0.70		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.081	0.33		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.932	3.52		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S2-P-10-4-10 Lab ID: 0100601-02 Sampled: 10/04/10 23:59
 Pressure @ Receipt: 5.5" Hg Canister #: 5111 Received: 10/06/10 10:58
 Comments: Site 2 Analyzed: 10/08/10 16:42

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.093	0.44		0.012
Tetrachloroethylene	0.044	0.30		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.137	0.60		0.012
m,p-Xylene	0.383	1.67		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.029	0.12		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.139	0.61		0.010
1,3,5-Trimethylbenzene	0.072	0.36		0.010
1,2,4-Trimethylbenzene	0.181	0.89		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.024	0.15		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:

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SITE CODE: Natural Gas Air Quality Study

Description: S3-P-10-4-10 **Lab ID:** 0100601-03 **Sampled:** 10/04/10 23:59
Pressure @ Receipt: 5" Hg **Canister #:** 5001 **Received:** 10/06/10 10:58
Comments: Site 3 **Analyzed:** 10/08/10 17:43

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.604	0.65		0.025
Propylene	0.476	0.82		0.028
Dichlorodifluoromethane	0.597	2.96		0.012
Chloromethane	0.607	1.26		0.016
Dichlorotetrafluoroethane	0.018	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.033	0.07		0.010
Bromomethane	0.013	0.05		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.278	1.57		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.213	0.74		0.023
Carbon Disulfide	0.022	0.07		0.011
Trichlorotrifluoroethane	0.092	0.71		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.717	2.12		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.028	0.14		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.201	0.64		0.019
Carbon Tetrachloride	0.113	0.71		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.028	0.12		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.320	1.21		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

City of Fort Worth
 1000 Throckmorton Street
 Fort Worth, TX 76102-6311
 ATTN: Brain Boerner
 PHONE: na FAX: na

FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S3-P-10-4-10 Lab ID: 0100601-03 Sampled: 10/04/10 23:59
 Pressure @ Receipt: 5" Hg Canister #: 5001 Received: 10/06/10 10:58
 Comments: Site 3 Analyzed: 10/08/10 17:43

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.035	0.16		0.012
Tetrachloroethylene	0.020	0.14		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.052	0.23		0.012
m,p-Xylene	0.120	0.52		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.018	0.08		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.048	0.21		0.010
1,3,5-Trimethylbenzene	0.018	0.09		0.010
1,2,4-Trimethylbenzene	0.048	0.24		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.018	0.11		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

City of Fort Worth
 1000 Throckmorton Street
 Fort Worth, TX 76102-6311
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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-D-10-4-10 **Lab ID:** 0100601-04 **Sampled:** 10/04/10 23:59
Pressure @ Receipt: 9.5" Hg **Canister #:** 5017 **Received:** 10/06/10 10:58
Comments: Dup2 Site 4 **Analyzed:** 10/07/10 13:29

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.966	1.03		0.025
Propylene	0.674	1.16		0.028
Dichlorodifluoromethane	0.590	2.92		0.012
Chloromethane	0.595	1.23		0.016
Dichlorotetrafluoroethane	0.018	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.071	0.16		0.010
Bromomethane	0.012	0.05	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.281	1.58		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.138	0.48		0.023
Carbon Disulfide	0.055	0.17		0.011
Trichlorotrifluoroethane	0.090	0.69		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.429	1.27		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.026	0.13		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.662	2.12		0.019
Carbon Tetrachloride	0.108	0.68		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.062	0.26		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	1.32	4.98		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

City of Fort Worth
 1000 Throckmorton Street
 Fort Worth, TX 76102-6311
 ATTN: Brain Boerner
 PHONE: na FAX: na

FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-D-10-4-10 **Lab ID:** 0100601-04 **Sampled:** 10/04/10 23:59
Pressure @ Receipt: 9.5" Hg **Canister #:** 5017 **Received:** 10/06/10 10:58
Comments: Dup2 Site 4 **Analyzed:** 10/07/10 13:29

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m³		ppbv
n-Octane	0.089	0.42		0.012
Tetrachloroethylene	0.037	0.25		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.156	0.68		0.012
m,p-Xylene	0.424	1.84		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.039	0.17		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.152	0.66		0.010
1,3,5-Trimethylbenzene	0.046	0.23		0.010
1,2,4-Trimethylbenzene	0.128	0.63		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.031	0.19		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

City of Fort Worth
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 REPORTED: 05/24/11 11:31
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 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-P-10-4-10 **Lab ID:** 0100601-05 **Sampled:** 10/04/10 23:59
Pressure @ Receipt: 9.5" Hg **Canister #:** 5064 **Received:** 10/06/10 10:58
Comments: Dup1 Site 4 **Analyzed:** 10/07/10 12:27

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.927	0.99		0.025
Propylene	0.657	1.13		0.028
Dichlorodifluoromethane	0.574	2.84		0.012
Chloromethane	0.576	1.19		0.016
Dichlorotetrafluoroethane	0.018	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.067	0.15		0.010
Bromomethane	0.011	0.04	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.270	1.52		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.140	0.49		0.023
Carbon Disulfide	0.056	0.18		0.011
Trichlorotrifluoroethane	0.086	0.66		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.344	1.02		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.025	0.12		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.648	2.07		0.019
Carbon Tetrachloride	0.105	0.66		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.057	0.23		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	1.30	4.91		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

City of Fort Worth
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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-P-10-4-10 Lab ID: 0100601-05 Sampled: 10/04/10 23:59
 Pressure @ Receipt: 9.5" Hg Canister #: 5064 Received: 10/06/10 10:58
 Comments: Dup1 Site 4 Analyzed: 10/07/10 12:27

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.087	0.41		0.012
Tetrachloroethylene	0.033	0.22		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.153	0.67		0.012
m,p-Xylene	0.407	1.77		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.036	0.15		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.143	0.62		0.010
1,3,5-Trimethylbenzene	0.039	0.19		0.010
1,2,4-Trimethylbenzene	0.107	0.53		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.024	0.15		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

City of Fort Worth
 1000 Throckmorton Street
 Fort Worth, TX 76102-6311
 ATTN: Brain Boerner
 PHONE: na FAX: na

FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S5-P-10-4-10 **Lab ID:** 0100601-06 **Sampled:** 10/04/10 23:59
Pressure @ Receipt: 11.5" Hg **Canister #:** 5114 **Received:** 10/06/10 10:58
Comments: Dup1 Site 5 **Analyzed:** 10/07/10 16:35

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.526	0.56		0.025
Propylene	0.294	0.51		0.028
Dichlorodifluoromethane	0.550	2.73		0.012
Chloromethane	0.541	1.12		0.016
Dichlorotetrafluoroethane	0.016	0.11		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.016	0.04		0.010
Bromomethane	0.011	0.04	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.260	1.46		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.093	0.32		0.023
Carbon Disulfide	0.555	1.73		0.011
Trichlorotrifluoroethane	0.087	0.67		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.198	0.59		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.026	0.13		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.178	0.57		0.019
Carbon Tetrachloride	0.104	0.66		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	ND	ND	U	0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.339	1.28		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S5-P-10-4-10 Lab ID: 0100601-06 Sampled: 10/04/10 23:59
 Pressure @ Receipt: 11.5" Hg Canister #: 5114 Received: 10/06/10 10:58
 Comments: Dup1 Site 5 Analyzed: 10/07/10 16:35

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.042	0.20		0.012
Tetrachloroethylene	ND	ND	U	0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.048	0.21		0.012
m,p-Xylene	0.114	0.50		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.027	0.12		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.046	0.20		0.010
1,3,5-Trimethylbenzene	0.019	0.09		0.010
1,2,4-Trimethylbenzene	0.041	0.20		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	ND	ND	U	0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S5-D-10-4-10 **Lab ID:** 0100601-07 **Sampled:** 10/04/10 23:59
Pressure @ Receipt: 11.5" Hg **Canister #:** 5051 **Received:** 10/06/10 10:58
Comments: Dup2 Site 5 **Analyzed:** 10/08/10 11:37

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.484	0.52		0.025
Propylene	0.353	0.61		0.028
Dichlorodifluoromethane	0.573	2.84		0.012
Chloromethane	0.569	1.18		0.016
Dichlorotetrafluoroethane	0.017	0.12		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.018	0.04		0.010
Bromomethane	0.011	0.04	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.269	1.51		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.099	0.35		0.023
Carbon Disulfide	0.556	1.73		0.011
Trichlorotrifluoroethane	0.088	0.68		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.361	1.07		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.025	0.12		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.172	0.55		0.019
Carbon Tetrachloride	0.104	0.66		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	ND	ND	U	0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.345	1.30		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S5-D-10-4-10 **Lab ID:** 0100601-07 **Sampled:** 10/04/10 23:59
Pressure @ Receipt: 11.5" Hg **Canister #:** 5051 **Received:** 10/06/10 10:58
Comments: Dup2 Site 5 **Analyzed:** 10/08/10 11:37

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
n-Octane	0.040	0.19		0.012
Tetrachloroethylene	0.017	0.12		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.045	0.20		0.012
m,p-Xylene	0.100	0.44		0.014
Bromoform	ND	ND	U	0.011
Styrene	ND	ND	U	0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.038	0.17		0.010
1,3,5-Trimethylbenzene	ND	ND	U	0.010
1,2,4-Trimethylbenzene	0.020	0.10		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	ND	ND	U	0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S1-P-10-7-10 Lab ID: 0101208-01 Sampled: 10/07/10 23:59
 Pressure @ Receipt: 6" Hg Canister #: 5136 Received: 10/12/10 10:29
 Comments: Site 1 Analyzed: 10/12/10 16:31

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	1.36	1.45		0.025
Propylene	1.01	1.74		0.028
Dichlorodifluoromethane	0.586	2.90		0.012
Chloromethane	0.615	1.27		0.016
Dichlorotetrafluoroethane	0.018	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.112	0.25		0.010
Bromomethane	0.012	0.05	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.298	1.68		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.399	1.39		0.023
Carbon Disulfide	0.026	0.08		0.011
Trichlorotrifluoroethane	0.088	0.68		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.769	2.27		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.105	0.51		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.012	0.07	U	0.020
Benzene	0.469	1.50		0.019
Carbon Tetrachloride	0.107	0.68		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	0.047	0.32		0.021
Trichloroethylene	0.049	0.26		0.017
Methyl Methacrylate	0.175	0.72		0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.090	0.37		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	1.61	6.08		0.013
Dibromochloromethane	0.017	0.15		0.011
1,2-Dibromoethane	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

City of Fort Worth
 1000 Throckmorton Street
 Fort Worth, TX 76102-6311
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 PHONE: na FAX: na

FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S1-P-10-7-10 **Lab ID:** 0101208-01 **Sampled:** 10/07/10 23:59
Pressure @ Receipt: 6" Hg **Canister #:** 5136 **Received:** 10/12/10 10:29
Comments: Site 1 **Analyzed:** 10/12/10 16:31

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m³		ppbv
n-Octane	0.116	0.54		0.012
Tetrachloroethylene	0.109	0.74		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.197	0.86		0.012
m,p-Xylene	0.507	2.21		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.758	3.24		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.190	0.83		0.010
1,3,5-Trimethylbenzene	0.063	0.31		0.010
1,2,4-Trimethylbenzene	0.188	0.93		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.046	0.28		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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City of Fort Worth
 1000 Throckmorton Street
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FILE #: 3786.02.002.001

REPORTED: 05/24/11 11:31

SUBMITTED: 09/08/10 to 11/02/10

AQS SITE CODE:

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FAX: na

SITE CODE:

Natural Gas Air Quality Study

Description: S2-P-10-7-10

Lab ID: 0101208-02

Sampled: 10/07/10 23:59

Pressure @ Receipt: 7.5" Hg

Canister #: 5141

Received: 10/12/10 10:29

Comments: Site 2

Analyzed: 10/12/10 17:33

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	1.32	1.41		0.025
Propylene	1.04	1.79		0.028
Dichlorodifluoromethane	0.628	3.11		0.012
Chloromethane	0.660	1.37		0.016
Dichlorotetrafluoroethane	0.020	0.14		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.128	0.28		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.303	1.71		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.246	0.86		0.023
Carbon Disulfide	0.016	0.05		0.011
Trichlorotrifluoroethane	0.096	0.74		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.880	2.60		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.027	0.13		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.030	0.16		0.020
Benzene	0.422	1.35		0.019
Carbon Tetrachloride	0.118	0.74		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	0.026	0.14		0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.171	0.70		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	1.39	5.25		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S2-P-10-7-10 Lab ID: 0101208-02 Sampled: 10/07/10 23:59
 Pressure @ Receipt: 7.5" Hg Canister #: 5141 Received: 10/12/10 10:29
 Comments: Site 2 Analyzed: 10/12/10 17:33

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.171	0.80		0.012
Tetrachloroethylene	0.153	1.04		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.235	1.02		0.012
m,p-Xylene	0.709	3.09		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.043	0.18		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.247	1.07		0.010
1,3,5-Trimethylbenzene	0.083	0.41		0.010
1,2,4-Trimethylbenzene	0.234	1.15		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.034	0.21		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:

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SITE CODE: Natural Gas Air Quality Study

Description: S3-P-10-7-10 **Lab ID:** 0101208-03 **Sampled:** 10/07/10 23:59
Pressure @ Receipt: 7.5" Hg **Canister #:** 5027 **Received:** 10/12/10 10:29
Comments: Site 3 **Analyzed:** 10/12/10 18:34

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	1.66	1.77		0.025
Propylene	1.05	1.81		0.028
Dichlorodifluoromethane	0.588	2.91		0.012
Chloromethane	0.646	1.34		0.016
Dichlorotetrafluoroethane	0.018	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.123	0.27		0.010
Bromomethane	0.013	0.05		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.290	1.63		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.249	0.87		0.023
Carbon Disulfide	0.054	0.17		0.011
Trichlorotrifluoroethane	0.089	0.68		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.561	1.66		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.043	0.21		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.013	0.07	U	0.020
Benzene	0.636	2.04		0.019
Carbon Tetrachloride	0.113	0.71		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	0.014	0.08	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.055	0.23		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	1.31	4.95		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
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 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S3-P-10-7-10 Lab ID: 0101208-03 Sampled: 10/07/10 23:59
 Pressure @ Receipt: 7.5" Hg Canister #: 5027 Received: 10/12/10 10:29
 Comments: Site 3 Analyzed: 10/12/10 18:34

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.085	0.40		0.012
Tetrachloroethylene	0.045	0.31		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.159	0.69		0.012
m,p-Xylene	0.412	1.79		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.029	0.12		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.153	0.67		0.010
1,3,5-Trimethylbenzene	0.043	0.21		0.010
1,2,4-Trimethylbenzene	0.126	0.62		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.056	0.34		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

City of Fort Worth
 1000 Throckmorton Street
 Fort Worth, TX 76102-6311
 ATTN: Brain Boerner
 PHONE: na FAX: na

FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-P-10-7-10 **Lab ID:** 0101208-04 **Sampled:** 10/07/10 23:59
Pressure @ Receipt: 11" Hg **Canister #:** 5094 **Received:** 10/12/10 10:29
Comments: Site 4 **Analyzed:** 10/12/10 19:35

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	3.57	3.81		0.025
Propylene	2.38	4.10		0.028
Dichlorodifluoromethane	0.628	3.11		0.012
Chloromethane	0.606	1.25		0.016
Dichlorotetrafluoroethane	0.020	0.14		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.304	0.67		0.010
Bromomethane	0.013	0.05		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.293	1.65		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.326	1.13		0.023
Carbon Disulfide	0.120	0.37		0.011
Trichlorotrifluoroethane	0.085	0.65		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.973	2.88		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.046	0.23		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.015	0.08	U	0.020
Benzene	1.83	5.86		0.019
Carbon Tetrachloride	0.100	0.63		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.199	0.82		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	5.13	19.40		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-P-10-7-10 **Lab ID:** 0101208-04 **Sampled:** 10/07/10 23:59
Pressure @ Receipt: 11" Hg **Canister #:** 5094 **Received:** 10/12/10 10:29
Comments: Site 4 **Analyzed:** 10/12/10 19:35

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
n-Octane	0.414	1.94		0.012
Tetrachloroethylene	0.116	0.79		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.600	2.61		0.012
m,p-Xylene	2.01	8.75		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.106	0.45		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.680	2.96		0.010
1,3,5-Trimethylbenzene	0.211	1.04		0.010
1,2,4-Trimethylbenzene	0.648	3.19		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.144	0.87		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S5-P-10-7-10 **Lab ID:** 0101208-05 **Sampled:** 10/07/10 23:59
Pressure @ Receipt: 14.5" Hg **Canister #:** 5019 **Received:** 10/12/10 10:29
Comments: Site 5 **Analyzed:** 10/12/10 20:37

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.901	0.96		0.025
Propylene	0.582	1.00		0.028
Dichlorodifluoromethane	0.597	2.96		0.012
Chloromethane	0.654	1.35		0.016
Dichlorotetrafluoroethane	0.018	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.044	0.10		0.010
Bromomethane	0.014	0.05		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.281	1.58		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.132	0.46		0.023
Carbon Disulfide	1.08	3.37		0.011
Trichlorotrifluoroethane	0.092	0.71		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.648	1.92		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.038	0.19		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.010	0.05	U	0.020
Benzene	0.317	1.01		0.019
Carbon Tetrachloride	0.111	0.70		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.033	0.14		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.682	2.58		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S5-P-10-7-10 Lab ID: 0101208-05 Sampled: 10/07/10 23:59
 Pressure @ Receipt: 14.5" Hg Canister #: 5019 Received: 10/12/10 10:29
 Comments: Site 5 Analyzed: 10/12/10 20:37

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.076	0.36		0.012
Tetrachloroethylene	0.054	0.37		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.093	0.41		0.012
m,p-Xylene	0.261	1.14		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.110	0.47		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.093	0.41		0.010
1,3,5-Trimethylbenzene	0.029	0.14		0.010
1,2,4-Trimethylbenzene	0.074	0.37		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.014	0.08		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:

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SITE CODE: Natural Gas Air Quality Study

Description: S1-P-10-10-10 **Lab ID:** 0101208-08 **Sampled:** 10/10/10 23:59
Pressure @ Receipt: 6.5" Hg **Canister #:** 5007 **Received:** 10/12/10 10:29
Comments: Site 1 **Analyzed:** 10/12/10 21:38

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.411	0.44		0.025
Propylene	0.308	0.53		0.028
Dichlorodifluoromethane	0.575	2.85		0.012
Chloromethane	0.624	1.29		0.016
Dichlorotetrafluoroethane	0.018	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.019	0.04		0.010
Bromomethane	0.011	0.04	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.273	1.54		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.095	0.33		0.023
Carbon Disulfide	0.013	0.04		0.011
Trichlorotrifluoroethane	0.091	0.70		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.514	1.52		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.032	0.16		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.010	0.05	U	0.020
Benzene	0.139	0.45		0.019
Carbon Tetrachloride	0.120	0.76		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	0.031	0.13		0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.021	0.09		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.286	1.08		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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City of Fort Worth
 1000 Throckmorton Street
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 ATTN: Brain Boerner
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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S1-P-10-10-10 Lab ID: 0101208-08 Sampled: 10/10/10 23:59
 Pressure @ Receipt: 6.5" Hg Canister #: 5007 Received: 10/12/10 10:29
 Comments: Site 1 Analyzed: 10/12/10 21:38

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.026	0.12		0.012
Tetrachloroethylene	ND	ND	U	0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.034	0.15		0.012
m,p-Xylene	0.072	0.31		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.070	0.30		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.029	0.13		0.010
1,3,5-Trimethylbenzene	0.012	0.06		0.010
1,2,4-Trimethylbenzene	0.031	0.15		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.013	0.08		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 REPORTED: 05/24/11 11:31
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 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S2-P-10-10-10 Lab ID: 0101208-09 Sampled: 10/10/10 23:59
 Pressure @ Receipt: 6.5" Hg Canister #: 5018 Received: 10/12/10 10:29
 Comments: Site 2 Analyzed: 10/12/10 22:40

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.466	0.50		0.025
Propylene	0.398	0.69		0.028
Dichlorodifluoromethane	0.600	2.97		0.012
Chloromethane	0.662	1.37		0.016
Dichlorotetrafluoroethane	0.019	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.038	0.08		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.281	1.58		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.096	0.33		0.023
Carbon Disulfide	0.012	0.04		0.011
Trichlorotrifluoroethane	0.095	0.73		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.406	1.20		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.018	0.09		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.019	0.10	U	0.020
Benzene	0.205	0.66		0.019
Carbon Tetrachloride	0.124	0.78		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	ND	ND	U	0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.295	1.11		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

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 REPORTED: 05/24/11 11:31
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 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S2-P-10-10-10 Lab ID: 0101208-09 Sampled: 10/10/10 23:59
 Pressure @ Receipt: 6.5" Hg Canister #: 5018 Received: 10/12/10 10:29
 Comments: Site 2 Analyzed: 10/12/10 22:40

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.044	0.21		0.012
Tetrachloroethylene	0.012	0.08		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.051	0.22		0.012
m,p-Xylene	0.143	0.62		0.014
Bromoform	ND	ND	U	0.011
Styrene	ND	ND	U	0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.057	0.25		0.010
1,3,5-Trimethylbenzene	0.024	0.12		0.010
1,2,4-Trimethylbenzene	0.063	0.31		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.014	0.08		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S3-P-10-10-10 **Lab ID:** 0101208-10 **Sampled:** 10/10/10 23:59
Pressure @ Receipt: 8" Hg **Canister #:** 5035 **Received:** 10/12/10 10:29
Comments: Site 3 **Analyzed:** 10/12/10 23:41

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.252	0.27		0.025
Propylene	0.219	0.38		0.028
Dichlorodifluoromethane	0.583	2.89		0.012
Chloromethane	0.626	1.30		0.016
Dichlorotetrafluoroethane	0.018	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	ND	ND	U	0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.274	1.54		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.115	0.40		0.023
Carbon Disulfide	0.030	0.09		0.011
Trichlorotrifluoroethane	0.091	0.70		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.366	1.08		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.016	0.08	U	0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.010	0.05	U	0.020
Benzene	0.157	0.50		0.019
Carbon Tetrachloride	0.121	0.76		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	0.013	0.07	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.027	0.11		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.195	0.74		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
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 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S3-P-10-10-10 **Lab ID:** 0101208-10 **Sampled:** 10/10/10 23:59
Pressure @ Receipt: 8" Hg **Canister #:** 5035 **Received:** 10/12/10 10:29
Comments: Site 3 **Analyzed:** 10/12/10 23:41

