ExxonMobil
Refining & Supply Company
1001 Wampanoag Trail
East Providence, Rhode Island 02915
401 434 2900 Telephone
401 431 4028 Facsimile

ExxonMobil
Refining & Supply

August 18, 2009

Mr. Chad Staniszewski
New York State Department of
Environmental Conservation
270 Michigan Avenue
Buffalo, NY 14203

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RE: EXXON MOBIL OIL CORPORATION
FORMER BUFFALO TERMINAL
625 ELK STREET
BUFFALO, NEW YORK
BROWNFIELD SITE #C915201
SOIL VAPOR SAMPLING RESULTS

Dear Mr. Staniszewski:

Attached, please find the "July 2009 Sampling Results for Soil Vapor and Ambient Air" dated August 14, 2009 for the above referenced site.

If there are any questions please call me at (401) 434-7356.

Sincerely,

J.A. Abel

Project Manager

Cc: Mr. Cameron O"Connor - NYSDOH Buffalo
Buckeye Terminals LLC
One Babcock Terminal

ENVIRONMENTAL CONSULTING & MANAGEMENT
ROUX ASSOCIATES INC

67 South Bedford Street, Suite 101W
Burlington, Massachusetts 01803 TEL 781-270-6600 FAX 781-270-9066

August 14, 2009

Mr. Joseph Abel
ExxonMobil Environmental Services
1001 Wampanoag Trail
East providence, Rhode Island 02915

Re: July 2009 Sampling Results for Soil Vapor and Ambient Air,
ExxonMobil Oil Corporation, Former Buffalo Terminal

Dear Mr. Abel:

In accordance with the "Soil Vapor Sampling Report," dated January 30, 2009, the soil vapor and ambient air sampling within operable Units 2 and 3 (OU-2 and OU-3) of the ExxonMobil former Buffalo Terminal has been completed. Soil vapor and air samples were collected on July 7, 2009 and July 8, 2009, and were submitted to TestAmerica Laboratories, Inc. for laboratory analysis for the following:

- Volatile Organic Compounds (VOCs) via EPA TO-15
- Fixed gases (methane, carbon monoxide, carbon dioxide, hydrogen, nitrogen and oxygen) via ASTM D-1946

The final analytical results were received on August 6, 2009. Sampling results are provided on the attached tables (Table 1 for VOCs and Table 2 for fixed gases) and laboratory data sheets are included as Attachment 1. Sample locations are shown on Figure 1. Minor adjustments to sample locations were made in the field and are reflected on Figure 1. The results will be used to evaluate the potential for vapor intrusion in existing occupied buildings on Site, evaluate the Site property boundaries, and evaluate the potential for migration of soil vapor along sewer lines.

In addition to the analyses described above, forensic analyses, including carbon isotope, hydrogen isotope, and fixed gases analyses for assessment of the methane source (i.e., thermogenic versus biogenic), were conducted at two sampling locations (SV-1 and SV-13) on July 8, 2009 and July 9, 2009. These analyses were completed at Zymax Environmental Forensic Solutions and Environmental Analytical Service, Inc. The laboratory reports for these forensic analyses are included as Attachment 2.

Sincerely,
ROUX ASSOCIATES, INC.

Denise Kmetzo
Senior Risk Assessor

Noelle M. Clarke, P.E.
Principal Engineer

Attachments

Table 1. Summary of Volatile Organic Compounds in Subslab and Soil Vapor Samples, ExxonMobil Oil Corporation
Former Buffalo Terminal, Buffalo, New York

Parameter	**Sample Designation:**	Ambient Air 1	Ambient Air 1	Ambient Air 2	Ambient Air 2	SV-1	SV-1	SV-13
	Sample Date:	07/07/09	07/07/09	07/08/09	07/08/09	07/07/09	07/07/09	07/08/09
	Units:	ppbv	µg/m^3	ppbv	µg/m^3	ppbv	µg/m^3	ppbv
1,1,1-Trichloroethane		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
1,1,2,2-Tetrachloroethane		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
1,1,2-Trichloroethane		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
1,1-Dichloroethane		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
1,1-Dichloroethene		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
1,2,4-Trichlorobenzene		2.0 U	ND	2.0 U	ND	10 U	ND	2.0 U
1,2,4-Trimethylbenzene		**0.59**	**2.9**	0.50 U	ND	2.5 U	ND	0.50 U
1,2-Dibromoethane		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
1,2-Dichlorobenzene		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
1,2-Dichloroethane		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
1,2-Dichloropropane		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
1,3,5-Trimethylbenzene		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
1,3-Butadiene		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
1,3-Dichlorobenzene		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
1,4-Dichlorobenzene		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
2,2,4-Trimethylpentane		0.50 U	ND	0.50 U	ND	**120**	**561**	0.50 U
2-Butanone		**1.6**	**4.72**	**3.3**	**9.73**	5.0 U	ND	**3.5**
2-Hexanone		1.0 U	ND	1.0 U	ND	5.0 U	ND	1.0 U
2-Propanol		2.0 U	ND	2.0 U	ND	10 U	ND	2.0 U
4-Ethyltoluene		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
4-Methyl-2-pentanone		1.0 U	ND	1.0 U	ND	5.0 U	ND	1.0 U
Acetone		**21**	**49.9**	**18**	**42.8**	25 U	ND	**32**
Allyl Chloride		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
Benzene		0.50 U	ND	**0.57**	**1.82**	2.5 U	ND	0.50 U
Benzyl Chloride		2.0 U	ND	2.0 U	ND	10 U	ND	2.0 U
Bromodichloromethane		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
Bromoethene		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
Bromoform		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
Bromomethane		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
Carbon disulfide		**0.5**	**1.56**	0.50 U	ND	**6.6**	**20.6**	0.50 U
Carbon tetrachloride		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
Chlorobenzene		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
Chloroethane		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
Chloroform		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
Chloromethane		**0.51**	**1.05**	0.50 U	ND	2.5 U	ND	**0.51**
cis-1,2-Dichloroethene		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U

Table 1. Summary of Volatile Organic Compounds in Subslab and Soil Vapor Samples, ExxonMobil Oil Corporation
Former Buffalo Terminal, Buffalo, New York

