

US EPA ARCHIVE DOCUMENT



Eastern Research Group
601 Keystone Park Drive
Suite 700
Morrisville, NC 27560

November 10, 2011

Michael F. Davis
EPA Region VII
300 Minnesota Avenue
Kansas City, KS 66101
Project Name: OECA work

Dear Michael F. Davis,

This report contains the analytical results for the sample(s) received under chain(s) of custody by Eastern Research Group on 08/08/11 08:53 through 09/29/11 10:57.

The test results in this report are in compliance with NELAC accreditation requirements for the certified parameters. All analyses were performed as described in the US EPA-approved QAPP, under the contract for NMOC, UATMP, PAMS, CSATAM, and NATTS support (US EPA Contract No. EP.D-09-048). This cover page is an integral part of this report, and any exceptions or comments are noted on the last page.

The issuance of the final Certificate of Analysis takes precedence over any previous Report. If you have any questions, please contact me at 919-468-7930.

Sincerely,

Laura Van Enwyck
Project Manager
laura.vanenwyck@erg.com

The information contained in this report and its attachment(s) are intended only for the use of the individual to whom it is addressed and may contain information that is privileged, confidential, or exempt from disclosure. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this report is strictly prohibited. If you have received this report in error, please notify laura.vanenwyck@erg.com and delete the report without retaining any copies.



CERTIFICATE OF ANALYSIS

EPA Region VII
300 Minnesota Avenue
Kansas City, KS 66101
ATTN: Michael F. Davis
PHONE: (913) 551-5042

FAX: (913) 551-5000

FILE #: 0278.00.001.030
REPORTED: 11/10/11 09:03
SUBMITTED: 08/08/11 to 09/29/11
AQS SITE CODE:
SITE CODE: OECA work

ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	<u>Received</u>
Ash & Forest Intersection	1080801-01	Air	08/05/11 00:00	08/08/11 08:53
Ash & Forest Intersection	1080909-01	Air	08/06/11 00:00	08/09/11 11:20
Ash & Forest Intersection	1082901-01	Air	08/26/11 00:00	08/29/11 09:48
4th and Santa Fe	1090818-01	Air	09/07/11 00:00	09/08/11 12:47
150' west of Hwys 169 and 39	1091501-01	Air	09/14/11 00:00	09/15/11 10:42
75' north of Oak St on	1092909-01	Air	09/28/11 00:00	09/29/11 10:57

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FILE #: 0278.00.001.030

300 Minnesota Avenue

REPORTED: 11/10/11 09:03

Kansas City, KS 66101

SUBMITTED: 08/08/11 to 09/29/11

ATTN: Michael F. Davis

AQS SITE CODE:

PHONE: (913) 551-5042 FAX: (913) 551-5000

SITE CODE: OECA work

Description: Ash & Forest Intersection

Lab ID: 1080801-01

Sampled: 08/05/11 00:00

Pressure @ Receipt: 7" Hg

Canister #: 607

Received: 08/08/11 08:53

Comments: Background Sample

Analyzed: 08/09/11 12.26

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	6.11	6.52		0.016
Propylene	5.33	9.19		0.039
Dichlorodifluoromethane	0.571	2.83		0.011
Chloromethane	0.578	1.40		0.012
Dichlorotetrafluoroethane	0.019	0.13		0.009
Vinyl chloride	ND	ND	U	0.008
1,3-Butadiene	1.21	2.68		0.007
Bromomethane	0.014	0.05		0.009
Chloroethane	ND	ND	U	0.009
Acetonitrile	0.403	0.68		0.024
Trichlorofluoromethane	0.284	1.80		0.010
Acrylonitrile	ND	ND	U	0.012
1,1-Dichloroethene	ND	ND	U	0.009
Dichloromethane	0.088	0.31		0.010
Carbon Disulfide	0.020	0.06		0.033
Trichlorotrifluoroethane	0.106	0.81		0.011
trans-1,2-Dichloroethylene	ND	ND	U	0.008
1,1-Dichloroethane	ND	ND	U	0.008
Methyl tert-Butyl Ether	ND	ND	U	0.008
Methyl Ethyl Ketone	0.599	1.77		0.157
Chloroprene	ND	ND	U	0.008
cis-1,2-Dichloroethylene	ND	ND	U	0.009
Bromochloromethane	ND	ND	U	0.008
Chloroform	ND	ND	U	0.009
Ethyl tert-Butyl Ether	ND	ND	U	0.008
1,2-Dichloroethane	ND	ND	U	0.009
1,1,1-Trichloroethane	0.012	0.07	U	0.022
Benzene	2.67	8.55		0.029
Carbon Tetrachloride	0.106	0.67		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.016
1,2-Dichloropropane	ND	ND	U	0.023
Ethyl Acrylate	ND	ND	U	0.020
Bromodichloromethane	ND	ND	U	0.025
Trichloroethylene	ND	ND	U	0.025
Methyl Methacrylate	ND	ND	U	0.022
cis-1,3-Dichloropropene	ND	ND	U	0.022
Methyl Isobutyl Ketone	0.061	0.25		0.022
trans-1,3-Dichloropropene	ND	ND	U	0.025
1,1,2-Trichloroethane	ND	ND	U	0.025
Toluene	3.58	13.50		0.016
Dibromochloromethane	ND	ND	U	0.021

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FILE #: 0278.00.001 030
 REPORTED: 11/10/11 09:03
 SUBMITTED: 08/08/11 to 09/29/11
 AQS SITE CODE:
 SITE CODE: OECA work

PHONE: (913) 551-5042 FAX: (913) 551-5000

Description: Ash & Forest Intersection

Lab ID: 1080801-01

Sampled: 08/05/11 00:00

Pressure @ Receipt: 7" Hg

Canister #: 607

Received: 08/08/11 08:53

Comments: Background Sample

Analyzed: 08/09/11 12:26

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
1,2-Dibromoethane	ND	ND	U	0.018
n-Octane	0.252	1.18		0.015
Tetrachloroethylene	ND	ND	U	0.018
Chlorobenzene	ND	ND	U	0.021
Ethylbenzene	0.661	2.88		0.017
m,p-Xylene	2.02	8.79		0.034
Bromoform	ND	ND	U	0.025
Styrene	0.324	1.38		0.022
1,1,2,2-Tetrachloroethane	ND	ND	U	0.024
o-Xylene	0.884	3.85		0.018
1,3,5-Trimethylbenzene	0.228	1.12		0.026
1,2,4-Trimethylbenzene	0.873	4.30		0.028
m-Dichlorobenzene	ND	ND	U	0.034
Chloromethylbenzene	ND	ND	U	0.039
p-Dichlorobenzene	ND	ND	U	0.035
o-Dichlorobenzene	ND	ND	U	0.037
1,2,4-Trichlorobenzene	ND	ND	U	0.036
Hexachloro-1,3-butadiene	ND	ND	U	0.037