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m³		ppbv
n-Octane	0.069	0.32		0.012
Tetrachloroethylene	ND	ND	U	0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.035	0.15		0.012
m,p-Xylene	0.087	0.38		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.016	0.07		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.029	0.13		0.010
1,3,5-Trimethylbenzene	0.014	0.07		0.010
1,2,4-Trimethylbenzene	0.029	0.14		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.011	0.07		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

City of Fort Worth
 1000 Throckmorton Street
 Fort Worth, TX 76102-6311
 ATTN: Brain Boerner
 PHONE: na FAX: na

FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-P-10-10-10 **Lab ID:** 0101208-11 **Sampled:** 10/10/10 23:59
Pressure @ Receipt: 9" Hg **Canister #:** 5010 **Received:** 10/12/10 10:29
Comments: Site 4 **Analyzed:** 10/13/10 00:41

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.622	0.66		0.025
Propylene	0.457	0.79		0.028
Dichlorodifluoromethane	0.594	2.94		0.012
Chloromethane	0.646	1.34		0.016
Dichlorotetrafluoroethane	0.019	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.049	0.11		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.284	1.60		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.086	0.30		0.023
Carbon Disulfide	0.116	0.36		0.011
Trichlorotrifluoroethane	0.092	0.71		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.452	1.34		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.021	0.10		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.702	2.25		0.019
Carbon Tetrachloride	0.115	0.73		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.067	0.28		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	1.71	6.46		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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City of Fort Worth
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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-P-10-10-10 Lab ID: 0101208-11 Sampled: 10/10/10 23:59
 Pressure @ Receipt: 9" Hg Canister #: 5010 Received: 10/12/10 10:29
 Comments: Site 4 Analyzed: 10/13/10 00:41

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.205	0.96		0.012
Tetrachloroethylene	0.018	0.12		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.266	1.16		0.012
m,p-Xylene	0.829	3.61		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.025	0.11		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.299	1.30		0.010
1,3,5-Trimethylbenzene	0.078	0.38		0.010
1,2,4-Trimethylbenzene	0.233	1.15		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.040	0.24		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	0.034	0.25		0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S5-P-10-10-10 Lab ID: 0101208-12 Sampled: 10/10/10 23:59
 Pressure @ Receipt: 14.5" Hg Canister #: 5135 Received: 10/12/10 10:29
 Comments: Site 5 Analyzed: 10/13/10 01:43

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.474	0.51		0.025
Propylene	0.340	0.59		0.028
Dichlorodifluoromethane	0.554	2.75		0.012
Chloromethane	0.646	1.34		0.016
Dichlorotetrafluoroethane	0.017	0.12		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.019	0.04		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.264	1.49		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.080	0.28		0.023
Carbon Disulfide	1.01	3.15		0.011
Trichlorotrifluoroethane	0.089	0.68		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.406	1.20		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.022	0.11		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.195	0.62		0.019
Carbon Tetrachloride	0.114	0.72		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	ND	ND	U	0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.321	1.21		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S5-P-10-10-10 Lab ID: 0101208-12 Sampled: 10/10/10 23:59
 Pressure @ Receipt: 14.5" Hg Canister #: 5135 Received: 10/12/10 10:29
 Comments: Site 5 Analyzed: 10/13/10 01:43

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.049	0.23		0.012
Tetrachloroethylene	ND	ND	U	0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.051	0.22		0.012
m,p-Xylene	0.132	0.57		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.024	0.10		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.051	0.22		0.010
1,3,5-Trimethylbenzene	0.019	0.09		0.010
1,2,4-Trimethylbenzene	0.045	0.22		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.014	0.08		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S1-P-10-13-10 Lab ID: 0101514-01 Sampled: 10/13/10 23:59
 Pressure @ Receipt: 7.5" Hg Canister #: 5034 Received: 10/15/10 10:47
 Comments: Site 1 Analyzed: 10/18/10 21:14

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.454	0.49		0.025
Propylene	0.337	0.58		0.028
Dichlorodifluoromethane	0.582	2.88		0.012
Chloromethane	0.629	1.30		0.016
Dichlorotetrafluoroethane	0.019	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.026	0.06		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.276	1.55		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.410	1.43		0.023
Carbon Disulfide	0.035	0.11		0.011
Trichlorotrifluoroethane	0.092	0.71		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.496	1.47		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.029	0.14		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.208	0.67		0.019
Carbon Tetrachloride	0.114	0.72		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	ND	ND	U	0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.286	1.08		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

City of Fort Worth
 1000 Throckmorton Street
 Fort Worth, TX 76102-6311
 ATTN: Brain Boerner
 PHONE: na FAX: na

FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S1-P-10-13-10 **Lab ID:** 0101514-01 **Sampled:** 10/13/10 23:59
Pressure @ Receipt: 7.5" Hg **Canister #:** 5034 **Received:** 10/15/10 10:47
Comments: Site 1 **Analyzed:** 10/18/10 21:14

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
n-Octane	0.074	0.35		0.012
Tetrachloroethylene	0.019	0.13		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.049	0.21		0.012
m,p-Xylene	0.114	0.50		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.023	0.10		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.046	0.20		0.010
1,3,5-Trimethylbenzene	0.021	0.10		0.010
1,2,4-Trimethylbenzene	0.048	0.24		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.024	0.15		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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City of Fort Worth
 1000 Throckmorton Street
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 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S2-P-10-13-10 Lab ID: 0101514-02 Sampled: 10/13/10 23:59
 Pressure @ Receipt: 6.5" Hg Canister #: 5016 Received: 10/15/10 10:47
 Comments: Site 2 Analyzed: 10/18/10 22:14

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.523	0.56		0.025
Propylene	0.381	0.66		0.028
Dichlorodifluoromethane	0.604	2.99		0.012
Chloromethane	0.659	1.36		0.016
Dichlorotetrafluoroethane	0.018	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.028	0.06		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.281	1.58		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.311	1.08		0.023
Carbon Disulfide	0.011	0.03		0.011
Trichlorotrifluoroethane	0.094	0.72		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	1.49	4.40		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.022	0.11		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.118	0.65		0.020
Benzene	0.338	1.08		0.019
Carbon Tetrachloride	0.115	0.73		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.309	1.27		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	12.6	47.60	E	0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

City of Fort Worth
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 ATTN: Brain Boerner
 PHONE: na FAX: na

FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S2-P-10-13-10 Lab ID: 0101514-02 Sampled: 10/13/10 23:59
 Pressure @ Receipt: 6.5" Hg Canister #: 5016 Received: 10/15/10 10:47
 Comments: Site 2 Analyzed: 10/18/10 22:14

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.435	2.04		0.012
Tetrachloroethylene	0.029	0.20		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.756	3.29		0.012
m,p-Xylene	2.49	10.80		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.051	0.22		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.693	3.02		0.010
1,3,5-Trimethylbenzene	0.116	0.57		0.010
1,2,4-Trimethylbenzene	0.318	1.57		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.028	0.17		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:

PHONE: na FAX: na

SITE CODE: Natural Gas Air Quality Study

Description: S3-P-10-13-10 **Lab ID:** 0101514-03 **Sampled:** 10/13/10 23:59
Pressure @ Receipt: 7.5" Hg **Canister #:** 5146 **Received:** 10/15/10 10:47
Comments: Site 3 **Analyzed:** 10/18/10 23:15

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.334	0.36		0.025
Propylene	0.208	0.36		0.028
Dichlorodifluoromethane	0.609	3.02		0.012
Chloromethane	0.625	1.29		0.016
Dichlorotetrafluoroethane	0.020	0.14		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	ND	ND	U	0.010
Bromomethane	0.014	0.05		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.286	1.61		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.097	0.34		0.023
Carbon Disulfide	0.014	0.04		0.011
Trichlorotrifluoroethane	0.098	0.75		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.280	0.83		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.018	0.09		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.165	0.53		0.019
Carbon Tetrachloride	0.122	0.77		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	ND	ND	U	0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.198	0.75		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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 REPORTED: 05/24/11 11:31
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 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S3-P-10-13-10 Lab ID: 0101514-03 Sampled: 10/13/10 23:59
 Pressure @ Receipt: 7.5" Hg Canister #: 5146 Received: 10/15/10 10:47
 Comments: Site 3 Analyzed: 10/18/10 23:15

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.090	0.42		0.012
Tetrachloroethylene	0.014	0.10		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.035	0.15		0.012
m,p-Xylene	0.086	0.37		0.014
Bromoform	ND	ND	U	0.011
Styrene	ND	ND	U	0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.032	0.14		0.010
1,3,5-Trimethylbenzene	0.019	0.09		0.010
1,2,4-Trimethylbenzene	0.034	0.17		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.015	0.09		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

City of Fort Worth
 1000 Throckmorton Street
 Fort Worth, TX 76102-6311
 ATTN: Brain Boerner

FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:

PHONE: na FAX: na

SITE CODE: Natural Gas Air Quality Study

Description: S4-P-10-13-10 **Lab ID:** 0101514-04 **Sampled:** 10/13/10 23:59
Pressure @ Receipt: 10.5" Hg **Canister #:** 5079 **Received:** 10/15/10 10:47
Comments: Dup1 Site 4 **Analyzed:** 10/18/10 13:06

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.636	0.68		0.025
Propylene	0.590	1.02		0.028
Dichlorodifluoromethane	0.587	2.91		0.012
Chloromethane	0.713	1.48		0.016
Dichlorotetrafluoroethane	0.019	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.046	0.10		0.010
Bromomethane	0.013	0.05		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.277	1.56		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.117	0.41		0.023
Carbon Disulfide	0.101	0.32		0.011
Trichlorotrifluoroethane	0.090	0.69		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.613	1.81		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.023	0.11		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.010	0.05	U	0.020
Benzene	0.428	1.37		0.019
Carbon Tetrachloride	0.106	0.67		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.050	0.21		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	1.40	5.29		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
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 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-P-10-13-10 **Lab ID:** 0101514-04 **Sampled:** 10/13/10 23:59
Pressure @ Receipt: 10.5" Hg **Canister #:** 5079 **Received:** 10/15/10 10:47
Comments: Dup1 Site 4 **Analyzed:** 10/18/10 13:06

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
n-Octane	0.231	1.08		0.012
Tetrachloroethylene	0.077	0.52		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.171	0.74		0.012
m,p-Xylene	0.525	2.28		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.022	0.09		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.194	0.84		0.010
1,3,5-Trimethylbenzene	0.044	0.22		0.010
1,2,4-Trimethylbenzene	0.134	0.66		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.031	0.19		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-D-10-13-10 **Lab ID:** 0101514-05 **Sampled:** 10/13/10 23:59
Pressure @ Receipt: 10.5" Hg **Canister #:** 5049 **Received:** 10/15/10 10:47
Comments: Dup2 Site 4 **Analyzed:** 10/18/10 14:07

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.653	0.70		0.025
Propylene	0.601	1.04		0.028
Dichlorodifluoromethane	0.606	3.00		0.012
Chloromethane	0.647	1.34		0.016
Dichlorotetrafluoroethane	0.019	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.046	0.10		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.286	1.61		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.107	0.37		0.023
Carbon Disulfide	0.067	0.21		0.011
Trichlorotrifluoroethane	0.093	0.71		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.602	1.78		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.020	0.10		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.426	1.36		0.019
Carbon Tetrachloride	0.109	0.69		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.051	0.21		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	1.25	4.72		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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 REPORTED: 05/24/11 11:31
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 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-D-10-13-10 **Lab ID:** 0101514-05 **Sampled:** 10/13/10 23:59
Pressure @ Receipt: 10.5" Hg **Canister #:** 5049 **Received:** 10/15/10 10:47
Comments: Dup2 Site 4 **Analyzed:** 10/18/10 14:07

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
n-Octane	0.231	1.08		0.012
Tetrachloroethylene	0.078	0.53		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.180	0.78		0.012
m,p-Xylene	0.565	2.46		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.028	0.12		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.208	0.91		0.010
1,3,5-Trimethylbenzene	0.056	0.28		0.010
1,2,4-Trimethylbenzene	0.156	0.77		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.029	0.18		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:
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Description: S5-P-10-13-10 Lab ID: 0101514-06 Sampled: 10/13/10 23:59
 Pressure @ Receipt: 12" Hg Canister #: 5039 Received: 10/15/10 10:47
 Comments: Dup1 Site 5 Analyzed: 10/18/10 17:10

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.357	0.38		0.025
Propylene	0.242	0.42		0.028
Dichlorodifluoromethane	0.581	2.88		0.012
Chloromethane	0.604	1.25		0.016
Dichlorotetrafluoroethane	0.022	0.15		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.019	0.04		0.010
Bromomethane	0.016	0.06		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.283	1.59		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.096	0.33		0.023
Carbon Disulfide	0.524	1.63		0.011
Trichlorotrifluoroethane	0.098	0.75		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.595	1.76		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.025	0.12		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.013	0.07	U	0.020
Benzene	0.192	0.62		0.019
Carbon Tetrachloride	0.115	0.73		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	ND	ND	U	0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.247	0.93		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S5-P-10-13-10 Lab ID: 0101514-06 Sampled: 10/13/10 23:59
 Pressure @ Receipt: 12" Hg Canister #: 5039 Received: 10/15/10 10:47
 Comments: Dup1 Site 5 Analyzed: 10/18/10 17:10

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.093	0.44		0.012
Tetrachloroethylene	0.010	0.07	U	0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.047	0.21		0.012
m,p-Xylene	0.121	0.53		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.020	0.09		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.046	0.20		0.010
1,3,5-Trimethylbenzene	0.021	0.10		0.010
1,2,4-Trimethylbenzene	0.039	0.19		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	ND	ND	U	0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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SITE CODE: Natural Gas Air Quality Study

Description: S5-D-10-13-10 **Lab ID:** 0101514-07 **Sampled:** 10/13/10 23:59
Pressure @ Receipt: 12" Hg **Canister #:** 5102 **Received:** 10/15/10 10:47
Comments: Dup2 Site 5 **Analyzed:** 10/18/10 18:11

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.370	0.40		0.025
Propylene	0.236	0.41		0.028
Dichlorodifluoromethane	0.598	2.96		0.012
Chloromethane	0.640	1.32		0.016
Dichlorotetrafluoroethane	0.022	0.15		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	ND	ND	U	0.010
Bromomethane	0.017	0.07		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.285	1.60		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.101	0.35		0.023
Carbon Disulfide	0.519	1.62		0.011
Trichlorotrifluoroethane	0.100	0.77		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.351	1.04		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.024	0.12		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.014	0.08	U	0.020
Benzene	0.173	0.55		0.019
Carbon Tetrachloride	0.116	0.73		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	ND	ND	U	0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.237	0.90		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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AQS SITE CODE:

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SITE CODE: Natural Gas Air Quality Study

Description: S5-D-10-13-10

Lab ID: 0101514-07

Sampled: 10/13/10 23:59

Pressure @ Receipt: 12" Hg

Canister #: 5102

Received: 10/15/10 10:47

Comments: Dup2 Site 5

Analyzed: 10/18/10 18:11

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.093	0.44		0.012
Tetrachloroethylene	ND	ND	U	0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.044	0.19		0.012
m,p-Xylene	0.114	0.50		0.014
Bromoform	ND	ND	U	0.011
Styrene	ND	ND	U	0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.045	0.20		0.010
1,3,5-Trimethylbenzene	0.020	0.10		0.010
1,2,4-Trimethylbenzene	0.035	0.17		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	ND	ND	U	0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:
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Description: S1-P-10-16-10 Lab ID: 0102001-01 Sampled: 10/16/10 23:59
 Pressure @ Receipt: 7" Hg Canister #: 5002 Received: 10/19/10 15:32
 Comments: Site 1 Analyzed: 10/20/10 14:57

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	1.10	1.17		0.025
Propylene	0.943	1.63		0.028
Dichlorodifluoromethane	0.599	2.97		0.012
Chloromethane	0.625	1.29		0.016
Dichlorotetrafluoroethane	0.018	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.128	0.28		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.292	1.64		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.188	0.65		0.023
Carbon Disulfide	0.073	0.23		0.011
Trichlorotrifluoroethane	0.093	0.71		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	1.30	3.84		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.064	0.31		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.473	1.51		0.019
Carbon Tetrachloride	0.115	0.73		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.079	0.32		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	1.13	4.27		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S1-P-10-16-10 Lab ID: 0102001-01 Sampled: 10/16/10 23:59
 Pressure @ Receipt: 7" Hg Canister #: 5002 Received: 10/19/10 15:32
 Comments: Site 1 Analyzed: 10/20/10 14:57

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.113	0.53		0.012
Tetrachloroethylene	0.062	0.42		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.139	0.61		0.012
m,p-Xylene	0.346	1.51		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.075	0.32		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.134	0.58		0.010
1,3,5-Trimethylbenzene	0.046	0.23		0.010
1,2,4-Trimethylbenzene	0.144	0.71		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.040	0.24		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

City of Fort Worth
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 Fort Worth, TX 76102-6311
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FILE #: 3786.02.002.001
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SITE CODE: Natural Gas Air Quality Study

Description: S2-P-10-16-10 **Lab ID:** 0102001-02 **Sampled:** 10/16/10 23:59
Pressure @ Receipt: 3" Hg **Canister #:** 5012 **Received:** 10/19/10 15:32
Comments: Site 2 **Analyzed:** 10/20/10 15:58

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.978	1.04		0.025
Propylene	0.871	1.50		0.028
Dichlorodifluoromethane	0.584	2.89		0.012
Chloromethane	0.654	1.35		0.016
Dichlorotetrafluoroethane	0.018	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.096	0.21		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.282	1.59		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.140	0.49		0.023
Carbon Disulfide	0.014	0.04		0.011
Trichlorotrifluoroethane	0.091	0.70		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.529	1.56		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.021	0.10		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.024	0.13		0.020
Benzene	0.349	1.12		0.019
Carbon Tetrachloride	0.113	0.71		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	0.026	0.14		0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.034	0.14		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.667	2.52		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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Description: S2-P-10-16-10 Lab ID: 0102001-02 Sampled: 10/16/10 23:59
 Pressure @ Receipt: 3" Hg Canister #: 5012 Received: 10/19/10 15:32
 Comments: Site 2 Analyzed: 10/20/10 15:58

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.055	0.26		0.012
Tetrachloroethylene	0.041	0.28		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.090	0.39		0.012
m,p-Xylene	0.244	1.06		0.014
Bromoform	ND	ND	U	0.011
Styrene	ND	ND	U	0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.094	0.41		0.010
1,3,5-Trimethylbenzene	0.032	0.16		0.010
1,2,4-Trimethylbenzene	0.100	0.49		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.025	0.15		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:
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Description: S3-P-10-16-10 Lab ID: 0102001-03 Sampled: 10/16/10 23:59
 Pressure @ Receipt: 5.5" Hg Canister #: 5029 Received: 10/19/10 15:32
 Comments: Site 3 Analyzed: 10/20/10 16:59

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.435	0.46		0.025
Propylene	0.337	0.58		0.028
Dichlorodifluoromethane	0.611	3.03		0.012
Chloromethane	0.615	1.27		0.016
Dichlorotetrafluoroethane	0.018	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.023	0.05		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.287	1.62		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.094	0.33		0.023
Carbon Disulfide	0.012	0.04		0.011
Trichlorotrifluoroethane	0.095	0.73		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.379	1.12		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.019	0.09		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.214	0.69		0.019
Carbon Tetrachloride	0.120	0.76		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	ND	ND	U	0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.296	1.12		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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Description: S3-P-10-16-10 Lab ID: 0102001-03 Sampled: 10/16/10 23:59
 Pressure @ Receipt: 5.5" Hg Canister #: 5029 Received: 10/19/10 15:32
 Comments: Site 3 Analyzed: 10/20/10 16:59

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.114	0.53		0.012
Tetrachloroethylene	0.016	0.11		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.045	0.20		0.012
m,p-Xylene	0.137	0.60		0.014
Bromoform	ND	ND	U	0.011
Styrene	ND	ND	U	0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.045	0.20		0.010
1,3,5-Trimethylbenzene	0.026	0.13		0.010
1,2,4-Trimethylbenzene	0.047	0.23		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	ND	ND	U	0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:
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Description: S4-P-10-16-10 **Lab ID:** 0102001-04 **Sampled:** 10/16/10 23:59
Pressure @ Receipt: 9" Hg **Canister #:** 5031 **Received:** 10/19/10 15:32
Comments: Site 4 **Analyzed:** 10/20/10 18:01

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	2.64	2.82		0.025
Propylene	1.97	3.40		0.028
Dichlorodifluoromethane	0.623	3.09		0.012
Chloromethane	0.655	1.36		0.016
Dichlorotetrafluoroethane	0.023	0.16		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.247	0.55		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.300	1.69		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.299	1.04		0.023
Carbon Disulfide	0.132	0.41		0.011
Trichlorotrifluoroethane	0.093	0.71		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.977	2.89		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.033	0.16		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	1.46	4.67		0.019
Carbon Tetrachloride	0.101	0.64		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.135	0.55		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	3.33	12.60		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-P-10-16-10 **Lab ID:** 0102001-04 **Sampled:** 10/16/10 23:59
Pressure @ Receipt: 9" Hg **Canister #:** 5031 **Received:** 10/19/10 15:32
Comments: Site 4 **Analyzed:** 10/20/10 18:01

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m³		ppbv
n-Octane	0.264	1.24		0.012
Tetrachloroethylene	0.096	0.65		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.410	1.78		0.012
m,p-Xylene	1.28	5.57		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.074	0.32		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.478	2.08		0.010
1,3,5-Trimethylbenzene	0.190	0.94		0.010
1,2,4-Trimethylbenzene	0.654	3.22		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.123	0.74		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:
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Description: S5-P-10-16-10 **Lab ID:** 0102001-05 **Sampled:** 10/16/10 23:59
Pressure @ Receipt: 11" Hg **Canister #:** 5047 **Received:** 10/19/10 15:32
Comments: Site 5 **Analyzed:** 10/20/10 19:03