Parameter	**Sample Designation:**	Ambient Air 1	Ambient Air 1	Ambient Air 2	Ambient Air 2	SV-1	SV-1	SV-13
	Sample Date:	07/07/09	07/07/09	07/08/09	07/08/09	07/07/09	07/07/09	07/08/09
	Units:	ppbv	µg/m^3	ppbv	µg/m^3	ppbv	µg/m^3	ppbv
cis-1,3-Dichloropropene		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
Cyclohexane		0.50 U	ND	0.50 U	ND	**40**	**138**	0.50 U
Dibromochloromethane		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
Dichlorodifluoromethane		0.50 U	ND	**0.7**	**3.46**	2.5 U	ND	**0.71**
Ethyl Acetate		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
Ethylbenzene		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
Freon 113		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
Freon 114		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
Heptane		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
Hexachlorobutadiene		1.0 U	ND	1.0 U	ND	5.0 U	ND	1.0 U
Hexane		**0.5**	**1.76**	0.50 U	ND	**6.3**	**22.2**	0.50 U
m+p-Xylene		**1.3**	**5.64**	**1.3**	**5.64**	**5.8**	**25.2**	1.0 U
Methylene Chloride		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
MTBE		1.0 U	ND	1.0 U	ND	5.0 U	ND	1.0 U
o-Xylene		**0.5**	**2.17**	0.50 U	ND	2.5 U	ND	0.50 U
Propene		0.50 U	ND	0.50 U	ND	**19**	**32.7**	0.50 U
Styrene		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
Tetrachloroethene		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
Tetrahydrofuran		2.0 U	ND	2.0 U	ND	10 U	ND	2.0 U
Toluene		**1.9**	**7.16**	**1.3**	**4.9**	**14**	**52.8**	**9.6**
trans-1,2-Dichloroethene		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
trans-1,3-Dichloropropene		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
Trichloroethene		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
Trichlorofluoromethane		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
Vinyl Acetate		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U
Vinyl chloride		0.50 U	ND	0.50 U	ND	2.5 U	ND	0.50 U

Notes:
ppbv - Parts per billion/volume
µg/m^3 - Micrograms per cubic meter
ND - Not detected; reporting limit not available
U - Not detected

Table 1. Summary of Volatile Organic Compounds in Subslab and Soil Vapor Samples, ExxonMobil Oil Corporation
Former Buffalo Terminal, Buffalo, New York

Parameter	Sample Designation:	SV-13	SV-14	SV-14	SV-15	SV-15	SV-16	SV-16	SV-17	SV-17
	Sample Date:	07/08/09	07/07/09	07/07/09	07/07/09	07/07/09	07/07/09	07/07/09	07/07/09	07/07/09
	Units:	µg/m^3	ppbv	µg/m^3	ppbv	µg/m^3	ppbv	µg/m^3	ppbv	µg/m^3
1,1,1-Trichloroethane		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
1,1,2,2-Tetrachloroethane		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
1,1,2-Trichloroethane		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
1,1-Dichloroethane		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
1,1-Dichloroethene		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
1,2,4-Trichlorobenzene		ND	9.9 U	ND	2.0 U	ND	10 U	ND	2.0 U	ND
1,2,4-Trimethylbenzene		ND	2.5 U	ND	**0.81**	**3.98**	2.5 U	ND	**3.5**	**17.2**
1,2-Dibromoethane		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
1,2-Dichlorobenzene		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
1,2-Dichloroethane		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
1,2-Dichloropropane		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
1,3,5-Trimethylbenzene		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	**0.75**	**3.69**
1,3-Butadiene		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
1,3-Dichlorobenzene		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
1,4-Dichlorobenzene		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	**0.5**	**3.01**
2,2,4-Trimethylpentane		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
2-Butanone		**10.3**	5.0 U	ND	**3**	**8.85**	5.0 U	ND	**12**	**35.4**
2-Hexanone		ND	5.0 U	ND	1.0 U	ND	5.0 U	ND	**1**	**4.1**
2-Propanol		ND	9.9 U	ND	2.0 U	ND	10 U	ND	2.0 U	ND
4-Ethyltoluene		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	**1.2**	**5.9**
4-Methyl-2-pentanone		ND	5.0 U	ND	1.0 U	ND	5.0 U	ND	1.0 U	ND
Acetone		**76**	25 U	ND	**24**	**57**	25 U	ND	**45**	**107**
Allyl Chloride		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
Benzene		ND	**3.9**	**12.5**	0.50 U	ND	**2.5**	**7.99**	**1.1**	**3.51**
Benzyl Chloride		ND	9.9 U	ND	2.0 U	ND	10 U	ND	2.0 U	ND
Bromodichloromethane		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
Bromoethene		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
Bromoform		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
Bromomethane		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
Carbon disulfide		ND	**15**	**46.7**	**1**	**3.11**	**8.1**	**25.2**	**4**	**12.5**
Carbon tetrachloride		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
Chlorobenzene		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
Chloroethane		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
Chloroform		ND	**3.5**	**17.1**	**2.6**	**12.7**	2.5 U	ND	**1.7**	**8.3**
Chloromethane		**1.05**	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
cis-1,2-Dichloroethene		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND

Table 1. Summary of Volatile Organic Compounds in Subslab and Soil Vapor Samples, ExxonMobil Oil Corporation
Former Buffalo Terminal, Buffalo, New York

Parameter	Sample Designation:	SV-13	SV-14	SV-14	SV-15	SV-15	SV-16	SV-16	SV-17	SV-17
	Sample Date:	07/08/09	07/07/09	07/07/09	07/07/09	07/07/09	07/07/09	07/07/09	07/07/09	07/07/09
	Units:	µg/m^3	ppbv	µg/m^3	ppbv	µg/m^3	ppbv	µg/m^3	ppbv	µg/m^3
cis-1,3-Dichloropropene		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
Cyclohexane		ND	**20**	**68.8**	0.50 U	ND	2.5 U	ND	0.50 U	ND
Dibromochloromethane		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
Dichlorodifluoromethane		**3.51**	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
Ethyl Acetate		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
Ethylbenzene		ND	2.5 U	ND	**0.95**	**4.13**	2.5 U	ND	**1.7**	**7.38**
Freon 113		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
Freon 114		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
Heptane		ND	**7.6**	**31.1**	0.50 U	ND	2.5 U	ND	**0.95**	**3.89**
Hexachlorobutadiene		ND	5.0 U	ND	1.0 U	ND	5.0 U	ND	1.0 U	ND
Hexane		ND	**10**	**35.2**	0.50 U	ND	**3.2**	**11.3**	**1.6**	**5.64**
m+p-Xylene		ND	**6.8**	**29.5**	**3.5**	**15.2**	5.0 U	ND	**6.4**	**27.8**
Methylene Chloride		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
MTBE		ND	5.0 U	ND	1.0 U	ND	5.0 U	ND	1.0 U	ND
o-Xylene		ND	**3.9**	**16.9**	**1.2**	**5.21**	2.5 U	ND	**2.6**	**11.3**
Propene		ND	**28**	**48.2**	0.50 U	ND	**95**	**163**	**0.57**	**0.981**
Styrene		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
Tetrachloroethene		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	**5.1**	**34.6**
Tetrahydrofuran		ND	9.9 U	ND	2.0 U	ND	10 U	ND	**2.2**	**6.49**
Toluene		**36.2**	**10**	**37.7**	**3.1**	**11.7**	**5.7**	**21.5**	**7**	**26.4**
trans-1,2-Dichloroethene		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
trans-1,3-Dichloropropene		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
Trichloroethene		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
Trichlorofluoromethane		ND	2.5 U	ND	**0.59**	**3.31**	2.5 U	ND	**0.7**	**3.93**
Vinyl Acetate		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND
Vinyl chloride		ND	2.5 U	ND	0.50 U	ND	2.5 U	ND	0.50 U	ND