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FILE #: 0278.00.001.030

REPORTED: 11/10/11 09:03

SUBMITTED: 08/08/11 to 09/29/11

AQS SITE CODE:

SITE CODE: OECA work

Description: Ash & Forest Intersection

Lab ID: 1080909-01

Sampled: 08/06/11 00:00

Pressure @ Receipt: 6.5" Hg

Canister #: 401

Received: 08/09/11 11:20

Comments: Background Sample

Analyzed: 08/09/11 23:09

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.421	0.45		0.016
Propylene	0.319	0.55		0.039
Dichlorodifluoromethane	0.753	3.73		0.011
Chloromethane	0.752	1.56		0.012
Dichlorotetrafluoroethane	0.023	0.16		0.009
Vinyl chloride	ND	ND	U	0.008
1,3-Butadiene	0.034	0.08		0.007
Bromomethane	0.019	0.07		0.009
Chloroethane	ND	ND	U	0.009
Acetonitrile	0.270	0.45		0.024
Trichlorofluoromethane	0.313	1.76		0.010
Acrylonitrile	ND	ND	U	0.012
1,1-Dichloroethene	ND	ND	U	0.009
Dichloromethane	0.123	0.43		0.010
Carbon Disulfide	0.089	0.28		0.033
Trichlorotrifluoroethane	0.122	0.94		0.011
trans-1,2-Dichloroethylene	ND	ND	U	0.008
1,1-Dichloroethane	ND	ND	U	0.008
Methyl tert-Butyl Ether	ND	ND	U	0.008
Methyl Ethyl Ketone	0.609	1.80		0.157
Chloroprene	ND	ND	U	0.008
cis-1,2-Dichloroethylene	ND	ND	U	0.009
Bromochloromethane	ND	ND	U	0.008
Chloroform	0.027	0.13		0.009
Ethyl tert-Butyl Ether	ND	ND	U	0.008
1,2-Dichloroethane	ND	ND	U	0.009
1,1,1-Trichloroethane	0.013	0.07	U	0.022
Benzene	0.210	0.67		0.029
Carbon Tetrachloride	0.132	0.83		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.016
1,2-Dichloropropane	ND	ND	U	0.023
Ethyl Acrylate	ND	ND	U	0.020
Bromodichloromethane	ND	ND	U	0.025
Trichloroethylene	ND	ND	U	0.025
Methyl Methacrylate	ND	ND	U	0.022
cis-1,3-Dichloropropene	ND	ND	U	0.022
Methyl Isobutyl Ketone	0.040	0.16		0.022
trans-1,3-Dichloropropene	ND	ND	U	0.025
1,1,2-Trichloroethane	ND	ND	U	0.025
Toluene	0.334	1.26		0.016
Dibromochloromethane	ND	ND	U	0.021

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 SUBMITTED: 08/08/11 to 09/29/11
 AQS SITE CODE:
 SITE CODE: OECA work

PHONE: (913) 551-5042 FAX: (913) 551-5000

Description: Ash & Forest Intersection
 Pressure @ Receipt: 6.5" Hg
 Comments: Background Sample

Lab ID: 1080909-01
 Canister #: 401

Sampled: 08/06/11 00:00
 Received: 08/09/11 11:20
 Analyzed: 08/09/11 23:09

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
1,2-Dibromoethane	ND	ND	U	0.018
n-Octane	0.039	0.18		0.015
Tetrachloroethylene	ND	ND	U	0.018
Chlorobenzene	ND	ND	U	0.021
Ethylbenzene	0.074	0.32		0.017
m,p-Xylene	0.140	0.61		0.034
Bromoform	ND	ND	U	0.025
Styrene	0.034	0.15		0.022
1,1,2,2-Tetrachloroethane	ND	ND	U	0.024
o-Xylene	0.067	0.29		0.018
1,3,5-Trimethylbenzene	0.031	0.15		0.026
1,2,4-Trimethylbenzene	0.078	0.38		0.028
m-Dichlorobenzene	ND	ND	U	0.034
Chloromethylbenzene	ND	ND	U	0.039
p-Dichlorobenzene	ND	ND	U	0.035
o-Dichlorobenzene	ND	ND	U	0.037
1,2,4-Trichlorobenzene	ND	ND	U	0.036
Hexachloro-1,3-butadiene	ND	ND	U	0.037

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FILE #: 0278.00.001.030
 REPORTED: 11/10/11 09:03
 SUBMITTED: 08/08/11 to 09/29/11
 AQS SITE CODE:
 SITE CODE: OECA work

Description: Ash & Forest Intersection Lab ID: 1082901-01 Sampled: 08/26/11 00:00
 Pressure @ Receipt: 8" Hg Canister #: 020 Received: 08/29/11 09:48
 Comments: Background Sample Analyzed: 08/30/11 00:36

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.494	0.53		0.016
Propylene	0.434	0.75		0.039
Dichlorodifluoromethane	0.553	2.74		0.011
Chloromethane	0.604	1.25		0.012
Dichlorotetrafluoroethane	0.024	0.17		0.009
Vinyl chloride	0.008	0.02		0.008
1,3-Butadiene	0.028	0.06		0.007
Bromomethane	0.016	0.06		0.009
Chloroethane	ND	ND	U	0.009
Acetonitrile	0.217	0.37		0.024
Trichlorofluoromethane	0.291	1.64		0.010
Acrylonitrile	ND	ND	U	0.012
1,1-Dichloroethene	ND	ND	U	0.009
Dichloromethane	0.404	1.41		0.010
Carbon Disulfide	0.161	0.50		0.033
Trichlorotrifluoroethane	0.117	0.90		0.011
trans-1,2-Dichloroethylene	ND	ND	U	0.008
1,1-Dichloroethane	ND	ND	U	0.008
Methyl tert-Butyl Ether	ND	ND	U	0.008
Methyl Ethyl Ketone	1.11	3.28		0.157
Chloroprene	ND	ND	U	0.008
cis-1,2-Dichloroethylene	ND	ND	U	0.009
Bromochloromethane	ND	ND	U	0.006
Chloroform	0.043	0.21		0.009
Ethyl tert-Butyl Ether	ND	ND	U	0.008
1,2-Dichloroethane	0.030	0.12		0.009
1,1,1-Trichloroethane	0.018	0.10	U	0.022
Benzene	0.225	0.72		0.029
Carbon Tetrachloride	0.098	0.62		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.016
1,2-Dichloropropane	ND	ND	U	0.023
Ethyl Acrylate	ND	ND	U	0.020
Bromodichloromethane	0.011	0.07	U	0.025
Trichloroethylene	0.015	0.08	U	0.025
Methyl Methacrylate	ND	ND	U	0.022
cis-1,3-Dichloropropene	ND	ND	U	0.022
Methyl Isobutyl Ketone	0.052	0.21		0.022
trans-1,3-Dichloropropene	ND	ND	U	0.025
1,1,2-Trichloroethane	ND	ND	U	0.025
Toluene	5.14	19.40		0.016
Dibromochloromethane	0.008	0.07	U	0.021