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	1.69	1.80		0.025
Propylene	0.618	1.07		0.028
Dichlorodifluoromethane	0.584	2.89		0.012
Chloromethane	0.641	1.33		0.016
Dichlorotetrafluoroethane	0.018	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.051	0.11		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.279	1.57		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.384	1.34		0.023
Carbon Disulfide	1.13	3.53		0.011
Trichlorotrifluoroethane	0.090	0.69		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.883	2.61		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.033	0.16		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.359	1.15		0.019
Carbon Tetrachloride	0.099	0.62		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	0.077	0.42		0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.091	0.37		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	1.61	6.08		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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 AQS SITE CODE:
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Description: S5-P-10-16-10 Lab ID: 0102001-05 Sampled: 10/16/10 23:59
 Pressure @ Receipt: 11" Hg Canister #: 5047 Received: 10/19/10 15:32
 Comments: Site 5 Analyzed: 10/20/10 19:03

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.082	0.38		0.012
Tetrachloroethylene	0.030	0.20		0.011
Chlorobenzene	0.026	0.12		0.014
Ethylbenzene	0.177	0.77		0.012
m,p-Xylene	0.453	1.97		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.049	0.21		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.161	0.70		0.010
1,3,5-Trimethylbenzene	0.038	0.19		0.010
1,2,4-Trimethylbenzene	0.107	0.53		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.062	0.37		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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Description: S1-P-10-19-10 **Lab ID:** 0102116-01 **Sampled:** 10/19/10 23:59
Pressure @ Receipt: 3" Hg **Canister #:** 5011 **Received:** 10/21/10 10:37
Comments: Site 1 **Analyzed:** 10/21/10 19:10

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	1.56	1.66		0.025
Propylene	0.594	1.02		0.028
Dichlorodifluoromethane	0.575	2.85		0.012
Chloromethane	0.684	1.42		0.016
Dichlorotetrafluoroethane	0.018	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.069	0.15		0.010
Bromomethane	0.015	0.06		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.301	1.69		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.281	0.98		0.023
Carbon Disulfide	0.026	0.08		0.011
Trichlorotrifluoroethane	0.092	0.71		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.882	2.61		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.079	0.39		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.382	1.22		0.019
Carbon Tetrachloride	0.120	0.76		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	0.029	0.20		0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	0.451	1.85		0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.052	0.21		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.988	3.73		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S1-P-10-19-10 Lab ID: 0102116-01 Sampled: 10/19/10 23:59
 Pressure @ Receipt: 3" Hg Canister #: 5011 Received: 10/21/10 10:37
 Comments: Site 1 Analyzed: 10/21/10 19:10

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.066	0.31		0.012
Tetrachloroethylene	0.075	0.51		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.098	0.43		0.012
m,p-Xylene	0.242	1.05		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.561	2.39		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.096	0.42		0.010
1,3,5-Trimethylbenzene	0.030	0.15		0.010
1,2,4-Trimethylbenzene	0.092	0.45		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.075	0.45		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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City of Fort Worth
 1000 Throckmorton Street
 Fort Worth, TX 76102-6311
 ATTN: Brain Boerner

FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:

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SITE CODE: Natural Gas Air Quality Study

Description: S2-P-10-19-10 **Lab ID:** 0102116-02 **Sampled:** 10/19/10 23:59
Pressure @ Receipt: 2.5" Hg **Canister #:** 5110 **Received:** 10/21/10 10:37
Comments: Site 2 **Analyzed:** 10/21/10 20:10

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.729	0.78		0.025
Propylene	0.579	1.00		0.028
Dichlorodifluoromethane	0.586	2.90		0.012
Chloromethane	0.659	1.36		0.016
Dichlorotetrafluoroethane	0.018	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.066	0.15		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.279	1.57		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.221	0.77		0.023
Carbon Disulfide	0.012	0.04		0.011
Trichlorotrifluoroethane	0.092	0.71		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.553	1.63		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.021	0.10		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.067	0.37		0.020
Benzene	0.274	0.88		0.019
Carbon Tetrachloride	0.117	0.74		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.044	0.18		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.803	3.03		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S2-P-10-19-10 Lab ID: 0102116-02 Sampled: 10/19/10 23:59
 Pressure @ Receipt: 2.5" Hg Canister #: 5110 Received: 10/21/10 10:37
 Comments: Site 2 Analyzed: 10/21/10 20:10

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.084	0.39		0.012
Tetrachloroethylene	0.037	0.25		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.173	0.75		0.012
m,p-Xylene	0.513	2.23		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.022	0.09		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.161	0.70		0.010
1,3,5-Trimethylbenzene	0.042	0.21		0.010
1,2,4-Trimethylbenzene	0.118	0.58		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.027	0.16		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:
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Description: S3-P-10-19-10 **Lab ID:** 0102116-03 **Sampled:** 10/19/10 23:59
Pressure @ Receipt: 5.5" Hg **Canister #:** 5137 **Received:** 10/21/10 10:37
Comments: Site 3 Field recovery section left blank **Analyzed:** 10/21/10 21:11

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.271	0.29		0.025
Propylene	0.231	0.40		0.028
Dichlorodifluoromethane	0.609	3.02		0.012
Chloromethane	0.667	1.38		0.016
Dichlorotetrafluoroethane	0.018	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	ND	ND	U	0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.281	1.58		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.095	0.33		0.023
Carbon Disulfide	0.021	0.07		0.011
Trichlorotrifluoroethane	0.093	0.71		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.530	1.57		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.019	0.09		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.172	0.55		0.019
Carbon Tetrachloride	0.121	0.76		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.034	0.14		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.274	1.03		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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 AQS SITE CODE:
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Description: S3-P-10-19-10 Lab ID: 0102116-03 Sampled: 10/19/10 23:59
 Pressure @ Receipt: 5.5" Hg Canister #: 5137 Received: 10/21/10 10:37
 Comments: Site 3 Field recovery section left blank Analyzed: 10/21/10 21:11

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.109	0.51		0.012
Tetrachloroethylene	0.012	0.08		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.037	0.16		0.012
m,p-Xylene	0.111	0.48		0.014
Bromoform	ND	ND	U	0.011
Styrene	ND	ND	U	0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.033	0.14		0.010
1,3,5-Trimethylbenzene	0.016	0.08		0.010
1,2,4-Trimethylbenzene	0.028	0.14		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	ND	ND	U	0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:
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Description: S4-P-10-19-10 **Lab ID:** 0102116-04 **Sampled:** 10/19/10 23:59
Pressure @ Receipt: 8.5" Hg **Canister #:** 5130 **Received:** 10/21/10 10:37
Comments: Site 4 **Analyzed:** 10/21/10 22:12

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	1.01	1.08		0.025
Propylene	0.783	1.35		0.028
Dichlorodifluoromethane	0.622	3.08		0.012
Chloromethane	0.664	1.37		0.016
Dichlorotetrafluoroethane	0.021	0.15		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.085	0.19		0.010
Bromomethane	0.014	0.05		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.280	1.58		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.106	0.37		0.023
Carbon Disulfide	0.120	0.37		0.011
Trichlorotrifluoroethane	0.093	0.71		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	1.57	4.64		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.022	0.11		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.781	2.50		0.019
Carbon Tetrachloride	0.118	0.74		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.090	0.37		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	1.71	6.46		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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FILE #: 3786.02.002.001
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 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-P-10-19-10 Lab ID: 0102116-04 Sampled: 10/19/10 23:59
 Pressure @ Receipt: 8.5" Hg Canister #: 5130 Received: 10/21/10 10:37
 Comments: Site 4 Analyzed: 10/21/10 22:12

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.151	0.71		0.012
Tetrachloroethylene	0.039	0.27		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.324	1.41		0.012
m,p-Xylene	1.10	4.79		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.059	0.25		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.390	1.70		0.010
1,3,5-Trimethylbenzene	0.177	0.87		0.010
1,2,4-Trimethylbenzene	0.506	2.49		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.061	0.37		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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SITE CODE: Natural Gas Air Quality Study

Description: S5-P-10-19-10 **Lab ID:** 0102207-01 **Sampled:** 10/19/10 23:59
Pressure @ Receipt: 14" Hg **Canister #:** 5101 **Received:** 10/22/10 14:54
Comments: Site 5 **Analyzed:** 10/26/10 16:28

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.289	0.31		0.025
Propylene	0.256	0.44		0.028
Dichlorodifluoromethane	0.343	1.70		0.012
Chloromethane	0.436	0.90		0.016
Dichlorotetrafluoroethane	0.010	0.07	U	0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	ND	ND	U	0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.158	0.89		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.057	0.20		0.023
Carbon Disulfide	0.773	2.41		0.011
Trichlorotrifluoroethane	0.050	0.38		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.403	1.19		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.019	0.09		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.104	0.33		0.019
Carbon Tetrachloride	0.058	0.37		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	ND	ND	U	0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.270	1.02		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S5-P-10-19-10 Lab ID: 0102207-01 Sampled: 10/19/10 23:59
 Pressure @ Receipt: 14" Hg Canister #: 5101 Received: 10/22/10 14:54
 Comments: Site 5 Analyzed: 10/26/10 16:28

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.053	0.25		0.012
Tetrachloroethylene	ND	ND	U	0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.030	0.13		0.012
m,p-Xylene	0.080	0.35		0.014
Bromoform	ND	ND	U	0.011
Styrene	ND	ND	U	0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.026	0.11		0.010
1,3,5-Trimethylbenzene	ND	ND	U	0.010
1,2,4-Trimethylbenzene	0.014	0.07		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	ND	ND	U	0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S1-P-10-22-10 **Lab ID:** 0102621-01 **Sampled:** 10/22/10 23:59
Pressure @ Receipt: 6" Hg **Canister #:** 5027 **Received:** 10/26/10 12:26
Comments: Site 1 **Analyzed:** 10/26/10 17:28

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.389	0.42		0.025
Propylene	0.285	0.49		0.028
Dichlorodifluoromethane	0.606	3.00		0.012
Chloromethane	0.715	1.48		0.016
Dichlorotetrafluoroethane	0.019	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.017	0.04		0.010
Bromomethane	0.013	0.05		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.283	1.59		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.109	0.38		0.023
Carbon Disulfide	0.027	0.08		0.011
Trichlorotrifluoroethane	0.097	0.75		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	1.08	3.19		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.034	0.17		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.164	0.53		0.019
Carbon Tetrachloride	0.119	0.75		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	0.095	0.39		0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.033	0.14		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.287	1.08		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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AQS SITE CODE:

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FAX: na

SITE CODE:

Natural Gas Air Quality Study

Description: S1-P-10-22-10

Lab ID: 0102621-01

Sampled: 10/22/10 23:59

Pressure @ Receipt: 6" Hg

Canister #: 5027

Received: 10/26/10 12:26

Comments: Site 1

Analyzed: 10/26/10 17:28

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.027	0.13		0.012
Tetrachloroethylene	0.015	0.10		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.042	0.18		0.012
m,p-Xylene	0.092	0.40		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.315	1.34		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.037	0.16		0.010
1,3,5-Trimethylbenzene	0.013	0.06		0.010
1,2,4-Trimethylbenzene	0.034	0.17		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.019	0.11		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

City of Fort Worth
 1000 Throckmorton Street
 Fort Worth, TX 76102-6311
 ATTN: Brain Boerner

FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
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SITE CODE: Natural Gas Air Quality Study

Description: S2-P-10-22-10 **Lab ID:** 0102621-02 **Sampled:** 10/22/10 23:59
Pressure @ Receipt: 3.5" Hg **Canister #:** 5018 **Received:** 10/26/10 12:26
Comments: Site 2 **Analyzed:** 10/26/10 18:29

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.453	0.48		0.025
Propylene	0.399	0.69		0.028
Dichlorodifluoromethane	0.629	3.12		0.012
Chloromethane	0.696	1.44		0.016
Dichlorotetrafluoroethane	0.019	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.039	0.09		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.301	1.69		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.094	0.33		0.023
Carbon Disulfide	0.020	0.06		0.011
Trichlorotrifluoroethane	0.100	0.77		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	1.31	3.87		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.018	0.09		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.214	0.69		0.019
Carbon Tetrachloride	0.128	0.81		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.035	0.14		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.327	1.23		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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Description: S2-P-10-22-10 Lab ID: 0102621-02 Sampled: 10/22/10 23:59
 Pressure @ Receipt: 3.5" Hg Canister #: 5018 Received: 10/26/10 12:26
 Comments: Site 2 Analyzed: 10/26/10 18:29

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.035	0.16		0.012
Tetrachloroethylene	0.013	0.09		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.054	0.24		0.012
m,p-Xylene	0.132	0.57		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.021	0.09		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.052	0.23		0.010
1,3,5-Trimethylbenzene	0.019	0.09		0.010
1,2,4-Trimethylbenzene	0.052	0.26		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.022	0.13		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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SITE CODE: Natural Gas Air Quality Study

Description: S3-P-10-22-10 **Lab ID:** 0102621-03 **Sampled:** 10/22/10 23:59
Pressure @ Receipt: 6" Hg **Canister #:** 5147 **Received:** 10/26/10 12:26
Comments: Site 3 **Analyzed:** 10/26/10 19:30

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.322	0.34		0.025
Propylene	0.394	0.68		0.028
Dichlorodifluoromethane	0.562	2.79		0.012
Chloromethane	0.610	1.26		0.016
Dichlorotetrafluoroethane	0.018	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.064	0.14		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.267	1.50		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.109	0.38		0.023
Carbon Disulfide	0.009	0.03	U	0.011
Trichlorotrifluoroethane	0.091	0.70		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.945	2.79		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.016	0.08	U	0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.154	0.49		0.019
Carbon Tetrachloride	0.113	0.71		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	0.014	0.08	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.031	0.13		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.211	0.80		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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 AQS SITE CODE:
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Description: S3-P-10-22-10 Lab ID: 0102621-03 Sampled: 10/22/10 23:59
 Pressure @ Receipt: 6" Hg Canister #: 5147 Received: 10/26/10 12:26
 Comments: Site 3 Analyzed: 10/26/10 19:30

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.043	0.20		0.012
Tetrachloroethylene	0.025	0.17		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.047	0.21		0.012
m,p-Xylene	0.108	0.47		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.024	0.10		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.044	0.19		0.010
1,3,5-Trimethylbenzene	0.023	0.11		0.010
1,2,4-Trimethylbenzene	0.061	0.30		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.019	0.11		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:
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Description: S4-P-10-22-10 **Lab ID:** 0102621-04 **Sampled:** 10/22/10 23:59
Pressure @ Receipt: 9" Hg **Canister #:** 5013 **Received:** 10/26/10 12:26
Comments: Site 4 **Analyzed:** 10/26/10 20:31

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.560	0.60		0.025
Propylene	0.403	0.70		0.028
Dichlorodifluoromethane	0.570	2.82		0.012
Chloromethane	0.638	1.32		0.016
Dichlorotetrafluoroethane	0.019	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.037	0.08		0.010
Bromomethane	0.013	0.05		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.270	1.52		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.098	0.34		0.023
Carbon Disulfide	0.103	0.32		0.011
Trichlorotrifluoroethane	0.090	0.69		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	5.44	16.10		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.018	0.09		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.230	0.74		0.019
Carbon Tetrachloride	0.113	0.71		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.040	0.16		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.604	2.28		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-P-10-22-10 Lab ID: 0102621-04 Sampled: 10/22/10 23:59
 Pressure @ Receipt: 9" Hg Canister #: 5013 Received: 10/26/10 12:26
 Comments: Site 4 Analyzed: 10/26/10 20:31

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.084	0.39		0.012
Tetrachloroethylene	0.017	0.12		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.159	0.69		0.012
m,p-Xylene	0.515	2.24		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.032	0.14		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.181	0.79		0.010
1,3,5-Trimethylbenzene	0.064	0.32		0.010
1,2,4-Trimethylbenzene	0.174	0.86		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.052	0.31		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S5-P-10-22-10 Lab ID: 0102621-05 Sampled: 10/22/10 23:59
 Pressure @ Receipt: 14.5" Hg Canister #: 5114 Received: 10/26/10 12:26
 Comments: Site 5 Analyzed: 10/26/10 21:32

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.326	0.35		0.025
Propylene	0.256	0.44		0.028
Dichlorodifluoromethane	0.583	2.89		0.012
Chloromethane	0.652	1.35		0.016
Dichlorotetrafluoroethane	0.019	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	ND	ND	U	0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.275	1.55		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.080	0.28		0.023
Carbon Disulfide	0.884	2.76		0.011
Trichlorotrifluoroethane	0.094	0.72		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.407	1.20		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.022	0.11		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.135	0.43		0.019
Carbon Tetrachloride	0.119	0.75		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	ND	ND	U	0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.241	0.91		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S5-P-10-22-10 Lab ID: 0102621-05 Sampled: 10/22/10 23:59
 Pressure @ Receipt: 14.5" Hg Canister #: 5114 Received: 10/26/10 12:26
 Comments: Site 5 Analyzed: 10/26/10 21:32

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.026	0.12		0.012
Tetrachloroethylene	0.013	0.09		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.050	0.22		0.012
m,p-Xylene	0.135	0.59		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.027	0.12		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.050	0.22		0.010
1,3,5-Trimethylbenzene	0.019	0.09		0.010
1,2,4-Trimethylbenzene	0.042	0.21		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	ND	ND	U	0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:
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Description: S1-P-10-25-10 Lab ID: 0102801-01 Sampled: 10/25/10 23:59
 Pressure @ Receipt: 6" Hg Canister #: 5019 Received: 10/27/10 15:42
 Comments: Site 1 Analyzed: 10/28/10 20:32

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.419	0.45		0.025
Propylene	0.181	0.31		0.028
Dichlorodifluoromethane	0.456	2.26		0.012
Chloromethane	0.604	1.25		0.016
Dichlorotetrafluoroethane	0.016	0.11		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.010	0.02		0.010
Bromomethane	0.012	0.05	U	0.013
Chloroethane	0.015	0.04		0.012
Trichlorofluoromethane	0.215	1.21		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.059	0.21		0.023
Carbon Disulfide	0.027	0.08		0.011
Trichlorotrifluoroethane	0.076	0.58		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.694	2.05		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.020	0.10		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.009	0.05	U	0.020
Benzene	0.135	0.43		0.019
Carbon Tetrachloride	0.083	0.52		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	0.008	0.04	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.022	0.09		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.202	0.76		0.013
Dibromochloromethane	0.004	0.03	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S1-P-10-25-10 Lab ID: 0102801-01 Sampled: 10/25/10 23:59
 Pressure @ Receipt: 6" Hg Canister #: 5019 Received: 10/27/10 15:42
 Comments: Site 1 Analyzed: 10/28/10 20:32

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.029	0.14		0.012
Tetrachloroethylene	0.052	0.35		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.037	0.16		0.012
m,p-Xylene	0.069	0.30		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.026	0.11		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.028	0.12		0.010
1,3,5-Trimethylbenzene	0.020	0.10		0.010
1,2,4-Trimethylbenzene	0.050	0.25		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.019	0.11		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

City of Fort Worth
 1000 Throckmorton Street
 Fort Worth, TX 76102-6311
 ATTN: Brain Boerner

FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:

PHONE: na FAX: na

SITE CODE: Natural Gas Air Quality Study

Description: S2-P-10-25-10 **Lab ID:** 0102801-02 **Sampled:** 10/25/10 23:59
Pressure @ Receipt: 2.5" Hg **Canister #:** 5087 **Received:** 10/27/10 15:42
Comments: Site 2 **Analyzed:** 10/28/10 22:34

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.510	0.54		0.025
Propylene	0.292	0.50		0.028
Dichlorodifluoromethane	0.469	2.32		0.012
Chloromethane	0.586	1.21		0.016
Dichlorotetrafluoroethane	0.014	0.10		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.024	0.05		0.010
Bromomethane	0.011	0.04	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.220	1.24		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.058	0.20		0.023
Carbon Disulfide	0.010	0.03	U	0.011
Trichlorotrifluoroethane	0.076	0.58		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.913	2.70		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.014	0.07	U	0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.012	0.07	U	0.020
Benzene	0.180	0.58		0.019
Carbon Tetrachloride	0.090	0.57		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.034	0.14		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.285	1.08		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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City of Fort Worth
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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S2-P-10-25-10 **Lab ID:** 0102801-02 **Sampled:** 10/25/10 23:59
Pressure @ Receipt: 2.5" Hg **Canister #:** 5087 **Received:** 10/27/10 15:42
Comments: Site 2 **Analyzed:** 10/28/10 22:34

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
n-Octane	0.037	0.17		0.012
Tetrachloroethylene	0.018	0.12		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.044	0.19		0.012
m,p-Xylene	0.100	0.44		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.017	0.07		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.041	0.18		0.010
1,3,5-Trimethylbenzene	0.016	0.08		0.010
1,2,4-Trimethylbenzene	0.044	0.22		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.020	0.12		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S3-P-10-25-10 **Lab ID:** 0102801-03 **Sampled:** 10/25/10 23:59
Pressure @ Receipt: 7.5" Hg **Canister #:** 5136 **Received:** 10/27/10 15:42
Comments: Site 3 **Analyzed:** 10/28/10 15:47

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.357	0.38		0.025
Propylene	0.165	0.29		0.028
Dichlorodifluoromethane	0.559	2.77		0.012
Chloromethane	0.709	1.47		0.016
Dichlorotetrafluoroethane	0.020	0.14		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	ND	ND	U	0.010
Bromomethane	0.014	0.05		0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.250	1.41		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.060	0.21		0.023
Carbon Disulfide	0.012	0.04		0.011
Trichlorotrifluoroethane	0.086	0.66		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.404	1.19		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.015	0.07	U	0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.010	0.05	U	0.020
Benzene	0.153	0.49		0.019
Carbon Tetrachloride	0.103	0.65		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	ND	ND	U	0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.251	0.95		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S3-P-10-25-10 Lab ID: 0102801-03 Sampled: 10/25/10 23:59
 Pressure @ Receipt: 7.5" Hg Canister #: 5136 Received: 10/27/10 15:42
 Comments: Site 3 Analyzed: 10/28/10 15:47

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.096	0.45		0.012
Tetrachloroethylene	0.011	0.07		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.045	0.20		0.012
m,p-Xylene	0.102	0.44		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.018	0.08		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.034	0.15		0.010
1,3,5-Trimethylbenzene	0.019	0.09		0.010
1,2,4-Trimethylbenzene	0.032	0.16		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	ND	ND	U	0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-P-10-25-10 Lab ID: 0102801-04 Sampled: 10/25/10 23:59
 Pressure @ Receipt: 8.5" Hg Canister #: 5094 Received: 10/27/10 15:42
 Comments: Site 4 Analyzed: 10/28/10 21:33