Notes:
ppbv - Parts per billion/volume
µg/m^3 - Micrograms per cubic meter
ND - Not detected; reporting limit not available
U - Not detected

Table 1. Summary of Volatile Organic Compounds in Subslab and Soil Vapor Samples, ExxonMobil Oil Corporation
Former Buffalo Terminal, Buffalo, New York

Parameter	Sample Designation:	SV-18	SV-18	SV-18 DUP	SV-18 DUP	SV-19	SV-19
	Sample Date:	07/07/09	07/07/09	07/08/09	07/08/09	07/07/09	07/07/09
	Units:	ppbv	µg/m^3	ppbv	µg/m^3	ppbv	µg/m^3
1,1,1-Trichloroethane		**11**	**60**	**10**	**54.6**	0.50 U	ND
1,1,2,2-Tetrachloroethane		0.50 U	ND	0.50 U	ND	0.50 U	ND
1,1,2-Trichloroethane		0.50 U	ND	0.50 U	ND	0.50 U	ND
1,1-Dichloroethane		0.50 U	ND	0.50 U	ND	0.50 U	ND
1,1-Dichloroethene		0.50 U	ND	0.50 U	ND	0.50 U	ND
1,2,4-Trichlorobenzene		2.0 U	ND	2.0 U	ND	2.0 U	ND
1,2,4-Trimethylbenzene		**1.7**	**8.36**	**1.4**	**6.88**	**1**	**4.92**
1,2-Dibromoethane		0.50 U	ND	0.50 U	ND	0.50 U	ND
1,2-Dichlorobenzene		0.50 U	ND	0.50 U	ND	0.50 U	ND
1,2-Dichloroethane		0.50 U	ND	0.50 U	ND	0.50 U	ND
1,2-Dichloropropane		0.50 U	ND	0.50 U	ND	0.50 U	ND
1,3,5-Trimethylbenzene		0.50 U	ND	0.50 U	ND	0.50 U	ND
1,3-Butadiene		0.50 U	ND	0.50 U	ND	0.50 U	ND
1,3-Dichlorobenzene		0.50 U	ND	0.50 U	ND	0.50 U	ND
1,4-Dichlorobenzene		**0.53**	**3.19**	0.50 U	ND	**0.57**	**3.43**
2,2,4-Trimethylpentane		**0.6**	**2.8**	0.50 U	ND	0.50 U	ND
2-Butanone		**2.4**	**7.08**	**4.3**	**12.7**	**4.3**	**12.7**
2-Hexanone		1.0 U	ND	1.0 U	ND	1.0 U	ND
2-Propanol		2.0 U	ND	**2.4**	**5.9**	2.0 U	ND
4-Ethyltoluene		**0.69**	**3.39**	**0.56**	**2.75**	**0.55**	**2.7**
4-Methyl-2-pentanone		1.0 U	ND	1.0 U	ND	1.0 U	ND
Acetone		**28**	**66.5**	**26**	**61.8**	**29**	**68.9**
Allyl Chloride		0.50 U	ND	0.50 U	ND	0.50 U	ND
Benzene		**0.84**	**2.68**	**0.76**	**2.43**	0.50 U	ND
Benzyl Chloride		2.0 U	ND	2.0 U	ND	2.0 U	ND
Bromodichloromethane		0.50 U	ND	0.50 U	ND	0.50 U	ND
Bromoethene		0.50 U	ND	0.50 U	ND	0.50 U	ND
Bromoform		0.50 U	ND	0.50 U	ND	0.50 U	ND
Bromomethane		0.50 U	ND	0.50 U	ND	0.50 U	ND
Carbon disulfide		**3.7**	**11.5**	**3.7**	**11.5**	**5**	**15.6**
Carbon tetrachloride		0.50 U	ND	0.50 U	ND	0.50 U	ND
Chlorobenzene		0.50 U	ND	0.50 U	ND	0.50 U	ND
Chloroethane		0.50 U	ND	0.50 U	ND	0.50 U	ND
Chloroform		**0.66**	**3.22**	**0.55**	**2.69**	0.50 U	ND
Chloromethane		0.50 U	ND	0.50 U	ND	0.50 U	ND
cis-1,2-Dichloroethene		0.50 U	ND	0.50 U	ND	0.50 U	ND

Table 1. Summary of Volatile Organic Compounds in Subslab and Soil Vapor Samples, ExxonMobil Oil Corporation
Former Buffalo Terminal, Buffalo, New York