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 AQS SITE CODE:
 SITE CODE: OECA work

PHONE: (913) 551-5042 FAX: (913) 551-5000

Description: Ash & Forest Intersection Lab ID: 1082901-01 Sampled: 08/26/11 00:00
 Pressure @ Receipt: 8" Hg Canister #: 020 Received: 08/29/11 09:48
 Comments: Background Sample Analyzed: 08/30/11 00:36

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
1,2-Dibromoethane	ND	ND	U	0.018
n-Octane	0.074	0.35		0.015
Tetrachloroethylene	0.026	0.18		0.018
Chlorobenzene	ND	ND	U	0.021
Ethylbenzene	0.218	0.95		0.017
m,p-Xylene	0.551	2.40		0.034
Bromoform	ND	ND	U	0.025
Styrene	0.089	0.38		0.022
1,1,2,2-Tetrachloroethane	0.010	0.07	U	0.024
o-Xylene	0.189	0.82		0.018
1,3,5-Trimethylbenzene	0.062	0.31		0.026
1,2,4-Trimethylbenzene	0.150	0.74		0.028
m-Dichlorobenzene	0.006	0.04	U	0.034
Chloromethylbenzene	ND	ND	U	0.039
p-Dichlorobenzene	0.032	0.19	U	0.348
o-Dichlorobenzene	0.006	0.04	U	0.037
1,2,4-Trichlorobenzene	ND	ND	U	0.036
Hexachloro-1,3-butadiene	0.008	0.09	U	0.037

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 AQS SITE CODE:
 SITE CODE: OECA work

PHONE: (913) 551-5042 FAX: (913) 551-5000

Description: 4th and Santa Fe
 Pressure @ Receipt: 6.5" Hg
 Comments:

Lab ID: 1090818-01
 Canister #: ER008

Sampled: 09/07/11 00:00
 Received: 09/08/11 12.47
 Analyzed: 09/09/11 01:37

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.275	0.29		0.016
Propylene	0.333	0.57		0.039
Dichlorodifluoromethane	0.521	2.58		0.011
Chloromethane	0.507	1.05		0.012
Dichlorotetrafluoroethane	ND	ND	U	0.009
Vinyl chloride	ND	ND	U	0.008
1,3-Butadiene	ND	ND	U	0.007
Bromomethane	ND	ND	U	0.009
Chloroethane	ND	ND	U	0.009
Acetonitrile	0.122	0.21		0.024
Trichlorofluoromethane	0.252	1.42		0.010
Acrylonitrile	ND	ND	U	0.012
1,1-Dichloroethane	ND	ND	U	0.009
Dichloromethane	0.159	0.55		0.010
Carbon Disulfide	0.063	0.20		0.033
Trichlorotrifluoroethane	0.094	0.72		0.011
trans-1,2-Dichloroethylene	ND	ND	U	0.008
1,1-Dichloroethane	ND	ND	U	0.008
Methyl tert-Butyl Ether	ND	ND	U	0.008
Methyl Ethyl Ketone	0.472	1.39		0.157
Chloroprene	ND	ND	U	0.008
cis-1,2-Dichloroethylene	ND	ND	U	0.009
Bromochloromethane	ND	ND	U	0.008
Chloroform	ND	ND	U	0.009
Ethyl tert-Butyl Ether	ND	ND	U	0.008
1,2-Dichloroethane	ND	ND	U	0.009
1,1,1-Trichloroethane	ND	ND	U	0.022
Benzene	0.168	0.54		0.029
Carbon Tetrachloride	0.095	0.60		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.016
1,2-Dichloropropane	ND	ND	U	0.023
Ethyl Acrylate	ND	ND	U	0.020
Bromodichloromethane	ND	ND	U	0.025
Trichloroethylene	ND	ND	U	0.025
Methyl Methacrylate	ND	ND	U	0.022
cis-1,3-Dichloropropene	ND	ND	U	0.022
Methyl Isobutyl Ketone	0.035	0.14		0.022
trans-1,3-Dichloropropene	ND	ND	U	0.025
1,1,2-Trichloroethane	ND	ND	U	0.025
Toluene	0.373	1.41		0.016
Dibromochloromethane	ND	ND	U	0.021

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AQS SITE CODE:
SITE CODE: OECA work

ATTN: Michael F. Davis

PHONE: (913) 551-5042 FAX: (913) 551-5000

Description: 4th and Santa Fe

Lab ID: 1090818-01

Sampled: 09/07/11 00:00

Pressure @ Receipt: 6.5" Hg

Canister #: ER008

Received: 09/08/11 12:47

Comments:

Analyzed: 09/09/11 01:37

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MRL
	ppbv	ug/m ³		ppbv
1,2-Dibromoethane	ND	ND	U	0.018
n-Octane	0.038	0.18		0.015
Tetrachloroethylene	ND	ND	U	0.018
Chlorobenzene	ND	ND	U	0.021
Ethylbenzene	0.064	0.28		0.017
m,p-Xylene	0.148	0.64		0.034
Bromoform	ND	ND	U	0.025
Styrene	ND	ND	U	0.022
1,1,2,2-Tetrachloroethane	ND	ND	U	0.024
o-Xylene	0.070	0.31		0.018
1,3,5-Trimethylbenzene	ND	ND	U	0.026
1,2,4-Trimethylbenzene	0.078	0.38		0.028
m-Dichlorobenzene	ND	ND	U	0.034
Chloromethylbenzene	ND	ND	U	0.039
p-Dichlorobenzene	ND	ND	U	0.348
o-Dichlorobenzene	ND	ND	U	0.037
1,2,4-Trichlorobenzene	ND	ND	U	0.036
Hexachloro-1,3-butadiene	ND	ND	U	0.037

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FILE #: 0278.00.001.030

REPORTED: 11/10/11 09:03

SUBMITTED: 08/08/11 to 09/29/11

AQS SITE CODE:

SITE CODE: OECA work

Description: 150' west of Hwys 169 and 39

Lab ID: 1091501-01

Sampled: 09/14/11 00:00

Pressure @ Receipt: 13" Hg

Canister #: 709

Received: 09/15/11 10:42

Comments:

Analyzed: 09/15/11 19:26

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.234	0.25		0.016
Propylene	0.258	0.45		0.039
Dichlorodifluoromethane	0.544	2.70		0.011
Chloromethane	0.526	1.09		0.012
Dichlorotetrafluoroethane	ND	ND	U	0.009
Vinyl chloride	ND	ND	U	0.008
1,3-Butadiene	ND	ND	U	0.007
Bromomethane	ND	ND	U	0.009
Chloroethane	ND	ND	U	0.009
Acetonitrile	0.130	0.22		0.024
Trichlorofluoromethane	0.263	1.48		0.010
Acrylonitrile	ND	ND	U	0.012
1,1-Dichloroethene	ND	ND	U	0.009
Dichloromethane	ND	ND	U	0.010
Carbon Disulfide	0.032	0.10	U	0.033
Trichlorotrifluoroethane	0.107	0.82		0.011
trans-1,2-Dichloroethylene	ND	ND	U	0.008
1,1-Dichloroethane	ND	ND	U	0.008
Methyl tert-Butyl Ether	ND	ND	U	0.008
Methyl Ethyl Ketone	0.382	1.13		0.157
Chloroprene	ND	ND	U	0.008
cis-1,2-Dichloroethylene	ND	ND	U	0.009
Bromochloromethane	ND	ND	U	0.008
Chloroform	ND	ND	U	0.009
Ethyl tert-Butyl Ether	ND	ND	U	0.008
i,2-Dichloroethane	ND	ND	U	0.009
1,1,1-Trichloroethane	ND	ND	U	0.022
Benzene	0.208	0.67		0.029
Carbon Tetrachloride	0.101	0.64		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.016
1,2-Dichloropropane	ND	ND	U	0.023
Ethyl Acrylate	ND	ND	U	0.020
Bromodichloromethane	ND	ND	U	0.025
Trichloroethylene	ND	ND	U	0.025
Methyl Methacrylate	ND	ND	U	0.022
cis-1,3-Dichloropropene	ND	ND	U	0.022
Methyl Isobutyl Ketone	ND	ND	U	0.022
trans-1,3-Dichloropropane	ND	ND	U	0.025
1,1,2-Trichloroethane	ND	ND	U	0.025
Toluene	0.095	0.36		0.016
Dibromochloromethane	ND	ND	U	0.021

US EPA ARCHIVE DOCUMENT

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.



CERTIFICATE OF ANALYSIS

EPA Region VII
 300 Minnesota Avenue
 Kansas City, KS 66101
 ATTN: Michael F. Davis

FILE #: 0278.00.001.030
 REPORTED: 11/10/11 09:03
 SUBMITTED: 08/08/11 to 09/29/11
 AQS SITE CODE:
 SITE CODE: OECA work

PHONE: (913) 551-5042 FAX: (913) 551-5000

Description: 150' west of Hwys 169 and 39 Lab ID: 1091501-01 Sampled: 09/14/11 00:00
 Pressure @ Receipt: 13" Hg Canister #: 709 Received: 09/15/11 10:42
 Comments: Analyzed: 09/15/11 19:26

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
1,2-Dibromoethane	ND	ND	U	0.018
n-Octane	ND	ND	U	0.015
Tetrachloroethylene	ND	ND	U	0.018
Chlorobenzene	ND	ND	U	0.021
Ethylbenzene	0.035	0.15		0.017
m,p-Xylene	0.041	0.18		0.034
Bromoform	ND	ND	U	0.025
Styrene	ND	ND	U	0.022
1,1,2,2-Tetrachloroethane	ND	ND	U	0.024
o-Xylene	ND	ND	U	0.018
1,3,5-Trimethylbenzene	ND	ND	U	0.026
1,2,4-Trimethylbenzene	0.042	0.21		0.028
m-Dichlorobenzene	ND	ND	U	0.034
Chloromethylbenzene	ND	ND	U	0.039
p-Dichlorobenzene	ND	ND	U	0.348
o-Dichlorobenzene	ND	ND	U	0.037
1,2,4-Trichlorobenzene	ND	ND	U	0.036
Hexachloro-1,3-butadiene	ND	ND	U	0.037

US EPA ARCHIVE DOCUMENT

Eastern Research Group

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CERTIFICATE OF ANALYSIS

EPA Region VII
 300 Minnesota Avenue
 Kansas City, KS 66101
 ATTN: Michael F. Davis

FILE #: 0278 00.001.030
 REPORTED: 11/10/11 09:03
 SUBMITTED: 08/08/11 to 09/29/11
 AQS SITE CODE:
 SITE CODE: OECA work

PHONE: (913) 551-5042 FAX: (913) 551-5000

Description: 75' north of Oak St on Plummer Lab ID: 1092909-01 Sampled: 09/28/11 00:00
 Pressure @ Receipt: 6.5" Hg Canister #: 140 Received: 09/29/11 10:57
 Comments: Analyzed: 09/30/11 20:34

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	2.23	2.38		0.016
Propylene	1.23	2.12		0.039
Dichlorodifluoromethane	0.564	2.80		0.011
Chloromethane	0.525	1.09		0.012
Dichlorotetrafluoroethane	0.018	0.13		0.009
Vinyl chloride	ND	ND	U	0.008
1,3-Butadiene	0.181	0.40		0.007
Bromomethane	ND	ND	U	0.009
Chloroethane	ND	ND	U	0.009
Acetonitrile	0.157	0.26		0.024
Trichlorofluoromethane	0.290	1.63		0.010
Acrylonitrile	ND	ND	U	0.012
1,1-Dichloroethene	ND	ND	U	0.009
Dichloromethane	0.154	0.54		0.010
Carbon Disulfide	0.045	0.14		0.033
Trichlorotrifluoroethane	0.092	0.71		0.011
trans-1,2-Dichloroethylene	ND	ND	U	0.008
1,1-Dichloroethane	ND	ND	U	0.008
Methyl tert-Butyl Ether	ND	ND	U	0.008
Methyl Ethyl Ketone	0.624	1.84		0.157
Chloroprene	ND	ND	U	0.008
cis-1,2-Dichloroethylene	ND	ND	U	0.009
Bromochloromethane	ND	ND	U	0.008
Chloroform	0.035	0.17		0.009
Ethyl tert-Butyl Ether	ND	ND	U	0.008
1,2-Dichloroethane	ND	ND	U	0.009
1,1,1-Trichloroethane	0.012	0.07	U	0.022
Benzene	1.49	4.77		0.029
Carbon Tetrachloride	0.088	0.56		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.016
1,2-Dichloropropane	ND	ND	U	0.023
Ethyl Acrylate	ND	ND	U	0.020
Bromodichloromethane	ND	ND	U	0.025
Trichloroethylene	0.178	0.96		0.025
Methyl Methacrylate	ND	ND	U	0.022
cis-1,3-Dichloropropene	ND	ND	U	0.022
Methyl Isobutyl Ketone	0.094	0.39		0.022
trans-1,3-Dichloropropene	ND	ND	U	0.025
1,1,2-Trichloroethane	ND	ND	U	0.025
Toluene	27.6	104.00	D	0.040
Dibromochloromethane	ND	ND	U	0.021