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.470	0.50		0.025
Propylene	0.225	0.39		0.028
Dichlorodifluoromethane	0.473	2.34		0.012
Chloromethane	0.613	1.27		0.016
Dichlorotetrafluoroethane	0.020	0.14		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.015	0.03		0.010
Bromomethane	0.016	0.06		0.013
Chloroethane	0.016	0.04		0.012
Trichlorofluoromethane	0.228	1.28		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	0.005	0.02	U	0.013
Dichloromethane	0.055	0.19		0.023
Carbon Disulfide	0.062	0.19		0.011
Trichlorotrifluoroethane	0.080	0.61		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.677	2.00		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.019	0.09		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.012	0.07	U	0.020
Benzene	0.233	0.75		0.019
Carbon Tetrachloride	0.094	0.59		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.026	0.11		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.458	1.73		0.013
Dibromochloromethane	0.006	0.05	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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City of Fort Worth
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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-P-10-25-10 Lab ID: 0102801-04 Sampled: 10/25/10 23:59
 Pressure @ Receipt: 8.5" Hg Canister #: 5094 Received: 10/27/10 15:42
 Comments: Site 4 Analyzed: 10/28/10 21:33

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.053	0.25		0.012
Tetrachloroethylene	0.021	0.14		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.084	0.37		0.012
m,p-Xylene	0.239	1.04		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.024	0.10		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.078	0.34		0.010
1,3,5-Trimethylbenzene	0.025	0.12		0.010
1,2,4-Trimethylbenzene	0.057	0.28		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.023	0.14		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	0.008	0.09	U	0.012



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City of Fort Worth
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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S5-P-10-25-10 Lab ID: 0102801-05 Sampled: 10/25/10 23:59
 Pressure @ Receipt: 14" Hg Canister #: 5082 Received: 10/27/10 15:42
 Comments: Site 5 Analyzed: 10/28/10 14:49

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.540	0.58		0.025
Propylene	0.169	0.29		0.028
Dichlorodifluoromethane	0.501	2.48		0.012
Chloromethane	0.645	1.33		0.016
Dichlorotetrafluoroethane	0.022	0.15		0.012
Vinyl chloride	0.008	0.02	U	0.013
1,3-Butadiene	0.011	0.02		0.010
Bromomethane	0.018	0.07		0.013
Chloroethane	0.017	0.04		0.012
Trichlorofluoromethane	0.232	1.31		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	0.007	0.03	U	0.013
Dichloromethane	0.061	0.21		0.023
Carbon Disulfide	0.872	2.72		0.011
Trichlorotrifluoroethane	0.083	0.64		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	0.009	0.04	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.541	1.60		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.023	0.11		0.017
Ethyl tert-Butyl Ether	0.006	0.03	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.013	0.07	U	0.020
Benzene	0.153	0.49		0.019
Carbon Tetrachloride	0.089	0.56		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	0.008	0.04	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.026	0.11		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.250	0.94		0.013
Dibromochloromethane	0.008	0.07	U	0.011
1,2-Dibromoethane	0.008	0.06	U	0.012



CERTIFICATE OF ANALYSIS

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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S5-P-10-25-10 **Lab ID:** 0102801-05 **Sampled:** 10/25/10 23:59
Pressure @ Receipt: 14" Hg **Canister #:** 5082 **Received:** 10/27/10 15:42
Comments: Site 5 **Analyzed:** 10/28/10 14:49

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
n-Octane	0.058	0.27		0.012
Tetrachloroethylene	0.016	0.11		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.045	0.20		0.012
m,p-Xylene	0.110	0.48		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.023	0.10		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.039	0.17		0.010
1,3,5-Trimethylbenzene	0.021	0.10		0.010
1,2,4-Trimethylbenzene	0.030	0.15		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.014	0.08		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	0.033	0.25		0.018
Hexachloro-1,3-butadiene	0.009	0.10	U	0.012



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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S1-P-10-28-10 **Lab ID:** 0110212-01 **Sampled:** 10/28/10 23:59
Pressure @ Receipt: 7" Hg **Canister #:** 5025 **Received:** 11/02/10 13:32
Comments: Site 1 **Analyzed:** 11/03/10 18:18

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.469	0.50		0.025
Propylene	0.384	0.66		0.028
Dichlorodifluoromethane	0.628	3.11		0.012
Chloromethane	0.628	1.30		0.016
Dichlorotetrafluoroethane	0.019	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.031	0.07		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.298	1.68		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.096	0.33		0.023
Carbon Disulfide	0.018	0.06		0.011
Trichlorotrifluoroethane	0.096	0.74		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.513	1.52		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.020	0.10		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.010	0.05	U	0.020
Benzene	0.157	0.50		0.019
Carbon Tetrachloride	0.109	0.69		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.020	0.08		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.184	0.70		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

City of Fort Worth
 1000 Throckmorton Street
 Fort Worth, TX 76102-6311
 ATTN: Brain Boerner
 PHONE: na FAX: na

FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S1-P-10-28-10 Lab ID: 0110212-01 Sampled: 10/28/10 23:59
 Pressure @ Receipt: 7" Hg Canister #: 5025 Received: 11/02/10 13:32
 Comments: Site 1 Analyzed: 11/03/10 18:18

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.026	0.12		0.012
Tetrachloroethylene	ND	ND	U	0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.032	0.14		0.012
m,p-Xylene	0.071	0.31		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.013	0.06		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.031	0.14		0.010
1,3,5-Trimethylbenzene	0.014	0.07		0.010
1,2,4-Trimethylbenzene	0.035	0.17		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	ND	ND	U	0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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SITE CODE: Natural Gas Air Quality Study

Description: S1-P-10-31-10 **Lab ID:** 0110212-02 **Sampled:** 10/31/10 23:59
Pressure @ Receipt: 8" Hg **Canister #:** 5064 **Received:** 11/02/10 13:32
Comments: Site 1 **Analyzed:** 11/03/10 19:19

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.450	0.48		0.025
Propylene	0.290	0.50		0.028
Dichlorodifluoromethane	0.608	3.01		0.012
Chloromethane	0.673	1.39		0.016
Dichlorotetrafluoroethane	0.019	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	ND	ND	U	0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.286	1.61		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.076	0.27		0.023
Carbon Disulfide	0.021	0.07		0.011
Trichlorotrifluoroethane	0.097	0.75		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.692	2.05		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.025	0.12		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.010	0.05	U	0.020
Benzene	0.172	0.55		0.019
Carbon Tetrachloride	0.116	0.73		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.030	0.12		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.175	0.66		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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 AQS SITE CODE:
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Description: S1-P-10-31-10 Lab ID: 0110212-02 Sampled: 10/31/10 23:59
 Pressure @ Receipt: 8" Hg Canister #: 5064 Received: 11/02/10 13:32
 Comments: Site 1 Analyzed: 11/03/10 19:19

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.026	0.12		0.012
Tetrachloroethylene	0.030	0.20		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.031	0.14		0.012
m,p-Xylene	0.060	0.26		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.039	0.17		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.027	0.12		0.010
1,3,5-Trimethylbenzene	0.016	0.08		0.010
1,2,4-Trimethylbenzene	0.037	0.18		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	ND	ND	U	0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:
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Description: S2-P-10-28-10 Lab ID: 0110212-03 Sampled: 10/28/10 23:59
 Pressure @ Receipt: 3" Hg Canister #: 5024 Received: 11/02/10 13:32
 Comments: Site 2 Analyzed: 11/03/10 20:21

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.531	0.57		0.025
Propylene	0.384	0.66		0.028
Dichlorodifluoromethane	0.661	3.28		0.012
Chloromethane	0.646	1.34		0.016
Dichlorotetrafluoroethane	0.020	0.14		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.034	0.08		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.306	1.72		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.458	1.59		0.023
Carbon Disulfide	0.009	0.03	U	0.011
Trichlorotrifluoroethane	0.100	0.77		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	1.03	3.04		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.021	0.10		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.460	2.52		0.020
Benzene	0.409	1.31		0.019
Carbon Tetrachloride	0.110	0.69		0.024
tert-Amyl Methyl Ether	0.065	0.27		0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.299	1.23		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	3.26	12.30		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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 AQS SITE CODE:
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Description: S2-P-10-28-10 Lab ID: 0110212-03 Sampled: 10/28/10 23:59
 Pressure @ Receipt: 3" Hg Canister #: 5024 Received: 11/02/10 13:32
 Comments: Site 2 Analyzed: 11/03/10 20:21

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.349	1.63		0.012
Tetrachloroethylene	0.091	0.62		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.311	1.35		0.012
m,p-Xylene	0.938	4.08		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.038	0.16		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.301	1.31		0.010
1,3,5-Trimethylbenzene	0.097	0.48		0.010
1,2,4-Trimethylbenzene	0.252	1.24		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	ND	ND	U	0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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SITE CODE: Natural Gas Air Quality Study

Description: S2-P-10-31-10 **Lab ID:** 0110212-04 **Sampled:** 10/31/10 23:59
Pressure @ Receipt: 3.5" Hg **Canister #:** 5111 **Received:** 11/02/10 13:32
Comments: Site 2 **Analyzed:** 11/03/10 21:22

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.556	0.59		0.025
Propylene	0.371	0.64		0.028
Dichlorodifluoromethane	0.625	3.10		0.012
Chloromethane	0.667	1.38		0.016
Dichlorotetrafluoroethane	0.018	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.035	0.08		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.295	1.66		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.102	0.36		0.023
Carbon Disulfide	0.008	0.03	U	0.011
Trichlorotrifluoroethane	0.098	0.75		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.455	1.34		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.020	0.10		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.021	0.12		0.020
Benzene	0.221	0.71		0.019
Carbon Tetrachloride	0.118	0.74		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.022	0.09		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.257	0.97		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S2-P-10-31-10 Lab ID: 0110212-04 Sampled: 10/31/10 23:59
 Pressure @ Receipt: 3.5" Hg Canister #: 5111 Received: 11/02/10 13:32
 Comments: Site 2 Analyzed: 11/03/10 21:22

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.050	0.23		0.012
Tetrachloroethylene	0.016	0.11		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.043	0.19		0.012
m,p-Xylene	0.098	0.43		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.014	0.06		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.042	0.18		0.010
1,3,5-Trimethylbenzene	0.014	0.07		0.010
1,2,4-Trimethylbenzene	0.039	0.19		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	ND	ND	U	0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 REPORTED: 05/24/11 11:31
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 AQS SITE CODE:
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Description: S3-P-10-28-10 **Lab ID:** 0110212-05 **Sampled:** 10/28/10 23:59
Pressure @ Receipt: 6" Hg **Canister #:** 5141 **Received:** 11/02/10 13:32
Comments: Site 3 **Analyzed:** 11/03/10 22:23

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.292	0.31		0.025
Propylene	0.205	0.35		0.028
Dichlorodifluoromethane	0.636	3.15		0.012
Chloromethane	0.622	1.29		0.016
Dichlorotetrafluoroethane	0.020	0.14		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	ND	ND	U	0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.290	1.63		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.061	0.21		0.023
Carbon Disulfide	0.010	0.03	U	0.011
Trichlorotrifluoroethane	0.096	0.74		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.367	1.08		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.015	0.07	U	0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.132	0.42		0.019
Carbon Tetrachloride	0.109	0.69		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.023	0.09		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.147	0.56		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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 AQS SITE CODE:
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Description: S3-P-10-28-10 Lab ID: 0110212-05 Sampled: 10/28/10 23:59
 Pressure @ Receipt: 6" Hg Canister #: 5141 Received: 11/02/10 13:32
 Comments: Site 3 Analyzed: 11/03/10 22:23

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.054	0.25		0.012
Tetrachloroethylene	ND	ND	U	0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.027	0.12		0.012
m,p-Xylene	0.060	0.26		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.012	0.05		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.024	0.10		0.010
1,3,5-Trimethylbenzene	0.012	0.06		0.010
1,2,4-Trimethylbenzene	0.022	0.11		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	ND	ND	U	0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:
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Description: S4-P-10-28-10 **Lab ID:** 0110212-06 **Sampled:** 10/28/10 23:59
Pressure @ Receipt: 3.5" Hg **Canister #:** 5123 **Received:** 11/02/10 13:32
Comments: Dup1 Site 4 **Analyzed:** 11/03/10 10:00

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.421	0.45		0.025
Propylene	0.780	1.35		0.028
Dichlorodifluoromethane	0.606	3.00		0.012
Chloromethane	0.590	1.22		0.016
Dichlorotetrafluoroethane	0.018	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.040	0.09		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.273	1.54		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.061	0.21		0.023
Carbon Disulfide	0.032	0.10		0.011
Trichlorotrifluoroethane	0.092	0.71		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.737	2.18		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.016	0.08	U	0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	1.18	3.78		0.019
Carbon Tetrachloride	0.098	0.62		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.068	0.28		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	2.23	8.42		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



CERTIFICATE OF ANALYSIS

City of Fort Worth
 1000 Throckmorton Street
 Fort Worth, TX 76102-6311
 ATTN: Brain Boerner
 PHONE: na FAX: na

FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-P-10-28-10 Lab ID: 0110212-06 Sampled: 10/28/10 23:59
 Pressure @ Receipt: 3.5" Hg Canister #: 5123 Received: 11/02/10 13:32
 Comments: Dup1 Site 4 Analyzed: 11/03/10 10:00

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.161	0.75		0.012
Tetrachloroethylene	0.015	0.10		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.177	0.77		0.012
m,p-Xylene	0.492	2.14		0.014
Bromoform	ND	ND	U	0.011
Styrene	ND	ND	U	0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.177	0.77		0.010
1,3,5-Trimethylbenzene	0.036	0.18		0.010
1,2,4-Trimethylbenzene	0.120	0.59		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.019	0.11		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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SITE CODE: Natural Gas Air Quality Study

Description: S4-D-10-28-10 **Lab ID:** 0110212-07 **Sampled:** 10/28/10 23:59
Pressure @ Receipt: 3.5" Hg **Canister #:** 5001 **Received:** 11/02/10 13:32
Comments: Dup2 Site 4 **Analyzed:** 11/03/10 11:01

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.417	0.45		0.025
Propylene	0.771	1.33		0.028
Dichlorodifluoromethane	0.597	2.96		0.012
Chloromethane	0.595	1.23		0.016
Dichlorotetrafluoroethane	0.019	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.039	0.09		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.268	1.51		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.060	0.21		0.023
Carbon Disulfide	0.035	0.11		0.011
Trichlorotrifluoroethane	0.089	0.68		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.788	2.33		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	ND	ND	U	0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	1.18	3.78		0.019
Carbon Tetrachloride	0.095	0.60		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.079	0.32		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	2.26	8.53		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
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 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-D-10-28-10 **Lab ID:** 0110212-07 **Sampled:** 10/28/10 23:59
Pressure @ Receipt: 3.5" Hg **Canister #:** 5001 **Received:** 11/02/10 13:32
Comments: Dup2 Site 4 **Analyzed:** 11/03/10 11:01

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.163	0.76		0.012
Tetrachloroethylene	0.016	0.11		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.185	0.81		0.012
m,p-Xylene	0.510	2.22		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.011	0.05		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.182	0.79		0.010
1,3,5-Trimethylbenzene	0.043	0.21		0.010
1,2,4-Trimethylbenzene	0.135	0.67		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	0.020	0.12		0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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SITE CODE: Natural Gas Air Quality Study

Description: S4-P-10-31-10 **Lab ID:** 0110212-08 **Sampled:** 10/31/10 23:59
Pressure @ Receipt: 10" Hg **Canister #:** 5083 **Received:** 11/02/10 13:32
Comments: Site 4 **Analyzed:** 11/03/10 23:25

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.618	0.66		0.025
Propylene	0.334	0.58		0.028
Dichlorodifluoromethane	0.596	2.95		0.012
Chloromethane	0.673	1.39		0.016
Dichlorotetrafluoroethane	0.019	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	0.027	0.06		0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.283	1.59		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.082	0.29		0.023
Carbon Disulfide	0.123	0.38		0.011
Trichlorotrifluoroethane	0.093	0.71		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.548	1.62		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.019	0.09		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	0.010	0.05	U	0.020
Benzene	0.294	0.94		0.019
Carbon Tetrachloride	0.108	0.68		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.031	0.13		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.480	1.81		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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 REPORTED: 05/24/11 11:31
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 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S4-P-10-31-10 Lab ID: 0110212-08 Sampled: 10/31/10 23:59
 Pressure @ Receipt: 10" Hg Canister #: 5083 Received: 11/02/10 13:32
 Comments: Site 4 Analyzed: 11/03/10 23:25

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.041	0.19		0.012
Tetrachloroethylene	0.016	0.11		0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.091	0.40		0.012
m,p-Xylene	0.270	1.17		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.021	0.09		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.098	0.43		0.010
1,3,5-Trimethylbenzene	0.026	0.13		0.010
1,2,4-Trimethylbenzene	0.074	0.37		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	ND	ND	U	0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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SITE CODE: Natural Gas Air Quality Study

Description: S5-P-10-28-10 **Lab ID:** 0110212-09 **Sampled:** 10/28/10 23:59
Pressure @ Receipt: 12" Hg **Canister #:** 5058 **Received:** 11/02/10 13:32
Comments: Dup1 Site 5 **Analyzed:** 11/03/10 14:07

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.336	0.36		0.025
Propylene	0.211	0.36		0.028
Dichlorodifluoromethane	0.560	2.78		0.012
Chloromethane	0.555	1.15		0.016
Dichlorotetrafluoroethane	0.017	0.12		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	ND	ND	U	0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.256	1.44		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.050	0.17		0.023
Carbon Disulfide	0.492	1.54		0.011
Trichlorotrifluoroethane	0.083	0.64		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.287	0.85		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.015	0.07	U	0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.122	0.39		0.019
Carbon Tetrachloride	0.093	0.59		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.015	0.06		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.132	0.50		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S5-P-10-28-10 Lab ID: 0110212-09 Sampled: 10/28/10 23:59
 Pressure @ Receipt: 12" Hg Canister #: 5058 Received: 11/02/10 13:32
 Comments: Dup1 Site 5 Analyzed: 11/03/10 14:07

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.036	0.17		0.012
Tetrachloroethylene	ND	ND	U	0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.023	0.10		0.012
m,p-Xylene	0.051	0.22		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.013	0.06		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.021	0.09		0.010
1,3,5-Trimethylbenzene	0.009	0.04	U	0.010
1,2,4-Trimethylbenzene	0.014	0.07		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	ND	ND	U	0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S5-D-10-28-10 **Lab ID:** 0110212-10 **Sampled:** 10/28/10 23:59
Pressure @ Receipt: 12" Hg **Canister #:** 5010 **Received:** 11/02/10 13:32
Comments: Dup2 Site 5 **Analyzed:** 11/03/10 15:10

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.371	0.40		0.025
Propylene	0.218	0.38		0.028
Dichlorodifluoromethane	0.605	3.00		0.012
Chloromethane	0.604	1.25		0.016
Dichlorotetrafluoroethane	0.018	0.13		0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	ND	ND	U	0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.282	1.59		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.056	0.20		0.023
Carbon Disulfide	0.535	1.67		0.011
Trichlorotrifluoroethane	0.088	0.68		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.287	0.85		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	0.017	0.08		0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.138	0.44		0.019
Carbon Tetrachloride	0.098	0.62		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.016	0.07		0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.147	0.56		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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FILE #: 3786.02.002.001
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 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S5-D-10-28-10 Lab ID: 0110212-10 Sampled: 10/28/10 23:59
 Pressure @ Receipt: 12" Hg Canister #: 5010 Received: 11/02/10 13:32
 Comments: Dup2 Site 5 Analyzed: 11/03/10 15:10

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.040	0.19		0.012
Tetrachloroethylene	ND	ND	U	0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.024	0.10		0.012
m,p-Xylene	0.053	0.23		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.014	0.06		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.022	0.10		0.010
1,3,5-Trimethylbenzene	0.009	0.04	U	0.010
1,2,4-Trimethylbenzene	0.014	0.07		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	ND	ND	U	0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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 AQS SITE CODE:
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Description: S5-P-10-31-10 **Lab ID:** 0110212-11 **Sampled:** 10/31/10 23:59
Pressure @ Receipt: 15" Hg **Canister #:** 5098 **Received:** 11/02/10 13:32
Comments: Site 5 **Analyzed:** 11/04/10 00:29

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.260	0.28		0.025
Propylene	0.186	0.32		0.028
Dichlorodifluoromethane	0.276	1.37		0.012
Chloromethane	0.321	0.66		0.016
Dichlorotetrafluoroethane	0.008	0.06	U	0.012
Vinyl chloride	ND	ND	U	0.013
1,3-Butadiene	ND	ND	U	0.010
Bromomethane	ND	ND	U	0.013
Chloroethane	ND	ND	U	0.012
Trichlorofluoromethane	0.128	0.72		0.012
Acrylonitrile	ND	ND	U	0.027
1,1-Dichloroethene	ND	ND	U	0.013
Dichloromethane	0.037	0.13		0.023
Carbon Disulfide	0.618	1.93		0.011
Trichlorotrifluoroethane	0.042	0.32		0.014
trans-1,2-Dichloroethylene	ND	ND	U	0.014
1,1-Dichloroethane	ND	ND	U	0.017
Methyl tert-Butyl Ether	ND	ND	U	0.009
Methyl Ethyl Ketone	0.250	0.74		0.026
Chloroprene	ND	ND	U	0.014
cis-1,2-Dichloroethylene	ND	ND	U	0.036
Bromochloromethane	ND	ND	U	0.018
Chloroform	ND	ND	U	0.017
Ethyl tert-Butyl Ether	ND	ND	U	0.009
1,2-Dichloroethane	ND	ND	U	0.015
1,1,1-Trichloroethane	ND	ND	U	0.020
Benzene	0.118	0.38		0.019
Carbon Tetrachloride	0.053	0.33		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.013
1,2-Dichloropropane	ND	ND	U	0.025
Ethyl Acrylate	ND	ND	U	0.011
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.017
Methyl Methacrylate	ND	ND	U	0.020
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	ND	ND	U	0.010
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.018
Toluene	0.152	0.57		0.013
Dibromochloromethane	ND	ND	U	0.011
1,2-Dibromoethane	ND	ND	U	0.012



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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Description: S5-P-10-31-10 Lab ID: 0110212-11 Sampled: 10/31/10 23:59
 Pressure @ Receipt: 15" Hg Canister #: 5098 Received: 11/02/10 13:32
 Comments: Site 5 Analyzed: 11/04/10 00:29