Parameter	Sample Designation:	SV-18	SV-18	SV-18 DUP	SV-18 DUP	SV-19	SV-19
	Sample Date:	07/07/09	07/07/09	07/08/09	07/08/09	07/07/09	07/07/09
	Units:	ppbv	µg/m^3	ppbv	µg/m^3	ppbv	µg/m^3
cis-1,3-Dichloropropene		0.50 U	ND	0.50 U	ND	0.50 U	ND
Cyclohexane		**0.54**	**1.86**	0.50 U	ND	0.50 U	ND
Dibromochloromethane		0.50 U	ND	0.50 U	ND	0.50 U	ND
Dichlorodifluoromethane		**0.78**	**3.86**	**0.73**	**3.61**	0.50 U	ND
Ethyl Acetate		0.50 U	ND	0.50 U	ND	0.50 U	ND
Ethylbenzene		**0.95**	**4.13**	**1.1**	**4.78**	**1.1**	**4.78**
Freon 113		0.50 U	ND	0.50 U	ND	0.50 U	ND
Freon 114		0.50 U	ND	0.50 U	ND	0.50 U	ND
Heptane		**1.1**	**4.51**	**0.54**	**2.21**	0.50 U	ND
Hexachlorobutadiene		1.0 U	ND	1.0 U	ND	1.0 U	ND
Hexane		**1.1**	**3.88**	0.50 U	ND	0.50 U	ND
m+p-Xylene		**3.7**	**16.1**	**4.1**	**17.8**	**3.6**	**15.6**
Methylene Chloride		0.50 U	ND	0.50 U	ND	0.50 U	ND
MTBE		1.0 U	ND	1.0 U	ND	1.0 U	ND
o-Xylene		**1.5**	**6.51**	**1.5**	**6.51**	**1.4**	**6.08**
Propene		**1.2**	**2.07**	**0.51**	**0.878**	0.50 U	ND
Styrene		0.50 U	ND	0.50 U	ND	0.50 U	ND
Tetrachloroethene		**23**	**156**	**16**	**109**	**4.1**	**27.8**
Tetrahydrofuran		2.0 U	ND	2.0 U	ND	2.0 U	ND
Toluene		**4.5**	**17**	**4.7**	**17.7**	**3.7**	**13.9**
trans-1,2-Dichloroethene		0.50 U	ND	0.50 U	ND	0.50 U	ND
trans-1,3-Dichloropropene		0.50 U	ND	0.50 U	ND	0.50 U	ND
Trichloroethene		0.50 U	ND	0.50 U	ND	0.50 U	ND
Trichlorofluoromethane		0.50 U	ND	0.50 U	ND	**0.65**	**3.65**
Vinyl Acetate		0.50 U	ND	0.50 U	ND	0.50 U	ND
Vinyl chloride		0.50 U	ND	0.50 U	ND	0.50 U	ND

Notes:
ppbv - Parts per billion/volume
µg/m^3 - Micrograms per cubic meter
ND - Not detected; reporting limit not available
U - Not detected

Table 2. Summary of Fixed Gases in Subslab and Soil Vapor Samples, ExxonMobil Oil Corporation
Former Buffalo Terminal, Buffalo, New York

Parameter	Sample Designation:	Ambient Air 1	Ambient Air 1	Ambient Air 2	Ambient Air 2	SV-1
	Sample Date:	07/07/09	07/07/09	07/08/09	07/08/09	07/07/09
	Units:	ppmv	µg/m^3	ppmv	µg/m^3	ppmv
Carbon Dioxide		**15.4**	**703**	**15.1**	**714**	**14.8**
Carbon Monoxide		15.40 U	ND	15.10 U	ND	14.80 U
Hydrogen		381.9 U	ND	374.5 U	ND	367.0 U
Methane		15.28 U	ND	14.98 U	ND	**14.68**
Nitrogen		**19100**	**891000**	**18720**	**886000**	**18350**
Oxygen		**19170**	**254000**	**18800**	**252000**	**18430**

Notes:
ppmv - Parts per million/volume
µg/m^3 - Micrograms per cubic meter
U - Not detected
ND - Not detected; reporting limit not available

Table 2. Summary of Fixed Gases in Subslab and Soil Vapor Samples, ExxonMobil Oil Corporation
Former Buffalo Terminal, Buffalo, New York

Parameter	Sample Designation:	SV-1	SV-13	SV-13	SV-14	SV-14
	Sample Date:	07/07/09	07/08/09	07/08/09	07/07/09	07/07/09
	Units:	µg/m^3	ppmv	µg/m^3	ppmv	µg/m^3
Carbon Dioxide		**4620**	**14**	**691**	**735**	**60700**
Carbon Monoxide		ND	14.00 U	ND	14.70 U	ND
Hydrogen		ND	347.2 U	ND	364.6 U	ND
Methane		**4600**	13.89 U	ND	**14.58**	**12.8**
Nitrogen		**880000**	**17360**	**917000**	**18230**	**957000**
Oxygen		**257000**	**17430**	**265000**	**18300**	**181000**

Notes:
ppmv - Parts per million/volume
µg/m^3 - Micrograms per cubic meter
U - Not detected
ND - Not detected; reporting limit not available

Table 2. Summary of Fixed Gases in Subslab and Soil Vapor Samples, ExxonMobil Oil Corporation
Former Buffalo Terminal, Buffalo, New York

Parameter	**Sample Designation:**	SV-15	SV-15	SV-16	SV-16	SV-17
	Sample Date:	07/07/09	07/07/09	07/07/09	07/07/09	07/07/09
	Units:	ppmv	µg/m^3	ppmv	µg/m^3	ppmv
Carbon Dioxide		**15.2**	**9080**	**730**	**146000**	**15.2**
Carbon Monoxide		15.20 U	ND	15.60 U	ND	15.20 U
Hydrogen		377.0 U	ND	386.9 U	ND	377.0 U
Methane		15.08 U	ND	**15.48**	**211**	15.08 U
Nitrogen		**18850**	**899000**	**18100**	**914000**	**18850**
Oxygen		**18920**	**250000**	**18180**	**44200**	**18920**

Notes:
ppmv - Parts per million/volume
µg/m^3 - Micrograms per cubic meter
U - Not detected
ND - Not detected; reporting limit not available

Table 2. Summary of Fixed Gases in Subslab and Soil Vapor Samples, ExxonMobil Oil Corporation
Former Buffalo Terminal, Buffalo, New York