US EPA ARCHIVE DOCUMENT

Eastern Research Group

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CERTIFICATE OF ANALYSIS

EPA Region VII
 300 Minnesota Avenue
 Kansas City, KS 66101
 ATTN: Michael F. Davis

FILE #: 0278.00.001.030
 REPORTED: 11/10/11 09:03
 SUBMITTED: 08/08/11 to 09/29/11
 AQS SITE CODE:
 SITE CODE: OECA work

PHONE: (913) 551-5042 FAX: (913) 551-5000

Description: 75' north of Oak St on Plummer Lab ID: 1092909-01 Sampled: 09/28/11 00:00
 Pressure @ Receipt: 6.5" Hg Canister #: 140 Received: 09/29/11 10:57
 Comments: Analyzed: 09/30/11 20:34

Air Toxic by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
1,2-Dibromoethane	ND	ND	U	0.018
n-Octane	0.193	0.90		0.015
Tetrachloroethylene	0.019	0.13		0.018
Chlorobenzene	ND	ND	U	0.021
Ethylbenzene	0.356	1.55		0.017
m,p-Xylene	1.05	4.61		0.034
Bromoform	ND	ND	U	0.025
Styrene	0.060	0.26		0.022
1,1,2,2-Tetrachloroethane	ND	ND	U	0.024
o-Xylene	0.422	1.84		0.018
1,3,5-Trimethylbenzene	0.094	0.46		0.026
1,2,4-Trimethylbenzene	0.340	1.67		0.028
m-Dichlorobenzene	0.043	0.26		0.034
Chloromethylbenzene	ND	ND	U	0.039
p-Dichlorobenzene	0.019	0.11	U	0.035
o-Dichlorobenzene	ND	ND	U	0.037
1,2,4-Trichlorobenzene	ND	ND	U	0.036
Hexachloro-1,3-butadiene	ND	ND	U	0.037

US EPA ARCHIVE DOCUMENT

Eastern Research Group

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CERTIFICATE OF ANALYSIS

EPA Region VII

300 Minnesota Avenue

Kansas City, KS 66101

ATTN: Michael F. Davis

PHONE: (913) 551-5042 FAX: (913) 551-5000

FILE #: 0278.00.001.030

REPORTED: 11/10/11 09:03

SUBMITTED: 08/08/11 to 09/29/11

AQS SITE CODE:

SITE CODE: OECA work

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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US EPA ARCHIVE DOCUMENT

Eastern Research Group

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CERTIFICATE OF ANALYSIS

EPA Region VII

300 Minnesota Avenue

Kansas City, KS 66101

ATTN: Michael F. Davis

PHONE: (913) 551-5042 FAX: (913) 551-5000

FILE #: 0278.00.001.030

REPORTED: 11/10/11 09:03

SUBMITTED: 08/08/11 to 09/29/11

AQS SITE CODE:

SITE CODE: OECA work

Notes and Definitions

U	Under Detection Limit
D	This result obtained by dilution.
ND	Analyte NOT DETECTED at or above the Method Detection Limit (MDL)
NR	Not Reported
MDL	Method Detection Limit
RPD	Relative Percent Difference

US EPA ARCHIVE DOCUMENT

Eastern Research Group

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Eastern Research Group
601 Keystone Park Drive
Suite 700
Morrisville, NC 27560

December 05, 2011

Michael F. Davis
EPA Region VII
300 Minnesota Avenue
Kansas City, KS 66101
Project Name: OECA work

Dear Michael F. Davis,

This report contains the analytical results for the sample(s) received under chain(s) of custody by Eastern Research Group on 11/15/11 11:21.

The test results in this report are in compliance with NELAC accreditation requirements for the certified parameters. All analyses were performed as described in the US EPA-approved QAPP, under the contract for NMOC, UATMP, PAMS, CSATAM, and NATTS support (US EPA Contract No. EP.D-09-048). This cover page is an integral part of this report, and any exceptions or comments are noted on the last page.

The issuance of the final Certificate of Analysis takes precedence over any previous Report. If you have any questions, please contact me at 919-468-7930.

Sincerely,

Laura Van Erwyck
Project Manager
laura.vanerwyck@erg.com

The information contained in this report and its attachment(s) are intended only for the use of the individual to whom it is addressed and may contain information that is privileged, confidential, or exempt from disclosure. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this report is strictly prohibited. If you have received this report in error, please notify laura.vanerwyck@erg.com and delete the report without retaining any copies.



CERTIFICATE OF ANALYSIS

EPA Region VII
300 Minnesota Avenue
Kansas City, KS 66101
ATTN: Michael F. Davis
PHONE: (913) 551-5042

FAX: (913) 551-5000

FILE #: 0278.00.001.030
REPORTED: 12/05/11 10:59
SUBMITTED: 11/15/11
AQS SITE CODE:
SITE CODE: OECA work

ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	<u>Received</u>
Lincoln & 39 Highway (111 W Lincoln)	1111501-01	Air	11/14/11 00:00	11/15/11 11:21

US EPA ARCHIVE DOCUMENT

Eastern Research Group

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CERTIFICATE OF ANALYSIS

EPA Region VII
 300 Minnesota Avenue
 Kansas City, KS 66101
 ATTN: Michael F. Davis

FILE #: 0278.00.001.030
 REPORTED: 12/05/11 10:59
 SUBMITTED: 11/15/11
 AQS SITE CODE:

PHONE: (913) 551-5042 FAX: (913) 551-5000

SITE CODE: OECA work

Description: Lincoln & 39 Highway (111 W Lincoln) Lab ID: 1111501-01

Sampled: 11/14/11 00:00

Pressure @ Receipt: 8" Hg

Canister #: 636

Received: 11/15/11 11:21

Comments:

Analyzed: 11/16/11 09:32

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.171	0.18	A-01	0.016
Propylene	0.272	0.47	A-01	0.039
Dichlorodifluoromethane	0.503	2.49	A-01	0.011
Chloromethane	0.474	0.98	A-01	0.012
Dichlorotetrafluoroethane	0.016	0.11	A-01	0.009
Vinyl chloride	ND	ND	A-01, U	0.008
1,3-Butadiene	0.020	0.04	A-01	0.007
Bromomethane	0.011	0.04	A-01	0.009
Chloroethane	ND	ND	A-01, U	0.009
Acetonitrile	0.138	0.23	A-01	0.024
Trichlorofluoromethane	0.304	1.71	A-01	0.010
Acrylonitrile	ND	ND	A-01, U	0.012
1,1-Dichloroethene	ND	ND	A-01, U	0.009
Dichloromethane	0.266	0.93	A-01	0.010
Carbon Disulfide	0.129	0.40	A-01	0.033
Trichlorotrifluoroethane	0.079	0.61	A-01	0.011
trans-1,2-Dichloroethylene	ND	ND	A-01, U	0.008
1,1-Dichloroethane	ND	ND	A-01, U	0.008
Methyl tert-Butyl Ether	ND	ND	A-01, U	0.008
Methyl Ethyl Ketone	0.760	2.25	A-01	0.157
Chloroprene	ND	ND	A-01, U	0.008
cis-1,2-Dichloroethylene	ND	ND	A-01, U	0.009
Bromochloromethane	ND	ND	A-01, U	0.008
Chloroform	ND	ND	A-01, U	0.009
Ethyl tert-Butyl Ether	ND	ND	A-01, U	0.008
1,2-Dichloroethane	0.026	0.11	A-01	0.009
1,1,1-Trichloroethane	0.006	0.03	A-01, U	0.022
Benzene	1.13	3.62	A-01	0.029
Carbon Tetrachloride	0.069	0.44	A-01	0.024
tert-Amyl Methyl Ether	ND	ND	A-01, U	0.016
1,2-Dichloropropane	ND	ND	A-01, U	0.023
Ethyl Acrylate	ND	ND	A-01, U	0.020
Bromodichloromethane	ND	ND	A-01, U	0.025
Trichloroethylene	ND	ND	A-01, U	0.025
Methyl Methacrylate	ND	ND	A-01, U	0.022
cis-1,3-Dichloropropene	ND	ND	A-01, U	0.022
Methyl Isobutyl Ketone	0.047	0.19	A-01	0.022
trans-1,3-Dichloropropene	ND	ND	A-01, U	0.025
1,1,2-Trichloroethane	ND	ND	A-01, U	0.025
Toluene	0.661	2.50	A-01	0.016
Dibromochloromethane	ND	ND	A-01, U	0.021

US EPA ARCHIVE DOCUMENT

Eastern Research Group

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CERTIFICATE OF ANALYSIS

EPA Region VII
 300 Minnesota Avenue
 Kansas City, KS 66101
 ATTN: Michael F. Davis

FILE #: 0278.00.001.030
 REPORTED: 12/05/11 10:59
 SUBMITTED: 11/15/11
 AQS SITE CODE:

PHONE: (913) 551-5042 FAX: (913) 551-5000

SITE CODE: OECA work

Description: Lincoln & 39 Highway (111 W Lincoln) Lab ID: 1111501-01

Sampled: 11/14/11 00:00

Pressure @ Receipt: 8" Hg

Canister #: 636

Received: 11/15/11 11:21

Comments:

Analyzed: 11/16/11 09:32

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
1,2-Dibromoethane	ND	ND	A-01, U	0.018
n-Octane	0.025	0.12	A-01	0.015
Tetrachloroethylene	0.016	0.11	A-01, U	0.018
Chlorobenzene	ND	ND	A-01, U	0.021
Ethylbenzene	0.068	0.30	A-01	0.017
m,p-Xylene	0.144	0.63	A-01	0.034
Bromoform	ND	ND	A-01, U	0.025
Styrene	0.058	0.25	A-01	0.022
1,1,2,2-Tetrachloroethane	ND	ND	A-01, U	0.024
o-Xylene	0.058	0.25	A-01	0.018
1,3,5-Trimethylbenzene	0.050	0.25	A-01	0.026
1,2,4-Trimethylbenzene	0.130	0.64	A-01	0.028
m-Dichlorobenzene	ND	ND	A-01, U	0.034
Chloromethylbenzene	ND	ND	A-01, U	0.039
p-Dichlorobenzene	0.027	0.16	A-01, U	0.035
o-Dichlorobenzene	ND	ND	A-01, U	0.037
1,2,4-Trichlorobenzene	ND	ND	A-01, U	0.036
Hexachloro-1,3-butadiene	ND	ND	A-01, U	0.037

US EPA ARCHIVE DOCUMENT



CERTIFICATE OF ANALYSIS

EPA Region VII
300 Minnesota Avenue
Kansas City, KS 66101
ATTN: Michael F. Davis

FILE #: 0278.00.001.030
REPORTED: 12/05/11 10:59
SUBMITTED: 11/15/11
AQS SITE CODE:
SITE CODE: OECA work

PHONE: (913) 551-5042 FAX: (913) 551-5000

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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US EPA ARCHIVE DOCUMENT



CERTIFICATE OF ANALYSIS

EPA Region VII

300 Minnesota Avenue

Kansas City, KS 66101

ATTN: Michael F. Davis

PHONE: (913) 551-5042 FAX: (913) 551-5000

FILE #: 0278.00.001.030

REPORTED: 12/05/11 10:59

SUBMITTED: 11/15/11

AQS SITE CODE:

SITE CODE: OECA work

Notes and Definitions

- U Under Detection Limit
- A-01 Estimated value due to possible canister leak.
- ND Analyte NOT DETECTED at or above the Method Detection Limit (MDL)
- NR Not Reported
- MDL Method Detection Limit
- RPD Relative Percent Difference

US EPA ARCHIVE DOCUMENT

Eastern Research Group

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Eastern Research Group
601 Keystone Park Drive
Suite 700
Morrisville, NC 27560

December 15, 2011

Michael F. Davis
EPA Region VII
300 Minnesota Avenue
Kansas City, KS 66101
Project Name: OECA work

Dear Michael F. Davis,

This report contains the analytical results for the sample(s) received under chain(s) of custody by Eastern Research Group on 12/06/11 12:29.