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.023	0.11		0.012
Tetrachloroethylene	ND	ND	U	0.011
Chlorobenzene	ND	ND	U	0.014
Ethylbenzene	0.030	0.13		0.012
m,p-Xylene	0.067	0.29		0.014
Bromoform	ND	ND	U	0.011
Styrene	0.016	0.07		0.010
1,1,2,2-Tetrachloroethane	ND	ND	U	0.011
o-Xylene	0.028	0.12		0.010
1,3,5-Trimethylbenzene	0.012	0.06		0.010
1,2,4-Trimethylbenzene	0.026	0.13		0.011
m-Dichlorobenzene	ND	ND	U	0.010
Chloromethylbenzene	ND	ND	U	0.017
p-Dichlorobenzene	ND	ND	U	0.010
o-Dichlorobenzene	ND	ND	U	0.012
1,2,4-Trichlorobenzene	ND	ND	U	0.018
Hexachloro-1,3-butadiene	ND	ND	U	0.012



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Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B011303 - Summa Canister Prep

Duplicate (B011303-DUP1)

Source: 0090906-03

Prepared: 09/07/10 Analyzed: 09/13/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
Acetylene	0.674	ppbv	0.75	10.4	25	
Propylene	0.693	ppbv	0.77	10.8	25	
Dichlorodifluoromethane	0.590	ppbv	0.63	7.11	25	
Chloromethane	0.847	ppbv	0.92	7.69	25	
Dichlorotetrafluoroethane	0.020	ppbv	0.02	7.14	25	
Vinyl chloride	ND	ppbv	ND		25	U
1,3-Butadiene	0.053	ppbv	0.05	2.61	25	
Bromomethane	0.032	ppbv	0.03	3.88	25	
Chloroethane	ND	ppbv	ND		25	U
Trichlorofluoromethane	0.279	ppbv	0.30	6.36	25	
Acrylonitrile	ND	ppbv	ND		25	U
1,1-Dichloroethene	ND	ppbv	ND		25	U
Dichloromethane	0.085	ppbv	0.09	6.72	25	
Carbon Disulfide	0.197	ppbv	0.20	3.53	25	
Trichlorotrifluoroethane	0.090	ppbv	0.10	5.31	25	
trans-1,2-Dichloroethylene	ND	ppbv	ND		25	U
1,1-Dichloroethane	ND	ppbv	ND		25	U
Methyl tert-Butyl Ether	ND	ppbv	ND		25	U
Methyl Ethyl Ketone	0.951	ppbv	1.04	8.67	25	
Chloroprene	ND	ppbv	ND		25	U
cis-1,2-Dichloroethylene	ND	ppbv	ND		25	U
Bromochloromethane	ND	ppbv	ND		25	U
Chloroform	0.018	ppbv	0.02	2.14	25	
Ethyl tert-Butyl Ether	ND	ppbv	ND		25	U
1,2-Dichloroethane	ND	ppbv	ND		25	U
1,1,1-Trichloroethane	ND	ppbv	ND		25	U
Benzene	0.265	ppbv	0.30	13.6	25	
Carbon Tetrachloride	0.120	ppbv	0.13	5.19	25	
tert-Amyl Methyl Ether	ND	ppbv	ND		25	U
1,2-Dichloropropane	ND	ppbv	ND		25	U
Ethyl Acrylate	ND	ppbv	ND		25	U
Bromodichloromethane	ND	ppbv	ND		25	U
Trichloroethylene	ND	ppbv	ND		25	U
Methyl Methacrylate	ND	ppbv	ND		25	U
cis-1,3-Dichloropropene	ND	ppbv	ND		25	U
Methyl Isobutyl Ketone	0.067	ppbv	0.08	15.1	25	
trans-1,3-Dichloropropene	ND	ppbv	ND		25	U



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Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B011303 - Summa Canister Prep

Duplicate (B011303-DUP1) Continued

Source: 0090906-03

Prepared: 09/07/10 Analyzed: 09/13/10

1,1,2-Trichloroethane	ND	ppbv	ND		25	U
Toluene	0.781	ppbv	0.87	10.7	25	
Dibromochloromethane	ND	ppbv	ND		25	U
1,2-Dibromoethane	ND	ppbv	ND		25	U
n-Octane	0.064	ppbv	0.08	15.4	25	
Tetrachloroethylene	0.052	ppbv	0.05	3.38	25	
Chlorobenzene	ND	ppbv	ND		25	U
Ethylbenzene	0.156	ppbv	0.17	9.94	25	
m,p-Xylene	0.521	ppbv	0.58	10.1	25	
Bromoform	ND	ppbv	ND		25	U
Styrene	0.045	ppbv	0.05	0.879	25	
1,1,2,2-Tetrachloroethane	ND	ppbv	ND		25	U
o-Xylene	0.164	ppbv	0.18	9.37	25	
1,3,5-Trimethylbenzene	0.040	ppbv	0.04	1.77	25	
1,2,4-Trimethylbenzene	0.114	ppbv	0.12	3.94	25	
m-Dichlorobenzene	ND	ppbv	ND		25	U
Chloromethylbenzene	ND	ppbv	ND		25	U
p-Dichlorobenzene	0.095	ppbv	0.10	7.61	25	
o-Dichlorobenzene	ND	ppbv	ND		25	U
1,2,4-Trichlorobenzene	0.030	ppbv	0.03	10.9	25	
Hexachloro-1,3-butadiene	ND	ppbv	ND		25	U

Duplicate (B011303-DUP2)

Source: 0090906-04

Prepared: 09/07/10 Analyzed: 09/13/10

Acetylene	0.702	ppbv	0.74	4.78	25	
Propylene	0.680	ppbv	0.72	5.52	25	
Dichlorodifluoromethane	0.620	ppbv	0.65	4.12	25	
Chloromethane	0.801	ppbv	0.83	3.84	25	
Dichlorotetrafluoroethane	0.023	ppbv	0.02	16.5	25	
Vinyl chloride	ND	ppbv	ND		25	U
1,3-Butadiene	0.058	ppbv	0.06	4.24	25	
Bromomethane	0.017	ppbv	0.01	27.4	25	
Chloroethane	ND	ppbv	ND		25	U
Trichlorofluoromethane	0.296	ppbv	0.30	1.77	25	
Acrylonitrile	ND	ppbv	ND		25	U
1,1-Dichloroethene	ND	ppbv	ND		25	U
Dichloromethane	0.098	ppbv	0.10	2.47	25	
Carbon Disulfide	0.083	ppbv	0.08	4.81	25	
Trichlorotrifluoroethane	0.098	ppbv	0.10	0.411	25	

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Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B011303 - Summa Canister Prep

Duplicate (B011303-DUP2) Continued

Source: 0090906-04

Prepared: 09/07/10 Analyzed: 09/13/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
trans-1,2-Dichloroethylene	ND	ppbv	ND		25	U
1,1-Dichloroethane	ND	ppbv	ND		25	U
Methyl tert-Butyl Ether	ND	ppbv	ND		25	U
Methyl Ethyl Ketone	0.670	ppbv	0.71	5.37	25	
Chloroprene	ND	ppbv	ND		25	U
cis-1,2-Dichloroethylene	ND	ppbv	ND		25	U
Bromochloromethane	ND	ppbv	ND		25	U
Chloroform	0.022	ppbv	ND		25	
Ethyl tert-Butyl Ether	ND	ppbv	ND		25	U
1,2-Dichloroethane	ND	ppbv	ND		25	U
1,1,1-Trichloroethane	ND	ppbv	ND		25	U
Benzene	0.278	ppbv	0.30	7.01	25	
Carbon Tetrachloride	0.127	ppbv	0.13	5.74	25	
tert-Amyl Methyl Ether	ND	ppbv	ND		25	U
1,2-Dichloropropane	ND	ppbv	ND		25	U
Ethyl Acrylate	ND	ppbv	ND		25	U
Bromodichloromethane	ND	ppbv	ND		25	U
Trichloroethylene	ND	ppbv	ND		25	U
Methyl Methacrylate	ND	ppbv	ND		25	U
cis-1,3-Dichloropropene	ND	ppbv	ND		25	U
Methyl Isobutyl Ketone	0.057	ppbv	0.06	10.4	25	
trans-1,3-Dichloropropene	ND	ppbv	ND		25	U
1,1,2-Trichloroethane	ND	ppbv	ND		25	U
Toluene	0.815	ppbv	0.88	8.10	25	
Dibromochloromethane	ND	ppbv	ND		25	U
1,2-Dibromoethane	ND	ppbv	ND		25	U
n-Octane	0.075	ppbv	0.08	1.72	25	
Tetrachloroethylene	0.056	ppbv	0.06	0.897	25	
Chlorobenzene	ND	ppbv	ND		25	U
Ethylbenzene	0.163	ppbv	0.17	5.61	25	
m,p-Xylene	0.548	ppbv	0.58	6.42	25	
Bromoform	ND	ppbv	ND		25	U
Styrene	0.051	ppbv	0.05	2.78	25	
1,1,2,2-Tetrachloroethane	ND	ppbv	ND		25	U
o-Xylene	0.175	ppbv	0.18	4.42	25	
1,3,5-Trimethylbenzene	0.046	ppbv	0.05	0.220	25	
1,2,4-Trimethylbenzene	0.124	ppbv	0.13	3.16	25	

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Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B011303 - Summa Canister Prep

Duplicate (B011303-DUP2) Continued

Source: 0090906-04

Prepared: 09/07/10 Analyzed: 09/13/10

m-Dichlorobenzene	ND	ppbv	ND		25	U
Chloromethylbenzene	ND	ppbv	ND		25	U
p-Dichlorobenzene	0.088	ppbv	0.09	1.79	25	
o-Dichlorobenzene	ND	ppbv	ND		25	U
1,2,4-Trichlorobenzene	ND	ppbv	ND		25	U
Hexachloro-1,3-butadiene	ND	ppbv	ND		25	U

Duplicate (B011303-DUP3)

Source: 0090906-05

Prepared: 09/07/10 Analyzed: 09/14/10

Acetylene	0.391	ppbv	0.34		14.1	25	
Propylene	0.418	ppbv	0.36		13.9	25	
Dichlorodifluoromethane	0.590	ppbv	0.54		9.22	25	
Chloromethane	0.994	ppbv	0.90		9.55	25	
Dichlorotetrafluoroethane	0.024	ppbv	0.02		14.9	25	
Vinyl chloride	ND	ppbv	ND			25	U
1,3-Butadiene	0.023	ppbv	0.02		13.8	25	
Bromomethane	0.020	ppbv	0.02		17.8	25	
Chloroethane	0.061	ppbv	0.06		7.67	25	
Trichlorofluoromethane	0.274	ppbv	0.26		4.32	25	
Acrylonitrile	ND	ppbv	ND			25	U
1,1-Dichloroethene	ND	ppbv	ND			25	U
Dichloromethane	0.132	ppbv	0.12		9.77	25	
Carbon Disulfide	1.01	ppbv	0.94		7.63	25	
Trichlorotrifluoroethane	0.098	ppbv	0.09		7.19	25	
trans-1,2-Dichloroethylene	ND	ppbv	ND			25	U
1,1-Dichloroethane	ND	ppbv	ND			25	U
Methyl tert-Butyl Ether	ND	ppbv	ND			25	U
Methyl Ethyl Ketone	0.504	ppbv	0.50	0.917	25		
Chloroprene	ND	ppbv	ND			25	U
cis-1,2-Dichloroethylene	ND	ppbv	ND			25	U
Bromochloromethane	ND	ppbv	ND			25	U
Chloroform	0.058	ppbv	0.06		3.00	25	
Ethyl tert-Butyl Ether	ND	ppbv	ND			25	U
1,2-Dichloroethane	ND	ppbv	ND			25	U
1,1,1-Trichloroethane	ND	ppbv	ND			25	U
Benzene	0.134	ppbv	0.13		1.05	25	
Carbon Tetrachloride	0.136	ppbv	0.12		9.12	25	
tert-Amyl Methyl Ether	ND	ppbv	ND			25	U
1,2-Dichloropropane	ND	ppbv	ND			25	U

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Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B011303 - Summa Canister Prep

Duplicate (B011303-DUP3) Continued

Source: 0090906-05

Prepared: 09/07/10 Analyzed: 09/14/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
Ethyl Acrylate	ND	ppbv	ND		25	U
Bromodichloromethane	ND	ppbv	ND		25	U
Trichloroethylene	ND	ppbv	ND		25	U
Methyl Methacrylate	ND	ppbv	ND		25	U
cis-1,3-Dichloropropene	ND	ppbv	ND		25	U
Methyl Isobutyl Ketone	0.033	ppbv	0.03	11.9	25	
trans-1,3-Dichloropropene	ND	ppbv	ND		25	U
1,1,2-Trichloroethane	ND	ppbv	ND		25	U
Toluene	0.564	ppbv	0.60	6.07	25	
Dibromochloromethane	ND	ppbv	ND		25	U
1,2-Dibromoethane	ND	ppbv	ND		25	U
n-Octane	0.058	ppbv	0.05	6.26	25	
Tetrachloroethylene	0.023	ppbv	0.02	4.88	25	
Chlorobenzene	ND	ppbv	ND		25	U
Ethylbenzene	0.087	ppbv	0.09	0.918	25	
m,p-Xylene	0.226	ppbv	0.23	2.84	25	
Bromoform	ND	ppbv	ND		25	U
Styrene	0.041	ppbv	0.04	10.4	25	
1,1,2,2-Tetrachloroethane	ND	ppbv	ND		25	U
o-Xylene	0.080	ppbv	0.08	3.54	25	
1,3,5-Trimethylbenzene	0.029	ppbv	0.02	19.7	25	
1,2,4-Trimethylbenzene	0.058	ppbv	0.05	11.4	25	
m-Dichlorobenzene	ND	ppbv	ND		25	U
Chloromethylbenzene	ND	ppbv	ND		25	U
p-Dichlorobenzene	0.017	ppbv	0.02	13.1	25	
o-Dichlorobenzene	ND	ppbv	ND		25	U
1,2,4-Trichlorobenzene	ND	ppbv	ND		25	U
Hexachloro-1,3-butadiene	ND	ppbv	ND		25	U

Duplicate (B011303-DUP4)

Source: 0090906-06

Prepared: 09/07/10 Analyzed: 09/14/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
Acetylene	0.400	ppbv	0.39	1.36	25	
Propylene	0.360	ppbv	0.36	0.388	25	
Dichlorodifluoromethane	0.598	ppbv	0.61	2.41	25	
Chloromethane	0.833	ppbv	0.85	2.36	25	
Dichlorotetrafluoroethane	0.024	ppbv	0.02	6.40	25	
Vinyl chloride	ND	ppbv	ND		25	U
1,3-Butadiene	0.023	ppbv	0.02	8.58	25	
Bromomethane	0.019	ppbv	0.02	12.6	25	

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Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B011303 - Summa Canister Prep

Duplicate (B011303-DUP4) Continued

Source: 0090906-06

Prepared: 09/07/10 Analyzed: 09/14/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
Chloroethane	ND	ppbv	ND		25	U
Trichlorofluoromethane	0.282	ppbv	0.29	1.59	25	
Acrylonitrile	ND	ppbv	ND		25	U
1,1-Dichloroethene	ND	ppbv	ND		25	U
Dichloromethane	0.079	ppbv	0.08	1.26	25	
Carbon Disulfide	1.28	ppbv	1.35	5.81	25	
Trichlorotrifluoroethane	0.098	ppbv	0.10	2.32	25	
trans-1,2-Dichloroethylene	ND	ppbv	ND		25	U
1,1-Dichloroethane	ND	ppbv	ND		25	U
Methyl tert-Butyl Ether	ND	ppbv	ND		25	U
Methyl Ethyl Ketone	0.760	ppbv	0.78	2.47	25	
Chloroprene	ND	ppbv	ND		25	U
cis-1,2-Dichloroethylene	ND	ppbv	ND		25	U
Bromochloromethane	ND	ppbv	ND		25	U
Chloroform	0.031	ppbv	0.03	2.21	25	
Ethyl tert-Butyl Ether	ND	ppbv	ND		25	U
1,2-Dichloroethane	ND	ppbv	ND		25	U
1,1,1-Trichloroethane	ND	ppbv	ND		25	U
Benzene	0.136	ppbv	0.13	2.16	25	
Carbon Tetrachloride	0.136	ppbv	0.14	1.68	25	
tert-Amyl Methyl Ether	ND	ppbv	ND		25	U
1,2-Dichloropropane	ND	ppbv	ND		25	U
Ethyl Acrylate	ND	ppbv	ND		25	U
Bromodichloromethane	ND	ppbv	ND		25	U
Trichloroethylene	ND	ppbv	ND		25	U
Methyl Methacrylate	ND	ppbv	ND		25	U
cis-1,3-Dichloropropene	ND	ppbv	ND		25	U
Methyl Isobutyl Ketone	0.049	ppbv	0.05	6.15	25	
trans-1,3-Dichloropropene	ND	ppbv	ND		25	U
1,1,2-Trichloroethane	ND	ppbv	ND		25	U
Toluene	0.822	ppbv	0.83	0.340	25	
Dibromochloromethane	ND	ppbv	ND		25	U
1,2-Dibromoethane	ND	ppbv	ND		25	U
n-Octane	0.058	ppbv	0.05	10.3	25	
Tetrachloroethylene	0.024	ppbv	0.02	6.54	25	
Chlorobenzene	ND	ppbv	ND		25	U
Ethylbenzene	0.110	ppbv	0.11	2.03	25	

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Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B011303 - Summa Canister Prep

Duplicate (B011303-DUP4) Continued

Source: 0090906-06

Prepared: 09/07/10 Analyzed: 09/14/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
m,p-Xylene	0.266	ppbv	0.26	2.13	25	
Bromoform	ND	ppbv	ND		25	U
Styrene	0.044	ppbv	0.04	15.0	25	
1,1,2,2-Tetrachloroethane	ND	ppbv	ND		25	U
o-Xylene	0.093	ppbv	0.09	5.73	25	
1,3,5-Trimethylbenzene	0.030	ppbv	0.03	9.19	25	
1,2,4-Trimethylbenzene	0.059	ppbv	0.06	4.15	25	
m-Dichlorobenzene	ND	ppbv	ND		25	U
Chloromethylbenzene	ND	ppbv	ND		25	U
p-Dichlorobenzene	0.019	ppbv	0.02	16.4	25	
o-Dichlorobenzene	ND	ppbv	ND		25	U
1,2,4-Trichlorobenzene	ND	ppbv	ND		25	U
Hexachloro-1,3-butadiene	ND	ppbv	ND		25	U

Batch B012404 - Summa Canister Prep

Duplicate (B012404-DUP1)

Source: 0092120-09

Prepared: 09/19/10 Analyzed: 09/27/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
Acetylene	0.924	ppbv	0.94	1.24	25	
Propylene	0.550	ppbv	0.55	0.291	25	
Dichlorodifluoromethane	0.561	ppbv	0.57	1.36	25	
Chloromethane	0.648	ppbv	0.66	1.87	25	
Dichlorotetrafluoroethane	0.023	ppbv	0.02	15.0	25	
Vinyl chloride	ND	ppbv	ND		25	U
1,3-Butadiene	0.060	ppbv	0.06	0.498	25	
Bromomethane	0.016	ppbv	ND		25	
Chloroethane	ND	ppbv	ND		25	U
Trichlorofluoromethane	0.280	ppbv	0.28	0.898	25	
Acrylonitrile	ND	ppbv	ND		25	U
1,1-Dichloroethene	ND	ppbv	ND		25	U
Dichloromethane	0.094	ppbv	0.09	3.13	25	
Carbon Disulfide	0.080	ppbv	0.08	4.59	25	
Trichlorotrifluoroethane	0.092	ppbv	0.09	3.52	25	
trans-1,2-Dichloroethylene	ND	ppbv	ND		25	U
1,1-Dichloroethane	ND	ppbv	ND		25	U
Methyl tert-Butyl Ether	ND	ppbv	ND		25	U
Methyl Ethyl Ketone	1.05	ppbv	1.04	0.737	25	
Chloroprene	ND	ppbv	ND		25	U
cis-1,2-Dichloroethylene	ND	ppbv	ND		25	U
Bromochloromethane	ND	ppbv	ND		25	U

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Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B012404 - Summa Canister Prep

Duplicate (B012404-DUP1) Continued

Source: 0092120-09

Prepared: 09/19/10 Analyzed: 09/27/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
Chloroform	0.034	ppbv	0.03	9.20	25	
Ethyl tert-Butyl Ether	ND	ppbv	ND		25	U
1,2-Dichloroethane	ND	ppbv	ND		25	U
1,1,1-Trichloroethane	ND	ppbv	ND		25	U
Benzene	0.736	ppbv	0.73	0.778	25	
Carbon Tetrachloride	0.130	ppbv	0.13	1.30	25	
tert-Amyl Methyl Ether	ND	ppbv	ND		25	U
1,2-Dichloropropane	ND	ppbv	ND		25	U
Ethyl Acrylate	ND	ppbv	ND		25	U
Bromodichloromethane	ND	ppbv	ND		25	U
Trichloroethylene	ND	ppbv	ND		25	U
Methyl Methacrylate	ND	ppbv	ND		25	U
cis-1,3-Dichloropropene	ND	ppbv	ND		25	U
Methyl Isobutyl Ketone	0.098	ppbv	0.10	4.20	25	
trans-1,3-Dichloropropene	ND	ppbv	ND		25	U
1,1,2-Trichloroethane	ND	ppbv	ND		25	U
Toluene	2.14	ppbv	2.06	3.50	25	
Dibromochloromethane	ND	ppbv	ND		25	U
1,2-Dibromoethane	ND	ppbv	ND		25	U
n-Octane	0.167	ppbv	0.16	6.31	25	
Tetrachloroethylene	0.063	ppbv	0.06	9.43	25	
Chlorobenzene	ND	ppbv	ND		25	U
Ethylbenzene	0.252	ppbv	0.24	5.89	25	
m,p-Xylene	0.787	ppbv	0.75	4.25	25	
Bromoform	ND	ppbv	ND		25	U
Styrene	0.053	ppbv	0.04	23.4	25	
1,1,2,2-Tetrachloroethane	ND	ppbv	ND		25	U
o-Xylene	0.260	ppbv	0.25	4.00	25	
1,3,5-Trimethylbenzene	0.074	ppbv	0.06	14.3	25	
1,2,4-Trimethylbenzene	0.213	ppbv	0.20	7.81	25	
m-Dichlorobenzene	ND	ppbv	ND		25	U
Chloromethylbenzene	ND	ppbv	ND		25	U
p-Dichlorobenzene	0.045	ppbv	0.04	6.63	25	
o-Dichlorobenzene	ND	ppbv	ND		25	U
1,2,4-Trichlorobenzene	ND	ppbv	ND		25	U
Hexachloro-1,3-butadiene	ND	ppbv	ND		25	U