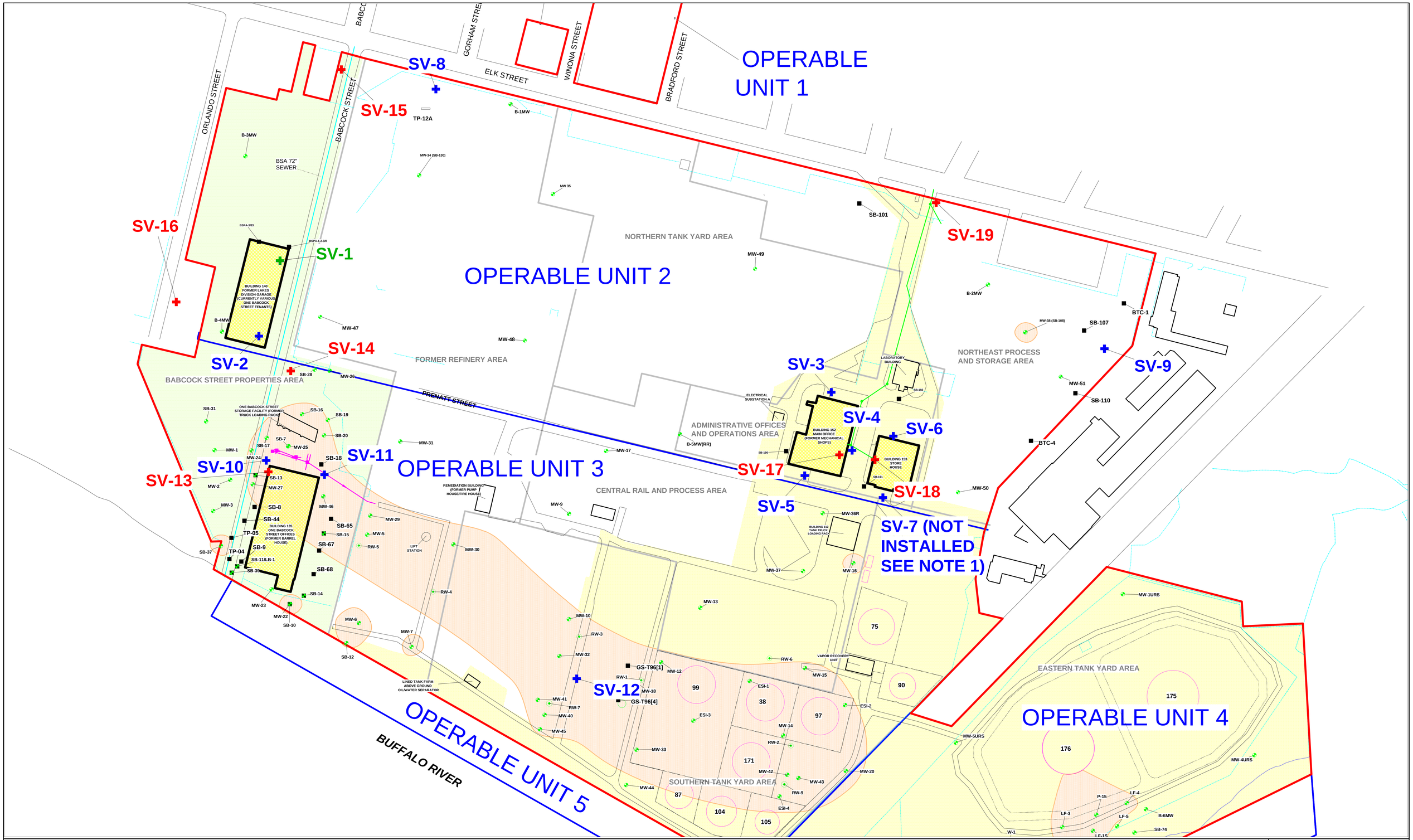
Parameter	**Sample Designation:**	SV-17	SV-18	SV-18	SV-18 DUP	SV-18 DUP
	Sample Date:	07/07/09	07/07/09	07/07/09	07/08/09	07/08/09
	Units:	µg/m^3	ppmv	µg/m^3	ppmv	µg/m^3
Carbon Dioxide		**535**	**14.8**	**8400**	**15.3**	**8010**
Carbon Monoxide		ND	14.80 U	ND	15.30 U	ND
Hydrogen		ND	367.0 U	ND	379.4 U	ND
Methane		ND	14.68 U	ND	15.18 U	ND
Nitrogen		**865000**	**18350**	**942000**	**18970**	**890000**
Oxygen		**256000**	**18430**	**265000**	**19050**	**245000**

Notes:
ppmv - Parts per million/volume
µg/m^3 - Micrograms per cubic meter
U - Not detected
ND - Not detected; reporting limit not available

Table 2. Summary of Fixed Gases in Subslab and Soil Vapor Samples, ExxonMobil Oil Corporation
Former Buffalo Terminal, Buffalo, New York

Parameter	**Sample Designation:**	SV-19	SV-19
	Sample Date:	07/07/09	07/07/09
	Units:	ppmv	µg/m^3
Carbon Dioxide		**780**	**82000**
Carbon Monoxide		15.60 U	ND
Hydrogen		386.9 U	ND
Methane		15.48 U	ND
Nitrogen		**19340**	**899000**
Oxygen		**19420**	**186000**

Notes:
ppmv - Parts per million/volume
µg/m^3 - Micrograms per cubic meter
U - Not detected
ND - Not detected; reporting limit not available



SOIL VAPOR SAMPLE LOCATION COMPLETED IN OCTOBER/NOVEMBER 2008

SOIL VAPOR SAMPLE LOCATION COMPLETED IN 2008/2009 (SAMPLE POINT SV-1 WAS RESAMPLED IN JULY 2009)

SOIL VAPOR SAMPLE LOCATION COMPLETED IN JULY 2009

PROPERTY OWNED AND OPERATED BY ONE BABCOCK STREET, INC. SINCE 1994

PROPERTY OWNED AND OPERATED BY BUCKEYE TERMINALS, LLC AS OF MAY 4, 2005

NOTE: EXXONMOBIL OWNS ALL PROPERTY WITHIN THE BCP SITE BOUNDARY THAT IS NOT OWNED BY ONE BABCOCK STREET, INC OR BUCKEYE TERMINALS LLC.

BCP SITE BOUNDARY

OPERABLE UNIT BOUNDARY

GEOGRAPHIC AREA BOUNDARY

EXISTING STRUCTURE

EXISTING OCCUPIED BUILDING TO BE ASSESSED DURING SOIL VAPOR INVESTIGATION

HISTORICAL AND CURRENT SEPARATE-PHASE PRODUCT

EXISTING ROAD

ACTIVE ABOVE GROUND TANK BERMS

SANITARY SEWER SYSTEM

72" BUFFALO SEWER AUTHORITY (BSA) SEWER

FENCELINE

STORM SEWER PIPING (ONLY SELECTED PIPING IN THE BSPA SHOWN)

STORM SEWER CATCH BASIN (ONLY SELECTED CATCH BASINS IN THE BSPA SHOWN)

SOIL SAMPLE IN THE VICINITY OF PROPOSED VAPOR SAMPLE LOCATIONS

MONITORING WELL

NOTE 1: SV-7 COULD NOT BE INSTALLED AFTER SEVERAL ATTEMPTS DUE TO SHALLOW WATER ENCOUNTERED AT 1.5 FEET BELOW GRADE.