The test results in this report are in compliance with NELAC accreditation requirements for the certified parameters. All analyses were performed as described in the US EPA-approved QAPP, under the contract for NMOC, UATMP, PAMS, CSATAM, and NATTS support (US EPA Contract No. EP.D-09-048). This cover page is an integral part of this report, and any exceptions or comments are noted on the last page.

The issuance of the final Certificate of Analysis takes precedence over any previous Report. If you have any questions, please contact me at 919-468-7930.

Sincerely,

Laura Van Enwyck
Project Manager
laura.vanenwyck@erg.com

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CERTIFICATE OF ANALYSIS

EPA Region VII
300 Minnesota Avenue
Kansas City, KS 66101
ATTN: Michael F. Davis
PHONE: (913) 551-5042

FAX: (913) 551-5000

FILE #: 0278.00.001.030
REPORTED: 12/15/11 10:41
SUBMITTED: 12/06/11
AQS SITE CODE:
SITE CODE: OECA work

ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	<u>Received</u>
Ash & Forest SE Corner	1120611-01	Air	12/04/11 00:00	12/06/11 12:29



CERTIFICATE OF ANALYSIS

EPA Region VII
 300 Minnesota Avenue
 Kansas City, KS 66101
 ATTN: Michael F. Davis
 PHONE: (913) 551-5042 FAX: (913) 551-5000

FILE #: 0278.00.001.030
 REPORTED: 12/15/11 10:41
 SUBMITTED: 12/06/11
 AQS SITE CODE:
 SITE CODE: OECA work

Description: Ash & Forest SE Corner **Lab ID:** 1120611-01 **Sampled:** 12/04/11 00:00
Pressure @ Receipt: 6" Hg **Canister #:** 083 **Received:** 12/06/11 12:29
Comments: **Analyzed:** 12/07/11 01:11

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.436	0.47		0.016
Propylene	0.304	0.52		0.039
Dichlorodifluoromethane	0.567	2.81		0.011
Chloromethane	0.566	1.17		0.012
Dichlorotetrafluoroethane	0.019	0.13		0.009
Vinyl chloride	ND	ND	U	0.008
1,3-Butadiene	ND	ND	U	0.007
Bromomethane	0.012	0.05		0.009
Chloroethane	ND	ND	U	0.009
Acetonitrile	0.111	0.19		0.024
Trichlorofluoromethane	0.284	1.60		0.010
Acrylonitrile	ND	ND	U	0.012
1,1-Dichloroethene	ND	ND	U	0.009
Dichloromethane	0.083	0.29		0.010
Carbon Disulfide	0.019	0.06	U	0.033
Trichlorotrifluoroethane	0.099	0.76		0.011
trans-1,2-Dichloroethylene	ND	ND	U	0.008
1,1-Dichloroethane	ND	ND	U	0.008
Methyl tert-Butyl Ether	ND	ND	U	0.008
Methyl Ethyl Ketone	0.536	1.58		0.157
Chloroprene	ND	ND	U	0.008
cis-1,2-Dichloroethylene	ND	ND	U	0.009
Bromochloromethane	ND	ND	U	0.008
Chloroform	0.022	0.11		0.009
Ethyl tert-Butyl Ether	ND	ND	U	0.008
1,2-Dichloroethane	0.025	0.10		0.009
1,1,1-Trichloroethane	0.011	0.06	U	0.022
Benzene	0.188	0.60		0.029
Carbon Tetrachloride	0.106	0.67		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.016
1,2-Dichloropropane	ND	ND	U	0.023
Ethyl Acrylate	ND	ND	U	0.020
Bromodichloromethane	ND	ND	U	0.025
Trichloroethylene	ND	ND	U	0.025
Methyl Methacrylate	ND	ND	U	0.022
cis-1,3-Dichloropropene	ND	ND	U	0.022
Methyl Isobutyl Ketone	0.042	0.17		0.022
trans-1,3-Dichloropropene	ND	ND	U	0.025
1,1,2-Trichloroethane	ND	ND	U	0.025
Toluene	0.149	0.56		0.016
Dibromochloromethane	0.003	0.03	U	0.021

US EPA ARCHIVE DOCUMENT

Eastern Research Group

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CERTIFICATE OF ANALYSIS

EPA Region VII
300 Minnesota Avenue
Kansas City, KS 66101

ATTN: Michael F. Davis

PHONE: (913) 551-5042 FAX: (913) 551-5000

FILE #: 0278.00.001.030

REPORTED: 12/15/11 10:41

SUBMITTED: 12/06/11

AQS SITE CODE:

SITE CODE: OECA work

Description: Ash & Forest SE Corner

Lab ID: 1120611-01

Sampled: 12/04/11 00:00

Pressure @ Receipt: 6" Hg

Canister #: 083

Received: 12/06/11 12:29

Comments:

Analyzed: 12/07/11 01:11

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
1,2-Dibromoethane	ND	ND	U	0.018
n-Octane	0.044	0.21		0.015
Tetrachloroethylene	0.006	0.04	U	0.018
Chlorobenzene	ND	ND	U	0.021
Ethylbenzene	0.047	0.21		0.017
m,p-Xylene	0.070	0.31		0.034
Bromoform	ND	ND	U	0.025
Styrene	0.034	0.15		0.022
1,1,2,2-Tetrachloroethane	ND	ND	U	0.024
o-Xylene	0.036	0.16		0.018
1,3,5-Trimethylbenzene	0.025	0.12	U	0.026
1,2,4-Trimethylbenzene	0.047	0.23		0.028
m-Dichlorobenzene	ND	ND	U	0.034
Chloromethylbenzene	ND	ND	U	0.039
p-Dichlorobenzene	0.005	0.03	U	0.348
o-Dichlorobenzene	ND	ND	U	0.037
1,2,4-Trichlorobenzene	ND	ND	U	0.036
Hexachloro-1,3-butadiene	ND	ND	U	0.037

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EPA Region VII
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FILE #: 0278.00.001.030
REPORTED: 12/15/11 10:41
SUBMITTED: 12/06/11
AQS SITE CODE:
SITE CODE: OECA work

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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FILE #: 0278.00.001.030

REPORTED: 12/15/11 10:41

SUBMITTED: 12/06/11

AQS SITE CODE:

SITE CODE: OECA work

Notes and Definitions

U	Under Detection Limit
ND	Analyte NOT DETECTED at or above the Method Detection Limit (MDL)
NR	Not Reported
MDL	Method Detection Limit
RPD	Relative Percent Difference



Eastern Research Group
601 Keystone Park Drive
Suite 700
Morrisville, NC 27560

March 12, 2012

Michael F. Davis
EPA Region VII
300 Minnesota Avenue
Kansas City, KS 66101
Project Name: OECA work

Dear Michael F. Davis,

This report contains the analytical results for the sample(s) received under chain(s) of custody by Eastern Research Group on 03/05/12 09:16.