Duplicate (B012404-DUP2)

Source: 0092120-10

Prepared: 09/19/10 Analyzed: 09/27/10



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Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B012404 - Summa Canister Prep

Duplicate (B012404-DUP2) Continued

Source: 0092120-10

Prepared: 09/19/10 Analyzed: 09/27/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
Acetylene	0.918	ppbv	0.95	3.85	25	
Propylene	0.555	ppbv	0.56	0.915	25	
Dichlorodifluoromethane	0.555	ppbv	0.57	2.40	25	
Chloromethane	0.645	ppbv	0.66	2.18	25	
Dichlorotetrafluoroethane	0.023	ppbv	0.02	11.9	25	
Vinyl chloride	ND	ppbv	ND		25	U
1,3-Butadiene	0.060	ppbv	0.06	0.998	25	
Bromomethane	0.017	ppbv	0.01	22.5	25	
Chloroethane	ND	ppbv	ND		25	U
Trichlorofluoromethane	0.274	ppbv	0.28	2.59	25	
Acrylonitrile	ND	ppbv	ND		25	U
1,1-Dichloroethene	ND	ppbv	ND		25	U
Dichloromethane	0.095	ppbv	0.09	2.01	25	
Carbon Disulfide	0.080	ppbv	0.08	2.52	25	
Trichlorotrifluoroethane	0.091	ppbv	0.09	1.09	25	
trans-1,2-Dichloroethylene	ND	ppbv	ND		25	U
1,1-Dichloroethane	ND	ppbv	ND		25	U
Methyl tert-Butyl Ether	ND	ppbv	ND		25	U
Methyl Ethyl Ketone	0.950	ppbv	1.02	6.71	25	
Chloroprene	ND	ppbv	ND		25	U
cis-1,2-Dichloroethylene	ND	ppbv	ND		25	U
Bromochloromethane	ND	ppbv	ND		25	U
Chloroform	0.036	ppbv	0.03	9.97	25	
Ethyl tert-Butyl Ether	ND	ppbv	ND		25	U
1,2-Dichloroethane	ND	ppbv	ND		25	U
1,1,1-Trichloroethane	0.020	ppbv	ND		25	
Benzene	0.734	ppbv	0.76	3.49	25	
Carbon Tetrachloride	0.126	ppbv	0.13	5.98	25	
tert-Amyl Methyl Ether	ND	ppbv	ND		25	U
1,2-Dichloropropane	ND	ppbv	ND		25	U
Ethyl Acrylate	ND	ppbv	ND		25	U
Bromodichloromethane	ND	ppbv	ND		25	U
Trichloroethylene	ND	ppbv	ND		25	U
Methyl Methacrylate	ND	ppbv	ND		25	U
cis-1,3-Dichloropropene	ND	ppbv	ND		25	U
Methyl Isobutyl Ketone	0.098	ppbv	0.11	9.54	25	
trans-1,3-Dichloropropene	ND	ppbv	ND		25	U



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Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B012404 - Summa Canister Prep

Duplicate (B012404-DUP2) Continued

Source: 0092120-10

Prepared: 09/19/10 Analyzed: 09/27/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
1,1,2-Trichloroethane	ND	ppbv	ND		25	U
Toluene	2.20	ppbv	2.22	1.02	25	
Dibromochloromethane	ND	ppbv	ND		25	U
1,2-Dibromoethane	ND	ppbv	ND		25	U
n-Octane	0.171	ppbv	0.17	1.86	25	
Tetrachloroethylene	0.067	ppbv	0.06	7.15	25	
Chlorobenzene	ND	ppbv	ND		25	U
Ethylbenzene	0.256	ppbv	0.26	0.0390	25	
m,p-Xylene	0.803	ppbv	0.81	0.596	25	
Bromoform	ND	ppbv	ND		25	U
Styrene	0.056	ppbv	0.05	11.1	25	
1,1,2,2-Tetrachloroethane	ND	ppbv	ND		25	U
o-Xylene	0.268	ppbv	0.27	0.186	25	
1,3,5-Trimethylbenzene	0.077	ppbv	0.07	7.97	25	
1,2,4-Trimethylbenzene	0.220	ppbv	0.22	2.21	25	
m-Dichlorobenzene	ND	ppbv	ND		25	U
Chloromethylbenzene	ND	ppbv	ND		25	U
p-Dichlorobenzene	0.046	ppbv	0.04	8.14	25	
o-Dichlorobenzene	ND	ppbv	ND		25	U
1,2,4-Trichlorobenzene	ND	ppbv	ND		25	U
Hexachloro-1,3-butadiene	ND	ppbv	ND		25	U

Duplicate (B012404-DUP3)

Source: 0092120-15

Prepared: 09/19/10 Analyzed: 09/27/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
Acetylene	1.09	ppbv	1.10	1.14	25	
Propylene	0.351	ppbv	0.35	0.0854	25	
Dichlorodifluoromethane	0.529	ppbv	0.54	1.59	25	
Chloromethane	0.664	ppbv	0.67	1.42	25	
Dichlorotetrafluoroethane	0.019	ppbv	0.02	6.38	25	
Vinyl chloride	ND	ppbv	ND		25	U
1,3-Butadiene	0.017	ppbv	0.02	3.06	25	
Bromomethane	0.016	ppbv	0.02	8.20	25	
Chloroethane	ND	ppbv	ND		25	U
Trichlorofluoromethane	0.265	ppbv	0.27	0.678	25	
Acrylonitrile	ND	ppbv	ND		25	U
1,1-Dichloroethene	ND	ppbv	ND		25	U
Dichloromethane	0.078	ppbv	0.07	5.54	25	
Carbon Disulfide	0.467	ppbv	0.47	1.17	25	
Trichlorotrifluoroethane	0.089	ppbv	0.09	1.81	25	

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Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B012404 - Summa Canister Prep

Duplicate (B012404-DUP3) Continued

Source: 0092120-15

Prepared: 09/19/10 Analyzed: 09/27/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
trans-1,2-Dichloroethylene	ND	ppbv	ND		25	U
1,1-Dichloroethane	ND	ppbv	ND		25	U
Methyl tert-Butyl Ether	ND	ppbv	ND		25	U
Methyl Ethyl Ketone	1.35	ppbv	1.33	1.38	25	
Chloroprene	ND	ppbv	ND		25	U
cis-1,2-Dichloroethylene	ND	ppbv	ND		25	U
Bromochloromethane	ND	ppbv	ND		25	U
Chloroform	0.060	ppbv	0.06	4.59	25	
Ethyl tert-Butyl Ether	ND	ppbv	ND		25	U
1,2-Dichloroethane	ND	ppbv	ND		25	U
1,1,1-Trichloroethane	ND	ppbv	ND		25	U
Benzene	0.224	ppbv	0.22	1.67	25	
Carbon Tetrachloride	0.128	ppbv	0.13	1.85	25	
tert-Amyl Methyl Ether	ND	ppbv	ND		25	U
1,2-Dichloropropane	ND	ppbv	ND		25	U
Ethyl Acrylate	ND	ppbv	ND		25	U
Bromodichloromethane	ND	ppbv	ND		25	U
Trichloroethylene	ND	ppbv	ND		25	U
Methyl Methacrylate	ND	ppbv	ND		25	U
cis-1,3-Dichloropropene	ND	ppbv	ND		25	U
Methyl Isobutyl Ketone	0.066	ppbv	0.07	1.53	25	
trans-1,3-Dichloropropene	ND	ppbv	ND		25	U
1,1,2-Trichloroethane	ND	ppbv	ND		25	U
Toluene	0.596	ppbv	0.60	0.117	25	
Dibromochloromethane	ND	ppbv	ND		25	U
1,2-Dibromoethane	ND	ppbv	ND		25	U
n-Octane	0.086	ppbv	0.08	3.57	25	
Tetrachloroethylene	0.015	ppbv	0.01	10.8	25	
Chlorobenzene	ND	ppbv	ND		25	U
Ethylbenzene	0.076	ppbv	0.07	5.66	25	
m,p-Xylene	0.206	ppbv	0.20	1.57	25	
Bromoform	ND	ppbv	ND		25	U
Styrene	0.072	ppbv	0.07	7.95	25	
1,1,2,2-Tetrachloroethane	ND	ppbv	ND		25	U
o-Xylene	0.076	ppbv	0.07	2.82	25	
1,3,5-Trimethylbenzene	0.029	ppbv	0.03	9.29	25	
1,2,4-Trimethylbenzene	0.068	ppbv	0.06	5.90	25	

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Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B012404 - Summa Canister Prep

Duplicate (B012404-DUP3) Continued

Source: 0092120-15

Prepared: 09/19/10 Analyzed: 09/27/10

m-Dichlorobenzene	ND	ppbv	ND		25	U
Chloromethylbenzene	ND	ppbv	ND		25	U
p-Dichlorobenzene	ND	ppbv	ND		25	U
o-Dichlorobenzene	ND	ppbv	ND		25	U
1,2,4-Trichlorobenzene	ND	ppbv	ND		25	U
Hexachloro-1,3-butadiene	ND	ppbv	ND		25	U

Duplicate (B012404-DUP4)

Source: 0092120-16

Prepared: 09/19/10 Analyzed: 09/27/10

Acetylene	0.570	ppbv	0.55	3.92	25	
Propylene	0.332	ppbv	0.32	4.88	25	
Dichlorodifluoromethane	0.532	ppbv	0.52	2.19	25	
Chloromethane	0.678	ppbv	0.66	2.00	25	
Dichlorotetrafluoroethane	0.019	ppbv	0.02	8.60	25	
Vinyl chloride	ND	ppbv	ND		25	U
1,3-Butadiene	0.015	ppbv	ND		25	
Bromomethane	0.016	ppbv	0.02	7.84	25	
Chloroethane	ND	ppbv	ND		25	U
Trichlorofluoromethane	0.264	ppbv	0.26	1.30	25	
Acrylonitrile	ND	ppbv	ND		25	U
1,1-Dichloroethene	ND	ppbv	ND		25	U
Dichloromethane	0.079	ppbv	0.08	2.42	25	
Carbon Disulfide	0.487	ppbv	0.47	3.51	25	
Trichlorotrifluoroethane	0.089	ppbv	0.09	3.89	25	
trans-1,2-Dichloroethylene	ND	ppbv	ND		25	U
1,1-Dichloroethane	ND	ppbv	ND		25	U
Methyl tert-Butyl Ether	ND	ppbv	ND		25	U
Methyl Ethyl Ketone	1.07	ppbv	1.03	3.96	25	
Chloroprene	ND	ppbv	ND		25	U
cis-1,2-Dichloroethylene	ND	ppbv	ND		25	U
Bromochloromethane	ND	ppbv	ND		25	U
Chloroform	0.055	ppbv	0.05	2.39	25	
Ethyl tert-Butyl Ether	ND	ppbv	ND		25	U
1,2-Dichloroethane	ND	ppbv	ND		25	U
1,1,1-Trichloroethane	ND	ppbv	ND		25	U
Benzene	0.216	ppbv	0.21	2.06	25	
Carbon Tetrachloride	0.130	ppbv	0.13	2.72	25	
tert-Amyl Methyl Ether	ND	ppbv	ND		25	U
1,2-Dichloropropane	ND	ppbv	ND		25	U

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Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B0I2404 - Summa Canister Prep

Duplicate (B0I2404-DUP4) Continued

Source: 0092120-16

Prepared: 09/19/10 Analyzed: 09/27/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
Ethyl Acrylate	ND	ppbv	ND		25	U
Bromodichloromethane	ND	ppbv	ND		25	U
Trichloroethylene	ND	ppbv	ND		25	U
Methyl Methacrylate	ND	ppbv	ND		25	U
cis-1,3-Dichloropropene	ND	ppbv	ND		25	U
Methyl Isobutyl Ketone	0.051	ppbv	0.05	6.87	25	
trans-1,3-Dichloropropene	ND	ppbv	ND		25	U
1,1,2-Trichloroethane	ND	ppbv	ND		25	U
Toluene	0.419	ppbv	0.41	2.49	25	
Dibromochloromethane	ND	ppbv	ND		25	U
1,2-Dibromoethane	ND	ppbv	ND		25	U
n-Octane	0.085	ppbv	0.08	7.06	25	
Tetrachloroethylene	0.014	ppbv	ND		25	
Chlorobenzene	ND	ppbv	ND		25	U
Ethylbenzene	0.068	ppbv	0.06	9.70	25	
m,p-Xylene	0.182	ppbv	0.17	4.89	25	
Bromoform	ND	ppbv	ND		25	U
Styrene	0.067	ppbv	0.06	9.15	25	
1,1,2,2-Tetrachloroethane	ND	ppbv	ND		25	U
o-Xylene	0.066	ppbv	0.06	6.40	25	
1,3,5-Trimethylbenzene	0.027	ppbv	0.02	18.0	25	
1,2,4-Trimethylbenzene	0.058	ppbv	0.05	7.00	25	
m-Dichlorobenzene	ND	ppbv	ND		25	U
Chloromethylbenzene	ND	ppbv	ND		25	U
p-Dichlorobenzene	ND	ppbv	ND		25	U
o-Dichlorobenzene	ND	ppbv	ND		25	U
1,2,4-Trichlorobenzene	ND	ppbv	ND		25	U
Hexachloro-1,3-butadiene	ND	ppbv	ND		25	U

Batch B0J0702 - Summa Canister Prep

Duplicate (B0J0702-DUP1)

Source: 0100601-05

Prepared: 10/04/10 Analyzed: 10/07/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
Acetylene	1.00	ppbv	0.93	7.84	25	
Propylene	0.703	ppbv	0.66	6.77	25	
Dichlorodifluoromethane	0.614	ppbv	0.57	6.70	25	
Chloromethane	0.616	ppbv	0.58	6.70	25	
Dichlorotetrafluoroethane	0.019	ppbv	0.02	3.21	25	
Vinyl chloride	ND	ppbv	ND		25	U
1,3-Butadiene	0.072	ppbv	0.07	6.48	25	

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Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B0J0702 - Summa Canister Prep

Duplicate (B0J0702-DUP1) Continued **Source: 0100601-05** Prepared: 10/04/10 Analyzed: 10/07/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
Bromomethane	0.013	ppbv	ND		25	
Chloroethane	ND	ppbv	ND		25	U
Trichlorofluoromethane	0.283	ppbv	0.27	4.96	25	
Acrylonitrile	ND	ppbv	ND		25	U
1,1-Dichloroethene	ND	ppbv	ND		25	U
Dichloromethane	0.145	ppbv	0.14	3.59	25	
Carbon Disulfide	0.060	ppbv	0.06	6.36	25	
Trichlorotrifluoroethane	0.093	ppbv	0.09	8.83	25	
trans-1,2-Dichloroethylene	ND	ppbv	ND		25	U
1,1-Dichloroethane	ND	ppbv	ND		25	U
Methyl tert-Butyl Ether	ND	ppbv	ND		25	U
Methyl Ethyl Ketone	0.382	ppbv	0.34	10.6	25	
Chloroprene	ND	ppbv	ND		25	U
cis-1,2-Dichloroethylene	ND	ppbv	ND		25	U
Bromochloromethane	ND	ppbv	ND		25	U
Chloroform	0.024	ppbv	0.03	4.48	25	
Ethyl tert-Butyl Ether	ND	ppbv	ND		25	U
1,2-Dichloroethane	ND	ppbv	ND		25	U
1,1,1-Trichloroethane	ND	ppbv	ND		25	U
Benzene	0.670	ppbv	0.65	3.46	25	
Carbon Tetrachloride	0.115	ppbv	0.11	9.64	25	
tert-Amyl Methyl Ether	ND	ppbv	ND		25	U
1,2-Dichloropropane	ND	ppbv	ND		25	U
Ethyl Acrylate	ND	ppbv	ND		25	U
Bromodichloromethane	ND	ppbv	ND		25	U
Trichloroethylene	ND	ppbv	ND		25	U
Methyl Methacrylate	ND	ppbv	ND		25	U
cis-1,3-Dichloropropene	ND	ppbv	ND		25	U
Methyl Isobutyl Ketone	0.064	ppbv	0.06	12.1	25	
trans-1,3-Dichloropropene	ND	ppbv	ND		25	U
1,1,2-Trichloroethane	ND	ppbv	ND		25	U
Toluene	1.28	ppbv	1.30	1.52	25	
Dibromochloromethane	ND	ppbv	ND		25	U
1,2-Dibromoethane	ND	ppbv	ND		25	U
n-Octane	0.090	ppbv	0.09	2.94	25	
Tetrachloroethylene	0.032	ppbv	0.03	1.85	25	
Chlorobenzene	ND	ppbv	ND		25	U

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 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B0J0702 - Summa Canister Prep

Duplicate (B0J0702-DUP1) Continued

Source: 0100601-05

Prepared: 10/04/10 Analyzed: 10/07/10

Ethylbenzene	0.154	ppbv	0.15	0.913	25	
m,p-Xylene	0.409	ppbv	0.41	0.637	25	
Bromoform	ND	ppbv	ND		25	U
Styrene	0.038	ppbv	0.04	4.55	25	
1,1,2,2-Tetrachloroethane	ND	ppbv	ND		25	U
o-Xylene	0.148	ppbv	0.14	3.31	25	
1,3,5-Trimethylbenzene	0.043	ppbv	0.04	9.83	25	
1,2,4-Trimethylbenzene	0.115	ppbv	0.11	6.75	25	
m-Dichlorobenzene	ND	ppbv	ND		25	U
Chloromethylbenzene	ND	ppbv	ND		25	U
p-Dichlorobenzene	0.024	ppbv	0.02	1.26	25	
o-Dichlorobenzene	ND	ppbv	ND		25	U
1,2,4-Trichlorobenzene	ND	ppbv	ND		25	U
Hexachloro-1,3-butadiene	ND	ppbv	ND		25	U

Duplicate (B0J0702-DUP2)

Source: 0100601-04

Prepared: 10/04/10 Analyzed: 10/07/10

Acetylene	0.969	ppbv	0.97	0.341	25	
Propylene	0.669	ppbv	0.67	0.670	25	
Dichlorodifluoromethane	0.589	ppbv	0.59	0.203	25	
Chloromethane	0.588	ppbv	0.60	1.25	25	
Dichlorotetrafluoroethane	0.018	ppbv	0.02	0.545	25	
Vinyl chloride	ND	ppbv	ND		25	U
1,3-Butadiene	0.071	ppbv	0.07	0.564	25	
Bromomethane	ND	ppbv	ND		25	U
Chloroethane	ND	ppbv	ND		25	U
Trichlorofluoromethane	0.278	ppbv	0.28	1.29	25	
Acrylonitrile	ND	ppbv	ND		25	U
1,1-Dichloroethene	ND	ppbv	ND		25	U
Dichloromethane	0.140	ppbv	0.14	0.791	25	
Carbon Disulfide	0.056	ppbv	0.06	1.79	25	
Trichlorotrifluoroethane	0.089	ppbv	0.09	0.895	25	
trans-1,2-Dichloroethylene	ND	ppbv	ND		25	U
1,1-Dichloroethane	ND	ppbv	ND		25	U
Methyl tert-Butyl Ether	ND	ppbv	ND		25	U
Methyl Ethyl Ketone	0.426	ppbv	0.43	0.749	25	
Chloroprene	ND	ppbv	ND		25	U
cis-1,2-Dichloroethylene	ND	ppbv	ND		25	U
Bromochloromethane	ND	ppbv	ND		25	U

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Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B0J0702 - Summa Canister Prep

Duplicate (B0J0702-DUP2) Continued

Source: 0100601-04

Prepared: 10/04/10 Analyzed: 10/07/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
Chloroform	0.025	ppbv	0.03	3.55	25	
Ethyl tert-Butyl Ether	ND	ppbv	ND		25	U
1,2-Dichloroethane	ND	ppbv	ND		25	U
1,1,1-Trichloroethane	ND	ppbv	ND		25	U
Benzene	0.663	ppbv	0.66	0.242	25	
Carbon Tetrachloride	0.109	ppbv	0.11	0.919	25	
tert-Amyl Methyl Ether	ND	ppbv	ND		25	U
1,2-Dichloropropane	ND	ppbv	ND		25	U
Ethyl Acrylate	ND	ppbv	ND		25	U
Bromodichloromethane	ND	ppbv	ND		25	U
Trichloroethylene	ND	ppbv	ND		25	U
Methyl Methacrylate	ND	ppbv	ND		25	U
cis-1,3-Dichloropropene	ND	ppbv	ND		25	U
Methyl Isobutyl Ketone	0.066	ppbv	0.06	6.10	25	
trans-1,3-Dichloropropene	ND	ppbv	ND		25	U
1,1,2-Trichloroethane	ND	ppbv	ND		25	U
Toluene	1.29	ppbv	1.32	1.90	25	
Dibromochloromethane	ND	ppbv	ND		25	U
1,2-Dibromoethane	ND	ppbv	ND		25	U
n-Octane	0.092	ppbv	0.09	3.32	25	
Tetrachloroethylene	0.038	ppbv	0.04	2.64	25	
Chlorobenzene	ND	ppbv	ND		25	U
Ethylbenzene	0.155	ppbv	0.16	0.835	25	
m,p-Xylene	0.426	ppbv	0.42	0.588	25	
Bromoform	ND	ppbv	ND		25	U
Styrene	0.042	ppbv	0.04	5.96	25	
1,1,2,2-Tetrachloroethane	ND	ppbv	ND		25	U
o-Xylene	0.152	ppbv	0.15	0.329	25	
1,3,5-Trimethylbenzene	0.049	ppbv	0.05	5.88	25	
1,2,4-Trimethylbenzene	0.132	ppbv	0.13	3.38	25	
m-Dichlorobenzene	ND	ppbv	ND		25	U
Chloromethylbenzene	ND	ppbv	ND		25	U
p-Dichlorobenzene	0.031	ppbv	0.03	0.325	25	
o-Dichlorobenzene	ND	ppbv	ND		25	U
1,2,4-Trichlorobenzene	ND	ppbv	ND		25	U
Hexachloro-1,3-butadiene	ND	ppbv	ND		25	U