100' 0 100'

N

Title:

SOIL VAPOR SAMPLING LOCATIONS

Prepared For:

EXXONMOBIL OIL CORPORATION

ROUX ASSOCIATES INC
Environmental Consulting & Management

Compiled by: NC	Date: August 12, 2009	FIGURE
Prepared by: NC	Scale: AS SHOWN	1
Project Mgr: NC	Office: NY	
File No: MC52100M01.WOR	Project: 17252Y11	

ATTACHMENT 1

TestAmerica Laboratories, Inc. Analytical Reports

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

August 05, 2009

LABORATORY REPORT

Client:
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Attn: Gail Lage

Work Order:	PSG0612
Project Name:	N_ExxonMobil Buffalo
Project Number:	Former Exxon Buffalo Terminal
Date Received:	07/10/09

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report. This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE: SAMPLE RECEIPT: Samples were received intact, at 20°C and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: No significant observations were made.

SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

Approved By:

Denise Harrington
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
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TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Gail Lage

Work Order: PSG0612
Project: N_ExxonMobil Buffalo
Project Number: Former Exxon Buffalo Terminal

Received: 07/10/09
Reported: 08/05/09 17:06

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
NSG0861-01 (SV-1)	PSG0612-01	07/07/09	Summa Canister
NSG0861-02 (SV-14)	PSG0612-02	07/07/09	Summa Canister
NSG0861-03 (SV-15)	PSG0612-03	07/07/09	Summa Canister
NSG0861-04 (SV-16)	PSG0612-04	07/07/09	Summa Canister
NSG0861-05 (SV-17)	PSG0612-05	07/07/09	Summa Canister
NSG0861-06 (SV-18)	PSG0612-06	07/07/09	Summa Canister
NSG0861-07 (SV-19)	PSG0612-07	07/07/09	Summa Canister
NSG0861-08 (Ambient Air 1)	PSG0612-08	07/07/09	Summa Canister
NSG0861-09 (SV-13)	PSG0612-09	07/08/09	Summa Canister
NSG0861-10 (Duplicate)	PSG0612-10	07/08/09	Summa Canister
NSG0861-11 (Ambient Air 2)	PSG0612-11	07/08/09	Summa Canister

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TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Gail Lage

Work Order: PSG0612
Project: N_ExxonMobil Buffalo
Project Number: Former Exxon Buffalo Terminal

Received: 07/10/09
Reported: 08/05/09 17:06

ANALYTICAL REPORT

	ppbv		ug/m3		Data		Date		
	Result	PQL	Result	PQL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PSG0612-01 (NSG0861-01 (SV-1))								**Sampled: 07/07/09 16:48**	
1,1,1-Trichloroethane	<2.5	2.5	<13.6	13.6		5.0	7/27/2009	TR/	EPA TO15
1,1,2,2-Tetrachloroethane	<2.5	2.5	<17.2	17.2		5.0	7/27/2009	TR/	EPA TO15
1,1,2-Trichloroethane	**1.6**	**2.5**	**8.7**	**13.6**	**J**	**5.0**	**7/27/2009**	**TR/**	**EPA TO15**
1,1-Dichloroethane	<2.5	2.5	<10.1	10.1		5.0	7/27/2009	TR/	EPA TO15
1,1-Dichloroethene	<2.5	2.5	<9.91	9.91		5.0	7/27/2009	TR/	EPA TO15
1,2,4-Trichlorobenzene	<10	10	<74.2	74.2		5.0	7/27/2009	TR/	EPA TO15
1,2,4-Trimethylbenzene	<2.5	2.5	<12.3	12.3		5.0	7/27/2009	TR/	EPA TO15
1,2-Dibromoethane (EDB)	<2.5	2.5	<19.2	19.2		5.0	7/27/2009	TR/	EPA TO15
1,2-Dichlorobenzene	<2.5	2.5	<15.0	15.0		5.0	7/27/2009	TR/	EPA TO15
1,2-Dichloroethane	<2.5	2.5	<10.1	10.1		5.0	7/27/2009	TR/	EPA TO15
1,2-Dichloropropane	<2.5	2.5	<11.6	11.6		5.0	7/27/2009	TR/	EPA TO15
1,3,5-Trimethylbenzene	<2.5	2.5	<12.3	12.3		5.0	7/27/2009	TR/	EPA TO15
1,3-Butadiene	<2.5	2.5	<5.52	5.52		5.0	7/27/2009	TR/	EPA TO15
1,3-Dichlorobenzene	<2.5	2.5	<15.0	15.0		5.0	7/27/2009	TR/	EPA TO15
1,4-Dichlorobenzene	<2.5	2.5	<15.0	15.0		5.0	7/27/2009	TR/	EPA TO15
2,2,4-Trimethylpentane	**120**	**2.5**	**560**	**11.7**		**5.0**	**7/27/2009**	**TR/**	**EPA TO15**
2-Butanone (MEK)	<5.0	5.0	<14.7	14.7		5.0	7/27/2009	TR/	EPA TO15
2-Hexanone	<5.0	5.0	<20.5	20.5		5.0	7/27/2009	TR/	EPA TO15
2-Propanol	<10	10	<24.6	24.6		5.0	7/27/2009	TR/	EPA TO15
4-Ethyltoluene	<2.5	2.5	<12.3	12.3		5.0	7/27/2009	TR/	EPA TO15
4-Methyl-2-pentanone (MIBK)	<5.0	5.0	<20.5	20.5		5.0	7/27/2009	TR/	EPA TO15
Acetone	<25	25	<59.4	59.4		5.0	7/27/2009	TR/	EPA TO15
Allyl Chloride	<2.5	2.5	<7.82	7.82		5.0	7/27/2009	TR/	EPA TO15
Benzene	**2.4**	**2.5**	**7.7**	**7.99**	**J**	**5.0**	**7/27/2009**	**TR/**	**EPA TO15**
Benzyl Chloride	<10	10	<51.8	51.8		5.0	7/27/2009	TR/	EPA TO15
Bromodichloromethane	<2.5	2.5	<16.8	16.8		5.0	7/27/2009	TR/	EPA TO15
Bromoethene(Vinyl Bromide)	<2.5	2.5	<10.9	10.9		5.0	7/27/2009	TR/	EPA TO15
Bromoform	<2.5	2.5	<25.8	25.8		5.0	7/27/2009	TR/	EPA TO15
Bromomethane	<2.5	2.5	<9.71	9.71		5.0	7/27/2009	TR/	EPA TO15
Carbon disulfide	**6.6**	**2.5**	**21**	**7.78**		**5.0**	**7/27/2009**	**TR/**	**EPA TO15**
Carbon tetrachloride	<2.5	2.5	<15.7	15.7		5.0	7/27/2009	TR/	EPA TO15
Chlorobenzene	<2.5	2.5	<11.5	11.5		5.0	7/27/2009	TR/	EPA TO15
Chloroethane	<2.5	2.5	<6.60	6.60		5.0	7/27/2009	TR/	EPA TO15
Chloroform	<2.5	2.5	<12.2	12.2		5.0	7/27/2009	TR/	EPA TO15
Chloromethane	<2.5	2.5	<5.16	5.16		5.0	7/27/2009	TR/	EPA TO15
cis-1,2-Dichloroethene	<2.5	2.5	<9.91	9.91		5.0	7/27/2009	TR/	EPA TO15
cis-1,3-Dichloropropene	<2.5	2.5	<11.3	11.3		5.0	7/27/2009	TR/	EPA TO15
Cyclohexane	**40**	**2.5**	**140**	**8.61**		**5.0**	**7/27/2009**	**TR/**	**EPA TO15**
Dibromochloromethane	<2.5	2.5	<21.3	21.3		5.0	7/27/2009	TR/	EPA TO15
Dichlorodifluoromethane	<2.5	2.5	<12.4	12.4		5.0	7/27/2009	TR/	EPA TO15
Dichlorotetrafluoroethane(F-114)	<2.5	2.5	<17.5	17.5		5.0	7/27/2009	TR/	EPA TO15
Ethyl Acetate	<2.5	2.5	<9.01	9.01		5.0	7/27/2009	TR/	EPA TO15