The test results in this report are in compliance with NELAC accreditation requirements for the certified parameters. All analyses were performed as described in the US EPA-approved QAPP, under the contract for UATMP, NATTS, CSATAM, PAMS, and NMOC support (US EPA Contract No. 68-D-09-048). This cover page is an integral part of this report, and any exceptions or comments are noted on the last page.

The issuance of the final Certificate of Analysis takes precedence over any previous Report. If you have any questions, please contact me at 919-468-7930.

Sincerely,

Laura Van Enwyck
Program Manager
laura.vanenwyck@erg.com

The information contained in this report and its attachment(s) are intended only for the use of the individual to whom it is addressed and may contain information that is privileged, confidential, or exempt from disclosure. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this report is strictly prohibited. If you have received this report in error, please notify laura.vanenwyck@erg.com and delete the report without retaining any copies.



EPA Region VII
300 Minnesota Avenue
Kansas City, KS 66101
ATTN: Michael F. Davis
PHONE: (913) 551-5042

FAX: (913) 551-5000

CERTIFICATE OF ANALYSIS

FILE #: 0278.00.001.030
REPORTED: 03/12/12 10:51
SUBMITTED: 03/05/12
AQS SITE CODE:
SITE CODE: OECA work

ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	<u>Received</u>
6th St between Central & Malcom	2030501-01	Air	03/02/12 00:00	03/05/12 09:16

US EPA ARCHIVE DOCUMENT



CERTIFICATE OF ANALYSIS

EPA Region VII
 300 Minnesota Avenue
 Kansas City, KS 66101
 ATTN: Michael F. Davis

FILE #: 0278.00.001.030
 REPORTED: 03/12/12 10:51
 SUBMITTED: 03/05/12
 AQS SITE CODE:
 SITE CODE: OECA work

PHONE: (913) 551-5042 FAX: (913) 551-5000

Description: 6th St between Central & Malcom Lab ID: 2030501-01

Sampled: 03/02/12 00:00

Pressure @ Receipt: 8.5" Hg

Canister #: 090

Received: 03/05/12 09:16

Comments:

Analyzed: 03/05/12 15:42

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Acetylene	0.627	0.67		0.072
Propylene	0.484	0.84		0.033
Dichlorodifluoromethane	0.500	2.48		0.023
Chloromethane	0.557	1.15		0.033
Dichlorotetrafluoroethane	0.015	0.11		0.012
Vinyl chloride	ND	ND	U	0.011
1,3-Butadiene	0.036	0.08		0.011
Bromomethane	0.012	0.05		0.012
Chloroethane	ND	ND	U	0.017
Acetonitrile	0.073	0.12		0.073
Trichlorofluoromethane	0.258	1.45		0.015
Acrylonitrile	ND	ND	U	0.020
1,1-Dichloroethane	ND	ND	U	0.014
Dichloromethane	0.185	0.64		0.023
Carbon Disulfide	0.037	0.12		0.014
Trichlorotrifluoroethane	0.119	0.91		0.017
trans-1,2-Dichloroethylene	ND	ND	U	0.012
1,1-Dichloroethane	ND	ND	U	0.015
Methyl tert-Butyl Ether	ND	ND	U	0.011
Chloroprene	ND	ND	U	0.012
cis-1,2-Dichloroethylene	ND	ND	U	0.018
Bromochloromethane	ND	ND	U	0.014
Chloroform	ND	ND	U	0.014
Ethyl tert-Butyl Ether	ND	ND	U	0.011
1,2-Dichloroethane	0.019	0.08		0.016
1,1,1-Trichloroethane	0.012	0.07	U	0.020
Benzene	0.344	1.10		0.061
Carbon Tetrachloride	0.088	0.56		0.024
tert-Amyl Methyl Ether	ND	ND	U	0.016
1,2-Dichloropropane	ND	ND	U	0.019
Ethyl Acrylate	ND	ND	U	0.014
Bromodichloromethane	ND	ND	U	0.021
Trichloroethylene	ND	ND	U	0.022
Methyl Methacrylate	ND	ND	U	0.025
cis-1,3-Dichloropropene	ND	ND	U	0.015
Methyl Isobutyl Ketone	0.015	0.06		0.015
trans-1,3-Dichloropropene	ND	ND	U	0.016
1,1,2-Trichloroethane	ND	ND	U	0.021
Toluene	0.416	1.57		0.045
Dibromochloromethane	ND	ND	U	0.018
1,2-Dibromoethane	ND	ND	U	0.017

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EPA Region VII
 300 Minnesota Avenue
 Kansas City, KS 66101
 ATTN: Michael F. Davis

FILE #: 0278.00.001.030
 REPORTED: 03/12/12 10:51
 SUBMITTED: 03/05/12
 AQS SITE CODE:
 SITE CODE: OECA work

PHONE: (913) 551-5042 FAX: (913) 551-5000

Description: 6th St between Central & Malcom Lab ID: 2030501-01 Sampled: 03/02/12 00:00
 Pressure @ Receipt: 8.5" Hg Canister #: 090 Received: 03/05/12 09:16
 Comments: Analyzed: 03/05/12 15:42

Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
n-Octane	0.039	0.18		0.020
Tetrachloroethylene	0.005	0.03	U	0.020
Chlorobenzene	ND	ND	U	0.025
Ethylbenzene	0.045	0.20		0.023
m,p-Xylene	0.112	0.49		0.037
Bromoform	ND	ND	U	0.020
Styrene	0.030	0.13		0.024
1,1,2,2-Tetrachloroethane	ND	ND	U	0.018
o-Xylene	0.050	0.22		0.020
1,3,5-Trimethylbenzene	0.019	0.09	U	0.022
1,2,4-Trimethylbenzene	0.047	0.23		0.025
m-Dichlorobenzene	ND	ND	U	0.024
p-Dichlorobenzene	0.004	0.02	U	0.019
o-Dichlorobenzene	ND	ND	U	0.021
1,2,4-Trichlorobenzene	ND	ND	U	0.022
Hexachloro-1,3-butadiene	ND	ND	U	0.022

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Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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REPORTED: 03/12/12 10:51

SUBMITTED: 03/05/12

AQS SITE CODE:

SITE CODE:

OECA work

Notes and Definitions

U	Under Detection Limit
ND	Analyte NOT DETECTED at or above the Method Detection Limit (MDL)
NR	Not Reported
MDL	Method Detection Limit
RPD	Relative Percent Difference

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