Duplicate (B0J0702-DUP3)

Source: 0100601-06

Prepared: 10/04/10 Analyzed: 10/07/10



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Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B0J0702 - Summa Canister Prep

Duplicate (B0J0702-DUP3) Continued

Source: 0100601-06

Prepared: 10/04/10 Analyzed: 10/07/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
Acetylene	0.527	ppbv	0.53	0.114	25	
Propylene	0.293	ppbv	0.29	0.170	25	
Dichlorodifluoromethane	0.547	ppbv	0.55	0.638	25	
Chloromethane	0.539	ppbv	0.54	0.389	25	
Dichlorotetrafluoroethane	0.016	ppbv	0.02	0.608	25	
Vinyl chloride	ND	ppbv	ND		25	U
1,3-Butadiene	0.016	ppbv	0.02	1.90	25	
Bromomethane	ND	ppbv	ND		25	U
Chloroethane	ND	ppbv	ND		25	U
Trichlorofluoromethane	0.258	ppbv	0.26	0.696	25	
Acrylonitrile	ND	ppbv	ND		25	U
1,1-Dichloroethene	ND	ppbv	ND		25	U
Dichloromethane	0.094	ppbv	0.09	1.29	25	
Carbon Disulfide	0.558	ppbv	0.56	0.467	25	
Trichlorotrifluoroethane	0.084	ppbv	0.09	2.80	25	
trans-1,2-Dichloroethylene	ND	ppbv	ND		25	U
1,1-Dichloroethane	ND	ppbv	ND		25	U
Methyl tert-Butyl Ether	ND	ppbv	ND		25	U
Methyl Ethyl Ketone	0.205	ppbv	0.20	3.72	25	
Chloroprene	ND	ppbv	ND		25	U
cis-1,2-Dichloroethylene	ND	ppbv	ND		25	U
Bromochloromethane	ND	ppbv	ND		25	U
Chloroform	0.026	ppbv	0.03	0.772	25	
Ethyl tert-Butyl Ether	ND	ppbv	ND		25	U
1,2-Dichloroethane	ND	ppbv	ND		25	U
1,1,1-Trichloroethane	ND	ppbv	ND		25	U
Benzene	0.185	ppbv	0.18	3.52	25	
Carbon Tetrachloride	0.107	ppbv	0.10	2.56	25	
tert-Amyl Methyl Ether	ND	ppbv	ND		25	U
1,2-Dichloropropane	ND	ppbv	ND		25	U
Ethyl Acrylate	ND	ppbv	ND		25	U
Bromodichloromethane	ND	ppbv	ND		25	U
Trichloroethylene	ND	ppbv	ND		25	U
Methyl Methacrylate	ND	ppbv	ND		25	U
cis-1,3-Dichloropropene	ND	ppbv	ND		25	U
Methyl Isobutyl Ketone	ND	ppbv	ND		25	U
trans-1,3-Dichloropropene	ND	ppbv	ND		25	U

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Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B0J0702 - Summa Canister Prep

Duplicate (B0J0702-DUP3) Continued

Source: 0100601-06

Prepared: 10/04/10 Analyzed: 10/07/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
1,1,2-Trichloroethane	ND	ppbv	ND		25	U
Toluene	0.354	ppbv	0.34	4.50	25	
Dibromochloromethane	ND	ppbv	ND		25	U
1,2-Dibromoethane	ND	ppbv	ND		25	U
n-Octane	0.046	ppbv	0.04	9.24	25	
Tetrachloroethylene	0.016	ppbv	ND		25	
Chlorobenzene	ND	ppbv	ND		25	U
Ethylbenzene	0.052	ppbv	0.05	7.54	25	
m,p-Xylene	0.118	ppbv	0.11	3.72	25	
Bromoform	ND	ppbv	ND		25	U
Styrene	0.028	ppbv	0.03	3.99	25	
1,1,2,2-Tetrachloroethane	ND	ppbv	ND		25	U
o-Xylene	0.049	ppbv	0.05	6.69	25	
1,3,5-Trimethylbenzene	0.020	ppbv	0.02	6.12	25	
1,2,4-Trimethylbenzene	0.044	ppbv	0.04	7.79	25	
m-Dichlorobenzene	ND	ppbv	ND		25	U
Chloromethylbenzene	ND	ppbv	ND		25	U
p-Dichlorobenzene	ND	ppbv	ND		25	U
o-Dichlorobenzene	ND	ppbv	ND		25	U
1,2,4-Trichlorobenzene	ND	ppbv	ND		25	U
Hexachloro-1,3-butadiene	ND	ppbv	ND		25	U

Duplicate (B0J0702-DUP4)

Source: 0100601-07

Prepared: 10/04/10 Analyzed: 10/08/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
Acetylene	0.472	ppbv	0.48	2.51	25	
Propylene	0.332	ppbv	0.35	6.16	25	
Dichlorodifluoromethane	0.556	ppbv	0.57	2.92	25	
Chloromethane	0.549	ppbv	0.57	3.62	25	
Dichlorotetrafluoroethane	0.017	ppbv	0.02	0.583	25	
Vinyl chloride	ND	ppbv	ND		25	U
1,3-Butadiene	0.018	ppbv	0.02	1.66	25	
Bromomethane	ND	ppbv	ND		25	U
Chloroethane	ND	ppbv	ND		25	U
Trichlorofluoromethane	0.262	ppbv	0.27	2.41	25	
Acrylonitrile	ND	ppbv	ND		25	U
1,1-Dichloroethene	ND	ppbv	ND		25	U
Dichloromethane	0.100	ppbv	0.10	1.61	25	
Carbon Disulfide	0.555	ppbv	0.56	0.288	25	
Trichlorotrifluoroethane	0.087	ppbv	0.09	1.03	25	

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Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B0J0702 - Summa Canister Prep

Duplicate (B0J0702-DUP4) Continued

Source: 0100601-07

Prepared: 10/04/10 Analyzed: 10/08/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
trans-1,2-Dichloroethylene	ND	ppbv	ND		25	U
1,1-Dichloroethane	ND	ppbv	ND		25	U
Methyl tert-Butyl Ether	ND	ppbv	ND		25	U
Methyl Ethyl Ketone	0.357	ppbv	0.36	1.20	25	
Chloroprene	ND	ppbv	ND		25	U
cis-1,2-Dichloroethylene	ND	ppbv	ND		25	U
Bromochloromethane	ND	ppbv	ND		25	U
Chloroform	0.026	ppbv	0.03	1.96	25	
Ethyl tert-Butyl Ether	ND	ppbv	ND		25	U
1,2-Dichloroethane	ND	ppbv	ND		25	U
1,1,1-Trichloroethane	ND	ppbv	ND		25	U
Benzene	0.168	ppbv	0.17	1.88	25	
Carbon Tetrachloride	0.100	ppbv	0.10	4.61	25	
tert-Amyl Methyl Ether	ND	ppbv	ND		25	U
1,2-Dichloropropane	ND	ppbv	ND		25	U
Ethyl Acrylate	ND	ppbv	ND		25	U
Bromodichloromethane	ND	ppbv	ND		25	U
Trichloroethylene	ND	ppbv	ND		25	U
Methyl Methacrylate	ND	ppbv	ND		25	U
cis-1,3-Dichloropropene	ND	ppbv	ND		25	U
Methyl Isobutyl Ketone	ND	ppbv	ND		25	U
trans-1,3-Dichloropropene	ND	ppbv	ND		25	U
1,1,2-Trichloroethane	ND	ppbv	ND		25	U
Toluene	0.335	ppbv	0.35	2.91	25	
Dibromochloromethane	ND	ppbv	ND		25	U
1,2-Dibromoethane	ND	ppbv	ND		25	U
n-Octane	0.037	ppbv	0.04	7.77	25	
Tetrachloroethylene	0.016	ppbv	0.02	1.80	25	
Chlorobenzene	ND	ppbv	ND		25	U
Ethylbenzene	0.046	ppbv	0.05	2.61	25	
m,p-Xylene	0.102	ppbv	0.10	2.67	25	
Bromoform	ND	ppbv	ND		25	U
Styrene	ND	ppbv	ND		25	U
1,1,2,2-Tetrachloroethane	ND	ppbv	ND		25	U
o-Xylene	0.040	ppbv	0.04	7.45	25	
1,3,5-Trimethylbenzene	0.013	ppbv	ND		25	
1,2,4-Trimethylbenzene	0.029	ppbv	0.02	34.4	25	

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Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B0J0702 - Summa Canister Prep

Duplicate (B0J0702-DUP4) Continued

Source: 0100601-07

Prepared: 10/04/10 Analyzed: 10/08/10

m-Dichlorobenzene	ND	ppbv	ND		25	U
Chloromethylbenzene	ND	ppbv	ND		25	U
p-Dichlorobenzene	ND	ppbv	ND		25	U
o-Dichlorobenzene	ND	ppbv	ND		25	U
1,2,4-Trichlorobenzene	ND	ppbv	ND		25	U
Hexachloro-1,3-butadiene	ND	ppbv	ND		25	U

Batch B0J1802 - Summa Canister Prep

Duplicate (B0J1802-DUP1)

Source: 0101514-04

Prepared: 10/13/10 Analyzed: 10/18/10

Acetylene	0.628	ppbv	0.64	1.38	25	
Propylene	0.570	ppbv	0.59	3.36	25	
Dichlorodifluoromethane	0.601	ppbv	0.59	2.46	25	
Chloromethane	0.726	ppbv	0.71	1.81	25	
Dichlorotetrafluoroethane	0.019	ppbv	0.02	2.12	25	
Vinyl chloride	ND	ppbv	ND		25	U
1,3-Butadiene	0.044	ppbv	0.05	2.88	25	
Bromomethane	0.014	ppbv	0.01	8.18	25	
Chloroethane	ND	ppbv	ND		25	U
Trichlorofluoromethane	0.284	ppbv	0.28	2.53	25	
Acrylonitrile	ND	ppbv	ND		25	U
1,1-Dichloroethene	ND	ppbv	ND		25	U
Dichloromethane	0.126	ppbv	0.12	7.43	25	
Carbon Disulfide	0.103	ppbv	0.10	1.37	25	
Trichlorotrifluoroethane	0.093	ppbv	0.09	3.71	25	
trans-1,2-Dichloroethylene	ND	ppbv	ND		25	U
1,1-Dichloroethane	ND	ppbv	ND		25	U
Methyl tert-Butyl Ether	ND	ppbv	ND		25	U
Methyl Ethyl Ketone	0.648	ppbv	0.61	5.55	25	
Chloroprene	ND	ppbv	ND		25	U
cis-1,2-Dichloroethylene	ND	ppbv	ND		25	U
Bromochloromethane	ND	ppbv	ND		25	U
Chloroform	0.024	ppbv	0.02	4.29	25	
Ethyl tert-Butyl Ether	ND	ppbv	ND		25	U
1,2-Dichloroethane	ND	ppbv	ND		25	U
1,1,1-Trichloroethane	ND	ppbv	ND		25	U
Benzene	0.425	ppbv	0.43	0.586	25	
Carbon Tetrachloride	0.110	ppbv	0.11	4.45	25	
tert-Amyl Methyl Ether	ND	ppbv	ND		25	U

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Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B0J1802 - Summa Canister Prep

Duplicate (B0J1802-DUP1) Continued

Source: 0101514-04

Prepared: 10/13/10 Analyzed: 10/18/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
1,2-Dichloropropane	ND	ppbv	ND		25	U
Ethyl Acrylate	ND	ppbv	ND		25	U
Bromodichloromethane	ND	ppbv	ND		25	U
Trichloroethylene	ND	ppbv	ND		25	U
Methyl Methacrylate	ND	ppbv	ND		25	U
cis-1,3-Dichloropropene	ND	ppbv	ND		25	U
Methyl Isobutyl Ketone	0.049	ppbv	0.05	1.83	25	
trans-1,3-Dichloropropene	ND	ppbv	ND		25	U
1,1,2-Trichloroethane	ND	ppbv	ND		25	U
Toluene	1.38	ppbv	1.40	1.38	25	
Dibromochloromethane	ND	ppbv	ND		25	U
1,2-Dibromoethane	ND	ppbv	ND		25	U
n-Octane	0.228	ppbv	0.23	1.57	25	
Tetrachloroethylene	0.078	ppbv	0.08	1.68	25	
Chlorobenzene	ND	ppbv	ND		25	U
Ethylbenzene	0.171	ppbv	0.17	0.0584	25	
m,p-Xylene	0.528	ppbv	0.53	0.494	25	
Bromoform	ND	ppbv	ND		25	U
Styrene	0.021	ppbv	0.02	3.76	25	
1,1,2,2-Tetrachloroethane	ND	ppbv	ND		25	U
o-Xylene	0.195	ppbv	0.19	0.616	25	
1,3,5-Trimethylbenzene	0.050	ppbv	0.04	12.0	25	
1,2,4-Trimethylbenzene	0.144	ppbv	0.13	6.77	25	
m-Dichlorobenzene	ND	ppbv	ND		25	U
Chloromethylbenzene	ND	ppbv	ND		25	U
p-Dichlorobenzene	0.031	ppbv	0.03	0.00	25	
o-Dichlorobenzene	ND	ppbv	ND		25	U
1,2,4-Trichlorobenzene	ND	ppbv	ND		25	U
Hexachloro-1,3-butadiene	ND	ppbv	ND		25	U

Duplicate (B0J1802-DUP2)

Source: 0101514-05

Prepared: 10/13/10 Analyzed: 10/18/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
Acetylene	0.640	ppbv	0.65	2.01	25	
Propylene	0.590	ppbv	0.60	1.95	25	
Dichlorodifluoromethane	0.603	ppbv	0.61	0.562	25	
Chloromethane	0.641	ppbv	0.65	0.963	25	
Dichlorotetrafluoroethane	0.021	ppbv	0.02	10.4	25	
Vinyl chloride	ND	ppbv	ND		25	U
1,3-Butadiene	0.047	ppbv	0.05	1.07	25	

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CERTIFICATE OF ANALYSIS

City of Fort Worth
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FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
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Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B0J1802 - Summa Canister Prep

Duplicate (B0J1802-DUP2) Continued

Source: 0101514-05

Prepared: 10/13/10 Analyzed: 10/18/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
Bromomethane	0.014	ppbv	ND		25	
Chloroethane	ND	ppbv	ND		25	U
Trichlorofluoromethane	0.291	ppbv	0.29	1.70	25	
Acrylonitrile	ND	ppbv	ND		25	U
1,1-Dichloroethene	ND	ppbv	ND		25	U
Dichloromethane	0.116	ppbv	0.11	7.72	25	
Carbon Disulfide	0.070	ppbv	0.07	3.94	25	
Trichlorotrifluoroethane	0.097	ppbv	0.09	4.84	25	
trans-1,2-Dichloroethylene	ND	ppbv	ND		25	U
1,1-Dichloroethane	ND	ppbv	ND		25	U
Methyl tert-Butyl Ether	ND	ppbv	ND		25	U
Methyl Ethyl Ketone	0.641	ppbv	0.60	6.27	25	
Chloroprene	ND	ppbv	ND		25	U
cis-1,2-Dichloroethylene	ND	ppbv	ND		25	U
Bromochloromethane	ND	ppbv	ND		25	U
Chloroform	0.023	ppbv	0.02	13.4	25	
Ethyl tert-Butyl Ether	ND	ppbv	ND		25	U
1,2-Dichloroethane	ND	ppbv	ND		25	U
1,1,1-Trichloroethane	ND	ppbv	ND		25	U
Benzene	0.441	ppbv	0.43	3.64	25	
Carbon Tetrachloride	0.112	ppbv	0.11	2.71	25	
tert-Amyl Methyl Ether	ND	ppbv	ND		25	U
1,2-Dichloropropane	ND	ppbv	ND		25	U
Ethyl Acrylate	ND	ppbv	ND		25	U
Bromodichloromethane	ND	ppbv	ND		25	U
Trichloroethylene	ND	ppbv	ND		25	U
Methyl Methacrylate	ND	ppbv	ND		25	U
cis-1,3-Dichloropropene	ND	ppbv	ND		25	U
Methyl Isobutyl Ketone	0.053	ppbv	0.05	4.21	25	
trans-1,3-Dichloropropene	ND	ppbv	ND		25	U
1,1,2-Trichloroethane	ND	ppbv	ND		25	U
Toluene	1.26	ppbv	1.25	0.907	25	
Dibromochloromethane	ND	ppbv	ND		25	U
1,2-Dibromoethane	ND	ppbv	ND		25	U
n-Octane	0.235	ppbv	0.23	1.54	25	
Tetrachloroethylene	0.080	ppbv	0.08	2.78	25	
Chlorobenzene	ND	ppbv	ND		25	U



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Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B0J1802 - Summa Canister Prep

Duplicate (B0J1802-DUP2) Continued

Source: 0101514-05

Prepared: 10/13/10 Analyzed: 10/18/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
Ethylbenzene	0.182	ppbv	0.18	1.33	25	
m,p-Xylene	0.581	ppbv	0.57	2.74	25	
Bromoform	ND	ppbv	ND		25	U
Styrene	0.027	ppbv	0.03	3.69	25	
1,1,2,2-Tetrachloroethane	ND	ppbv	ND		25	U
o-Xylene	0.215	ppbv	0.21	3.40	25	
1,3,5-Trimethylbenzene	0.058	ppbv	0.06	4.74	25	
1,2,4-Trimethylbenzene	0.165	ppbv	0.16	5.35	25	
m-Dichlorobenzene	ND	ppbv	ND		25	U
Chloromethylbenzene	ND	ppbv	ND		25	U
p-Dichlorobenzene	0.031	ppbv	0.03	8.35	25	
o-Dichlorobenzene	ND	ppbv	ND		25	U
1,2,4-Trichlorobenzene	ND	ppbv	ND		25	U
Hexachloro-1,3-butadiene	ND	ppbv	ND		25	U

Duplicate (B0J1802-DUP3)

Source: 0101514-06

Prepared: 10/13/10 Analyzed: 10/18/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
Acetylene	0.365	ppbv	0.36	2.19	25	
Propylene	0.246	ppbv	0.24	1.68	25	
Dichlorodifluoromethane	0.585	ppbv	0.58	0.686	25	
Chloromethane	0.612	ppbv	0.60	1.27	25	
Dichlorotetrafluoroethane	0.022	ppbv	0.02	2.29	25	
Vinyl chloride	ND	ppbv	ND		25	U
1,3-Butadiene	0.018	ppbv	0.02	0.539	25	
Bromomethane	0.017	ppbv	0.02	7.41	25	
Chloroethane	ND	ppbv	ND		25	U
Trichlorofluoromethane	0.281	ppbv	0.28	0.709	25	
Acrylonitrile	ND	ppbv	ND		25	U
1,1-Dichloroethene	ND	ppbv	ND		25	U
Dichloromethane	0.095	ppbv	0.10	1.04	25	
Carbon Disulfide	0.530	ppbv	0.52	1.25	25	
Trichlorotrifluoroethane	0.098	ppbv	0.10	0.102	25	
trans-1,2-Dichloroethylene	ND	ppbv	ND		25	U
1,1-Dichloroethane	ND	ppbv	ND		25	U
Methyl tert-Butyl Ether	ND	ppbv	ND		25	U
Methyl Ethyl Ketone	0.596	ppbv	0.60	0.151	25	
Chloroprene	ND	ppbv	ND		25	U
cis-1,2-Dichloroethylene	ND	ppbv	ND		25	U
Bromochloromethane	ND	ppbv	ND		25	U

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Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B0J1802 - Summa Canister Prep

Duplicate (B0J1802-DUP3) Continued

Source: 0101514-06

Prepared: 10/13/10 Analyzed: 10/18/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
Chloroform	0.024	ppbv	0.03	3.24	25	
Ethyl tert-Butyl Ether	ND	ppbv	ND		25	U
1,2-Dichloroethane	ND	ppbv	ND		25	U
1,1,1-Trichloroethane	ND	ppbv	ND		25	U
Benzene	0.189	ppbv	0.19	1.37	25	
Carbon Tetrachloride	0.113	ppbv	0.12	1.84	25	
tert-Amyl Methyl Ether	ND	ppbv	ND		25	U
1,2-Dichloropropane	ND	ppbv	ND		25	U
Ethyl Acrylate	ND	ppbv	ND		25	U
Bromodichloromethane	ND	ppbv	ND		25	U
Trichloroethylene	ND	ppbv	ND		25	U
Methyl Methacrylate	ND	ppbv	ND		25	U
cis-1,3-Dichloropropene	ND	ppbv	ND		25	U
Methyl Isobutyl Ketone	ND	ppbv	ND		25	U
trans-1,3-Dichloropropene	ND	ppbv	ND		25	U
1,1,2-Trichloroethane	ND	ppbv	ND		25	U
Toluene	0.233	ppbv	0.25	5.88	25	
Dibromochloromethane	ND	ppbv	ND		25	U
1,2-Dibromoethane	ND	ppbv	ND		25	U
n-Octane	0.090	ppbv	0.09	3.93	25	
Tetrachloroethylene	ND	ppbv	ND		25	U
Chlorobenzene	ND	ppbv	ND		25	U
Ethylbenzene	0.045	ppbv	0.05	3.68	25	
m,p-Xylene	0.120	ppbv	0.12	0.829	25	
Bromoform	ND	ppbv	ND		25	U
Styrene	0.022	ppbv	0.02	9.43	25	
1,1,2,2-Tetrachloroethane	ND	ppbv	ND		25	U
o-Xylene	0.046	ppbv	0.05	0.435	25	
1,3,5-Trimethylbenzene	0.021	ppbv	0.02	1.44	25	
1,2,4-Trimethylbenzene	0.040	ppbv	0.04	1.27	25	
m-Dichlorobenzene	ND	ppbv	ND		25	U
Chloromethylbenzene	ND	ppbv	ND		25	U
p-Dichlorobenzene	ND	ppbv	ND		25	U
o-Dichlorobenzene	ND	ppbv	ND		25	U
1,2,4-Trichlorobenzene	ND	ppbv	ND		25	U
Hexachloro-1,3-butadiene	ND	ppbv	ND		25	U

Duplicate (B0J1802-DUP4)

Source: 0101514-07

Prepared: 10/13/10 Analyzed: 10/18/10



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Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B0J1802 - Summa Canister Prep