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TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Gail Lage

Work Order: PSG0612
Project: N_ExxonMobil Buffalo
Project Number: Former Exxon Buffalo Terminal

Received: 07/10/09
Reported: 08/05/09 17:06

Volatile Organic Compounds by EPA TO-15

Sample ID: PSG0612-01 (NSG0861-01 (SV-1)) - cont. **Sampled: 07/07/09 16:48**

	ppbv Result	ppbv PQL	ug/m3 Result	ug/m3 PQL	Data Qualifiers	Dilution	Date Analyzed	Analyst	Method
Ethylbenzene	**1.8**	**2.5**	**7.8**	**10.9**	**J**	**5.0**	**7/27/2009**	**TR/**	**EPA TO15**
Freon 113	<2.5	2.5	<19.2	19.2		5.0	7/27/2009	TR/	EPA TO15
Heptane	**1.3**	**2.5**	**5.3**	**10.2**	**J**	**5.0**	**7/27/2009**	**TR/**	**EPA TO15**
Hexachlorobutadiene	<5.0	5.0	<53.3	53.3		5.0	7/27/2009	TR/	EPA TO15
Hexane	**6.3**	**2.5**	**22**	**8.81**		**5.0**	**7/27/2009**	**TR/**	**EPA TO15**
m,p-Xylenes	**5.8**	**5.0**	**25**	**21.7**		**5.0**	**7/27/2009**	**TR/**	**EPA TO15**
Methylene Chloride	<2.5	2.5	<8.68	8.68		5.0	7/27/2009	TR/	EPA TO15
Methyl-tert-butyl Ether (MTBE)	<5.0	5.0	<18.0	18.0		5.0	7/27/2009	TR/	EPA TO15
o-Xylene	**2.2**	**2.5**	**9.6**	**10.9**	**J**	**5.0**	**7/27/2009**	**TR/**	**EPA TO15**
Propene	**19**	**2.5**	**33**	**4.30**		**5.0**	**7/27/2009**	**TR/**	**EPA TO15**
Styrene	<2.5	2.5	<10.6	10.6		5.0	7/27/2009	TR/	EPA TO15
Tetrachloroethene	<2.5	2.5	<17.0	17.0		5.0	7/27/2009	TR/	EPA TO15
Tetrahydrofuran	<10	10	<29.5	29.5		5.0	7/27/2009	TR/	EPA TO15
Toluene	**14**	**2.5**	**53**	**9.42**		**5.0**	**7/27/2009**	**TR/**	**EPA TO15**
trans-1,2-Dichloroethene	<2.5	2.5	<9.91	9.91		5.0	7/27/2009	TR/	EPA TO15
trans-1,3-Dichloropropene	<2.5	2.5	<11.3	11.3		5.0	7/27/2009	TR/	EPA TO15
Trichloroethene	<2.5	2.5	<13.4	13.4		5.0	7/27/2009	TR/	EPA TO15
Trichlorofluoromethane	<2.5	2.5	<14.0	14.0		5.0	7/27/2009	TR/	EPA TO15
Vinyl Acetate	<2.5	2.5	<8.80	8.80		5.0	7/27/2009	TR/	EPA TO15
Vinyl chloride	<2.5	2.5	<6.39	6.39		5.0	7/27/2009	TR/	EPA TO15
Surrogate: 4-Bromofluorobenzene	*83 %*		*Limit 70-130*						

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TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Gail Lage

Work Order: PSG0612
Project: N_ExxonMobil Buffalo
Project Number: Former Exxon Buffalo Terminal