Duplicate (B0J1802-DUP4) Continued **Source: 0101514-07** Prepared: 10/13/10 Analyzed: 10/18/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
Acetylene	0.396	ppbv	0.37	6.61	25	
Propylene	0.244	ppbv	0.24	3.34	25	
Dichlorodifluoromethane	0.625	ppbv	0.60	4.51	25	
Chloromethane	0.667	ppbv	0.64	4.16	25	
Dichlorotetrafluoroethane	0.023	ppbv	0.02	6.71	25	
Vinyl chloride	ND	ppbv	ND		25	U
1,3-Butadiene	ND	ppbv	ND		25	U
Bromomethane	0.017	ppbv	0.02	1.18	25	
Chloroethane	ND	ppbv	ND		25	U
Trichlorofluoromethane	0.303	ppbv	0.29	5.88	25	
Acrylonitrile	ND	ppbv	ND		25	U
1,1-Dichloroethene	ND	ppbv	ND		25	U
Dichloromethane	0.103	ppbv	0.10	1.67	25	
Carbon Disulfide	0.548	ppbv	0.52	5.38	25	
Trichlorotrifluoroethane	0.104	ppbv	0.10	3.94	25	
trans-1,2-Dichloroethylene	ND	ppbv	ND		25	U
1,1-Dichloroethane	ND	ppbv	ND		25	U
Methyl tert-Butyl Ether	ND	ppbv	ND		25	U
Methyl Ethyl Ketone	0.378	ppbv	0.35	7.36	25	
Chloroprene	ND	ppbv	ND		25	U
cis-1,2-Dichloroethylene	ND	ppbv	ND		25	U
Bromochloromethane	ND	ppbv	ND		25	U
Chloroform	0.026	ppbv	0.02	9.94	25	
Ethyl tert-Butyl Ether	ND	ppbv	ND		25	U
1,2-Dichloroethane	ND	ppbv	ND		25	U
1,1,1-Trichloroethane	ND	ppbv	ND		25	U
Benzene	0.190	ppbv	0.17	9.28	25	
Carbon Tetrachloride	0.120	ppbv	0.12	4.15	25	
tert-Amyl Methyl Ether	ND	ppbv	ND		25	U
1,2-Dichloropropane	ND	ppbv	ND		25	U
Ethyl Acrylate	ND	ppbv	ND		25	U
Bromodichloromethane	ND	ppbv	ND		25	U
Trichloroethylene	ND	ppbv	ND		25	U
Methyl Methacrylate	ND	ppbv	ND		25	U
cis-1,3-Dichloropropene	ND	ppbv	ND		25	U
Methyl Isobutyl Ketone	ND	ppbv	ND		25	U
trans-1,3-Dichloropropene	ND	ppbv	ND		25	U



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Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B0J1802 - Summa Canister Prep

Duplicate (B0J1802-DUP4) Continued

Source: 0101514-07

Prepared: 10/13/10 Analyzed: 10/18/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
1,1,2-Trichloroethane	ND	ppbv	ND		25	U
Toluene	0.255	ppbv	0.24	7.36	25	
Dibromochloromethane	ND	ppbv	ND		25	U
1,2-Dibromoethane	ND	ppbv	ND		25	U
n-Octane	0.098	ppbv	0.09	5.97	25	
Tetrachloroethylene	ND	ppbv	ND		25	U
Chlorobenzene	ND	ppbv	ND		25	U
Ethylbenzene	0.048	ppbv	0.04	7.39	25	
m,p-Xylene	0.119	ppbv	0.11	4.19	25	
Bromoform	ND	ppbv	ND		25	U
Styrene	ND	ppbv	ND		25	U
1,1,2,2-Tetrachloroethane	ND	ppbv	ND		25	U
o-Xylene	0.045	ppbv	0.05	0.446	25	
1,3,5-Trimethylbenzene	0.020	ppbv	0.02	1.02	25	
1,2,4-Trimethylbenzene	0.035	ppbv	0.04	0.856	25	
m-Dichlorobenzene	ND	ppbv	ND		25	U
Chloromethylbenzene	ND	ppbv	ND		25	U
p-Dichlorobenzene	ND	ppbv	ND		25	U
o-Dichlorobenzene	ND	ppbv	ND		25	U
1,2,4-Trichlorobenzene	ND	ppbv	ND		25	U
Hexachloro-1,3-butadiene	ND	ppbv	ND		25	U

Batch B0K0305 - Summa Canister Prep

Duplicate (B0K0305-DUP1)

Source: 0110212-06

Prepared: 10/28/10 Analyzed: 11/03/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
Acetylene	0.411	ppbv	0.42	2.26	25	
Propylene	0.714	ppbv	0.78	8.90	25	
Dichlorodifluoromethane	0.571	ppbv	0.61	5.86	25	
Chloromethane	0.556	ppbv	0.59	5.87	25	
Dichlorotetrafluoroethane	0.018	ppbv	0.02	3.86	25	
Vinyl chloride	ND	ppbv	ND		25	U
1,3-Butadiene	0.036	ppbv	0.04	12.4	25	
Bromomethane	ND	ppbv	ND		25	U
Chloroethane	ND	ppbv	ND		25	U
Trichlorofluoromethane	0.259	ppbv	0.27	5.22	25	
Acrylonitrile	ND	ppbv	ND		25	U
1,1-Dichloroethene	ND	ppbv	ND		25	U
Dichloromethane	0.057	ppbv	0.06	5.77	25	
Carbon Disulfide	0.029	ppbv	0.03	10.4	25	

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Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B0K0305 - Summa Canister Prep

Duplicate (B0K0305-DUP1) Continued **Source: 0110212-06** Prepared: 10/28/10 Analyzed: 11/03/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
Trichlorotrifluoroethane	0.084	ppbv	0.09	8.28	25	
trans-1,2-Dichloroethylene	ND	ppbv	ND		25	U
1,1-Dichloroethane	ND	ppbv	ND		25	U
Methyl tert-Butyl Ether	ND	ppbv	ND		25	U
Methyl Ethyl Ketone	0.684	ppbv	0.74	7.47	25	
Chloroprene	ND	ppbv	ND		25	U
cis-1,2-Dichloroethylene	ND	ppbv	ND		25	U
Bromochloromethane	ND	ppbv	ND		25	U
Chloroform	ND	ppbv	ND		25	U
Ethyl tert-Butyl Ether	ND	ppbv	ND		25	U
1,2-Dichloroethane	ND	ppbv	ND		25	U
1,1,1-Trichloroethane	ND	ppbv	ND		25	U
Benzene	1.14	ppbv	1.18	3.07	25	
Carbon Tetrachloride	0.092	ppbv	0.10	6.95	25	
tert-Amyl Methyl Ether	ND	ppbv	ND		25	U
1,2-Dichloropropane	ND	ppbv	ND		25	U
Ethyl Acrylate	ND	ppbv	ND		25	U
Bromodichloromethane	ND	ppbv	ND		25	U
Trichloroethylene	ND	ppbv	ND		25	U
Methyl Methacrylate	ND	ppbv	ND		25	U
cis-1,3-Dichloropropene	ND	ppbv	ND		25	U
Methyl Isobutyl Ketone	0.056	ppbv	0.07	19.9	25	
trans-1,3-Dichloropropene	ND	ppbv	ND		25	U
1,1,2-Trichloroethane	ND	ppbv	ND		25	U
Toluene	2.18	ppbv	2.23	2.25	25	
Dibromochloromethane	ND	ppbv	ND		25	U
1,2-Dibromoethane	ND	ppbv	ND		25	U
n-Octane	0.154	ppbv	0.16	4.76	25	
Tetrachloroethylene	0.014	ppbv	0.02	8.93	25	
Chlorobenzene	ND	ppbv	ND		25	U
Ethylbenzene	0.175	ppbv	0.18	1.14	25	
m,p-Xylene	0.470	ppbv	0.49	4.74	25	
Bromoform	ND	ppbv	ND		25	U
Styrene	0.013	ppbv	ND		25	
1,1,2,2-Tetrachloroethane	ND	ppbv	ND		25	U
o-Xylene	0.170	ppbv	0.18	4.20	25	
1,3,5-Trimethylbenzene	0.035	ppbv	0.04	3.36	25	

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Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B0K0305 - Summa Canister Prep

Duplicate (B0K0305-DUP1) Continued

Source: 0110212-06

Prepared: 10/28/10 Analyzed: 11/03/10

1,2,4-Trimethylbenzene	0.108	ppbv	0.12	11.1	25	
m-Dichlorobenzene	ND	ppbv	ND		25	U
Chloromethylbenzene	ND	ppbv	ND		25	U
p-Dichlorobenzene	0.017	ppbv	0.02	13.0	25	
o-Dichlorobenzene	ND	ppbv	ND		25	U
1,2,4-Trichlorobenzene	ND	ppbv	ND		25	U
Hexachloro-1,3-butadiene	ND	ppbv	ND		25	U

Duplicate (B0K0305-DUP2)

Source: 0110212-07

Prepared: 10/28/10 Analyzed: 11/03/10

Acetylene	0.423	ppbv	0.42	1.41	25	
Propylene	0.758	ppbv	0.77	1.70	25	
Dichlorodifluoromethane	0.591	ppbv	0.60	1.03	25	
Chloromethane	0.590	ppbv	0.60	0.760	25	
Dichlorotetrafluoroethane	0.018	ppbv	0.02	2.16	25	
Vinyl chloride	ND	ppbv	ND		25	U
1,3-Butadiene	0.038	ppbv	0.04	1.04	25	
Bromomethane	ND	ppbv	ND		25	U
Chloroethane	ND	ppbv	ND		25	U
Trichlorofluoromethane	0.264	ppbv	0.27	1.35	25	
Acrylonitrile	ND	ppbv	ND		25	U
1,1-Dichloroethene	ND	ppbv	ND		25	U
Dichloromethane	0.061	ppbv	0.06	2.64	25	
Carbon Disulfide	0.034	ppbv	0.04	2.02	25	
Trichlorotrifluoroethane	0.088	ppbv	0.09	1.01	25	
trans-1,2-Dichloroethylene	ND	ppbv	ND		25	U
1,1-Dichloroethane	ND	ppbv	ND		25	U
Methyl tert-Butyl Ether	ND	ppbv	ND		25	U
Methyl Ethyl Ketone	0.786	ppbv	0.79	0.165	25	
Chloroprene	ND	ppbv	ND		25	U
cis-1,2-Dichloroethylene	ND	ppbv	ND		25	U
Bromochloromethane	ND	ppbv	ND		25	U
Chloroform	ND	ppbv	ND		25	U
Ethyl tert-Butyl Ether	ND	ppbv	ND		25	U
1,2-Dichloroethane	ND	ppbv	ND		25	U
1,1,1-Trichloroethane	ND	ppbv	ND		25	U
Benzene	1.21	ppbv	1.18	2.68	25	
Carbon Tetrachloride	0.096	ppbv	0.10	1.46	25	
tert-Amyl Methyl Ether	ND	ppbv	ND		25	U

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CERTIFICATE OF ANALYSIS

City of Fort Worth
 1000 Throckmorton Street
 Fort Worth, TX 76102-6311
 ATTN: Brain Boerner
 PHONE: na FAX: na

FILE #: 3786.02.002.001
 REPORTED: 05/24/11 11:31
 SUBMITTED: 09/08/10 to 11/02/10
 AQS SITE CODE:
 SITE CODE: Natural Gas Air Quality Study

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B0K0305 - Summa Canister Prep

Duplicate (B0K0305-DUP2) Continued

Source: 0110212-07

Prepared: 10/28/10 Analyzed: 11/03/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
1,2-Dichloropropane	ND	ppbv	ND		25	U
Ethyl Acrylate	ND	ppbv	ND		25	U
Bromodichloromethane	ND	ppbv	ND		25	U
Trichloroethylene	ND	ppbv	ND		25	U
Methyl Methacrylate	ND	ppbv	ND		25	U
cis-1,3-Dichloropropene	ND	ppbv	ND		25	U
Methyl Isobutyl Ketone	0.072	ppbv	0.08	9.46	25	
trans-1,3-Dichloropropene	ND	ppbv	ND		25	U
1,1,2-Trichloroethane	ND	ppbv	ND		25	U
Toluene	2.29	ppbv	2.26	1.20	25	
Dibromochloromethane	ND	ppbv	ND		25	U
1,2-Dibromoethane	ND	ppbv	ND		25	U
n-Octane	0.167	ppbv	0.16	2.24	25	
Tetrachloroethylene	0.013	ppbv	0.02	15.2	25	
Chlorobenzene	ND	ppbv	ND		25	U
Ethylbenzene	0.192	ppbv	0.19	3.71	25	
m,p-Xylene	0.523	ppbv	0.51	2.54	25	
Bromoform	ND	ppbv	ND		25	U
Styrene	0.014	ppbv	0.01	21.3	25	
1,1,2,2-Tetrachloroethane	ND	ppbv	ND		25	U
o-Xylene	0.190	ppbv	0.18	3.82	25	
1,3,5-Trimethylbenzene	0.045	ppbv	0.04	4.51	25	
1,2,4-Trimethylbenzene	0.140	ppbv	0.14	3.85	25	
m-Dichlorobenzene	ND	ppbv	ND		25	U
Chloromethylbenzene	ND	ppbv	ND		25	U
p-Dichlorobenzene	0.020	ppbv	0.02	0.489	25	
o-Dichlorobenzene	ND	ppbv	ND		25	U
1,2,4-Trichlorobenzene	ND	ppbv	ND		25	U
Hexachloro-1,3-butadiene	ND	ppbv	ND		25	U

Duplicate (B0K0305-DUP3)

Source: 0110212-09

Prepared: 10/28/10 Analyzed: 11/03/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
Acetylene	0.293	ppbv	0.34	13.7	25	
Propylene	0.192	ppbv	0.21	9.41	25	
Dichlorodifluoromethane	0.482	ppbv	0.56	15.1	25	
Chloromethane	0.477	ppbv	0.56	15.2	25	
Dichlorotetrafluoroethane	0.015	ppbv	0.02	13.8	25	
Vinyl chloride	ND	ppbv	ND		25	U
1,3-Butadiene	ND	ppbv	ND		25	U

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Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B0K0305 - Summa Canister Prep

Duplicate (B0K0305-DUP3) Continued

Source: 0110212-09

Prepared: 10/28/10 Analyzed: 11/03/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
Bromomethane	ND	ppbv	ND		25	U
Chloroethane	ND	ppbv	ND		25	U
Trichlorofluoromethane	0.225	ppbv	0.26	12.9	25	
Acrylonitrile	ND	ppbv	ND		25	U
1,1-Dichloroethene	ND	ppbv	ND		25	U
Dichloromethane	0.047	ppbv	0.05	7.19	25	
Carbon Disulfide	0.425	ppbv	0.49	14.5	25	
Trichlorotrifluoroethane	0.071	ppbv	0.08	15.3	25	
trans-1,2-Dichloroethylene	ND	ppbv	ND		25	U
1,1-Dichloroethane	ND	ppbv	ND		25	U
Methyl tert-Butyl Ether	ND	ppbv	ND		25	U
Methyl Ethyl Ketone	0.267	ppbv	0.29	7.07	25	
Chloroprene	ND	ppbv	ND		25	U
cis-1,2-Dichloroethylene	ND	ppbv	ND		25	U
Bromochloromethane	ND	ppbv	ND		25	U
Chloroform	ND	ppbv	ND		25	U
Ethyl tert-Butyl Ether	ND	ppbv	ND		25	U
1,2-Dichloroethane	ND	ppbv	ND		25	U
1,1,1-Trichloroethane	ND	ppbv	ND		25	U
Benzene	0.113	ppbv	0.12	8.24	25	
Carbon Tetrachloride	0.084	ppbv	0.09	9.15	25	
tert-Amyl Methyl Ether	ND	ppbv	ND		25	U
1,2-Dichloropropane	ND	ppbv	ND		25	U
Ethyl Acrylate	ND	ppbv	ND		25	U
Bromodichloromethane	ND	ppbv	ND		25	U
Trichloroethylene	ND	ppbv	ND		25	U
Methyl Methacrylate	ND	ppbv	ND		25	U
cis-1,3-Dichloropropene	ND	ppbv	ND		25	U
Methyl Isobutyl Ketone	0.016	ppbv	0.02	5.68	25	
trans-1,3-Dichloropropene	ND	ppbv	ND		25	U
1,1,2-Trichloroethane	ND	ppbv	ND		25	U
Toluene	0.126	ppbv	0.13	5.12	25	
Dibromochloromethane	ND	ppbv	ND		25	U
1,2-Dibromoethane	ND	ppbv	ND		25	U
n-Octane	0.037	ppbv	0.04	0.274	25	
Tetrachloroethylene	ND	ppbv	ND		25	U
Chlorobenzene	ND	ppbv	ND		25	U

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Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B0K0305 - Summa Canister Prep

Duplicate (B0K0305-DUP3) Continued

Source: 0110212-09

Prepared: 10/28/10 Analyzed: 11/03/10

Ethylbenzene	0.022	ppbv	0.02	4.01	25	
m,p-Xylene	0.051	ppbv	0.05	0.394	25	
Bromoform	ND	ppbv	ND		25	U
Styrene	0.013	ppbv	0.01	4.58	25	
1,1,2,2-Tetrachloroethane	ND	ppbv	ND		25	U
o-Xylene	0.020	ppbv	0.02	0.487	25	
1,3,5-Trimethylbenzene	ND	ppbv	ND		25	U
1,2,4-Trimethylbenzene	ND	ppbv	0.01		25	U
m-Dichlorobenzene	ND	ppbv	ND		25	U
Chloromethylbenzene	ND	ppbv	ND		25	U
p-Dichlorobenzene	ND	ppbv	ND		25	U
o-Dichlorobenzene	ND	ppbv	ND		25	U
1,2,4-Trichlorobenzene	ND	ppbv	ND		25	U
Hexachloro-1,3-butadiene	ND	ppbv	ND		25	U

Duplicate (B0K0305-DUP4)

Source: 0110212-10

Prepared: 10/28/10 Analyzed: 11/03/10

Acetylene	0.357	ppbv	0.37	3.93	25	
Propylene	0.220	ppbv	0.22	0.457	25	
Dichlorodifluoromethane	0.570	ppbv	0.61	6.08	25	
Chloromethane	0.571	ppbv	0.60	5.58	25	
Dichlorotetrafluoroethane	0.017	ppbv	0.02	6.90	25	
Vinyl chloride	ND	ppbv	ND		25	U
1,3-Butadiene	ND	ppbv	ND		25	U
Bromomethane	ND	ppbv	ND		25	U
Chloroethane	ND	ppbv	ND		25	U
Trichlorofluoromethane	0.261	ppbv	0.28	7.84	25	
Acrylonitrile	ND	ppbv	ND		25	U
1,1-Dichloroethene	ND	ppbv	ND		25	U
Dichloromethane	0.050	ppbv	0.06	11.1	25	
Carbon Disulfide	0.499	ppbv	0.54	7.08	25	
Trichlorotrifluoroethane	0.080	ppbv	0.09	9.90	25	
trans-1,2-Dichloroethylene	ND	ppbv	ND		25	U
1,1-Dichloroethane	ND	ppbv	ND		25	U
Methyl tert-Butyl Ether	ND	ppbv	ND		25	U
Methyl Ethyl Ketone	0.285	ppbv	0.29	0.735	25	
Chloroprene	ND	ppbv	ND		25	U
cis-1,2-Dichloroethylene	ND	ppbv	ND		25	U
Bromochloromethane	ND	ppbv	ND		25	U

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Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B0K0305 - Summa Canister Prep

Duplicate (B0K0305-DUP4) Continued **Source: 0110212-10** Prepared: 10/28/10 Analyzed: 11/03/10

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
Chloroform	ND	ppbv	ND		25	U
Ethyl tert-Butyl Ether	ND	ppbv	ND		25	U
1,2-Dichloroethane	ND	ppbv	ND		25	U
1,1,1-Trichloroethane	ND	ppbv	ND		25	U
Benzene	0.130	ppbv	0.14	5.97	25	
Carbon Tetrachloride	0.094	ppbv	0.10	4.38	25	
tert-Amyl Methyl Ether	ND	ppbv	ND		25	U
1,2-Dichloropropane	ND	ppbv	ND		25	U
Ethyl Acrylate	ND	ppbv	ND		25	U
Bromodichloromethane	ND	ppbv	ND		25	U
Trichloroethylene	ND	ppbv	ND		25	U
Methyl Methacrylate	ND	ppbv	ND		25	U
cis-1,3-Dichloropropene	ND	ppbv	ND		25	U
Methyl Isobutyl Ketone	0.019	ppbv	0.02	19.2	25	
trans-1,3-Dichloropropene	ND	ppbv	ND		25	U
1,1,2-Trichloroethane	ND	ppbv	ND		25	U
Toluene	0.134	ppbv	0.15	8.68	25	
Dibromochloromethane	ND	ppbv	ND		25	U
1,2-Dibromoethane	ND	ppbv	ND		25	U
n-Octane	0.040	ppbv	0.04	1.01	25	
Tetrachloroethylene	ND	ppbv	ND		25	U
Chlorobenzene	ND	ppbv	ND		25	U
Ethylbenzene	0.025	ppbv	0.02	2.04	25	
m,p-Xylene	0.050	ppbv	0.05	6.40	25	
Bromoform	ND	ppbv	ND		25	U
Styrene	0.014	ppbv	0.01	3.53	25	
1,1,2,2-Tetrachloroethane	ND	ppbv	ND		25	U
o-Xylene	0.022	ppbv	0.02	2.29	25	
1,3,5-Trimethylbenzene	ND	ppbv	ND		25	U
1,2,4-Trimethylbenzene	ND	ppbv	0.01		25	U
m-Dichlorobenzene	ND	ppbv	ND		25	U
Chloromethylbenzene	ND	ppbv	ND		25	U
p-Dichlorobenzene	ND	ppbv	ND		25	U
o-Dichlorobenzene	ND	ppbv	ND		25	U
1,2,4-Trichlorobenzene	ND	ppbv	ND		25	U
Hexachloro-1,3-butadiene	ND	ppbv	ND		25	U



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AQS SITE CODE:

SITE CODE: Natural Gas Air Quality Study

Notes and Definitions

- U Under Detection Limit
- E The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-flag).
- ND Analyte NOT DETECTED at or above the Method Detection Limit (MDL)
- NR Not Reported
- MDL Method Detection Limit
- RPD Relative Percent Difference