Received: 07/10/09
Reported: 08/05/09 17:06

Volatile Organic Compounds by EPA TO-15

Sample ID: PSG0612-02 (NSG0861-02 (SV-14)) — **Sampled: 07/07/09 17:19**

	ppbv		ug/m3		Data		Date		
	Result	PQL	Result	PQL	Qualifiers	Dilution	Analyzed	Analyst	Method
1,1,1-Trichloroethane	<2.5	2.5	<13.6	13.6		5.0	7/29/2009	TR	EPA TO15
1,1,2,2-Tetrachloroethane	<2.5	2.5	<17.2	17.2		5.0	7/29/2009	TR	EPA TO15
1,1,2-Trichloroethane	<2.5	2.5	<13.6	13.6		5.0	7/29/2009	TR	EPA TO15
1,1-Dichloroethane	<2.5	2.5	<10.1	10.1		5.0	7/29/2009	TR	EPA TO15
1,1-Dichloroethene	<2.5	2.5	<9.91	9.91		5.0	7/29/2009	TR	EPA TO15
1,2,4-Trichlorobenzene	<9.9	9.9	<73.5	73.5		5.0	7/29/2009	TR	EPA TO15
1,2,4-Trimethylbenzene	**1.5**	**2.5**	**7.4**	**12.3**	**J**	**5.0**	**7/29/2009**	**TR**	**EPA TO15**
1,2-Dibromoethane (EDB)	<2.5	2.5	<19.2	19.2		5.0	7/29/2009	TR	EPA TO15
1,2-Dichlorobenzene	<2.5	2.5	<15.0	15.0		5.0	7/29/2009	TR	EPA TO15
1,2-Dichloroethane	<2.5	2.5	<10.1	10.1		5.0	7/29/2009	TR	EPA TO15
1,2-Dichloropropane	<2.5	2.5	<11.6	11.6		5.0	7/29/2009	TR	EPA TO15
1,3,5-Trimethylbenzene	<2.5	2.5	<12.3	12.3		5.0	7/29/2009	TR	EPA TO15
1,3-Butadiene	<2.5	2.5	<5.52	5.52		5.0	7/29/2009	TR	EPA TO15
1,3-Dichlorobenzene	<2.5	2.5	<15.0	15.0		5.0	7/29/2009	TR	EPA TO15
1,4-Dichlorobenzene	<2.5	2.5	<15.0	15.0		5.0	7/29/2009	TR	EPA TO15
2,2,4-Trimethylpentane	<2.5	2.5	<11.7	11.7		5.0	7/29/2009	TR	EPA TO15
2-Butanone (MEK)	<5.0	5.0	<14.7	14.7		5.0	7/29/2009	TR	EPA TO15
2-Hexanone	**1.9**	**5.0**	**7.8**	**20.5**	**J**	**5.0**	**7/29/2009**	**TR**	**EPA TO15**
2-Propanol	<9.9	9.9	<24.3	24.3		5.0	7/29/2009	TR	EPA TO15
4-Ethyltoluene	<2.5	2.5	<12.3	12.3		5.0	7/29/2009	TR	EPA TO15
4-Methyl-2-pentanone (MIBK)	**3.5**	**5.0**	**14**	**20.5**	**J**	**5.0**	**7/29/2009**	**TR**	**EPA TO15**
Acetone	<25	25	<59.4	59.4		5.0	7/29/2009	TR	EPA TO15
Allyl Chloride	<2.5	2.5	<7.82	7.82		5.0	7/29/2009	TR	EPA TO15
Benzene	**3.9**	**2.5**	**13**	**7.99**		**5.0**	**7/29/2009**	**TR**	**EPA TO15**
Benzyl Chloride	<9.9	9.9	<51.3	51.3		5.0	7/29/2009	TR	EPA TO15
Bromodichloromethane	<2.5	2.5	<16.8	16.8		5.0	7/29/2009	TR	EPA TO15
Bromoethene(Vinyl Bromide)	<2.5	2.5	<10.9	10.9		5.0	7/29/2009	TR	EPA TO15
Bromoform	<2.5	2.5	<25.8	25.8		5.0	7/29/2009	TR	EPA TO15
Bromomethane	<2.5	2.5	<9.71	9.71		5.0	7/29/2009	TR	EPA TO15
Carbon disulfide	**15**	**2.5**	**47**	**7.78**		**5.0**	**7/29/2009**	**TR**	**EPA TO15**
Carbon tetrachloride	<2.5	2.5	<15.7	15.7		5.0	7/29/2009	TR	EPA TO15
Chlorobenzene	<2.5	2.5	<11.5	11.5		5.0	7/29/2009	TR	EPA TO15
Chloroethane	<2.5	2.5	<6.60	6.60		5.0	7/29/2009	TR	EPA TO15
Chloroform	**3.5**	**2.5**	**17**	**12.2**		**5.0**	**7/29/2009**	**TR**	**EPA TO15**
Chloromethane	**1.7**	**2.5**	**3.5**	**5.16**	**J**	**5.0**	**7/29/2009**	**TR**	**EPA TO15**
cis-1,2-Dichloroethene	<2.5	2.5	<9.91	9.91		5.0	7/29/2009	TR	EPA TO15
cis-1,3-Dichloropropene	<2.5	2.5	<11.3	11.3		5.0	7/29/2009	TR	EPA TO15
Cyclohexane	**20**	**2.5**	**69**	**8.61**		**5.0**	**7/29/2009**	**TR**	**EPA TO15**
Dibromochloromethane	<2.5	2.5	<21.3	21.3		5.0	7/29/2009	TR	EPA TO15
Dichlorodifluoromethane	<2.5	2.5	<12.4	12.4		5.0	7/29/2009	TR	EPA TO15
Dichlorotetrafluoroethane(F-114)	<2.5	2.5	<17.5	17.5		5.0	7/29/2009	TR	EPA TO15
Ethyl Acetate	<2.5	2.5	<9.01	9.01		5.0	7/29/2009	TR	EPA TO15
Ethylbenzene	**2.0**	**2.5**	**8.7**	**10.9**	**J**	**5.0**	**7/29/2009**	**TR**	**EPA TO15**
Freon 113	<2.5	2.5	<19.2	19.2		5.0	7/29/2009	TR	EPA TO15
Heptane	**7.6**	**2.5**	**31**	**10.2**		**5.0**	**7/29/2009**	**TR**	**EPA TO15**

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2960 Foster Creighton Drive
Nashville, TN 37204
Gail Lage

Work Order: PSG0612
Project: N_ExxonMobil Buffalo
Project Number: Former Exxon Buffalo Terminal

Received: 07/10/09
Reported: 08/05/09 17:06

Volatile Organic Compounds by EPA TO-15

Sample ID: PSG0612-02 (NSG0861-02 (SV-14)) - cont. **Sampled: 07/07/09 17:19**

	ppbv Result	ppbv PQL	ug/m3 Result	ug/m3 PQL	Data Qualifiers	Dilution	Date Analyzed	Analyst	Method
Hexachlorobutadiene	<5.0	5.0	<53.3	53.3		5.0	7/29/2009	TR	EPA TO15
Hexane	**10**	**2.5**	**35**	**8.81**		**5.0**	**7/29/2009**	**TR**	**EPA TO15**
m,p-Xylenes	**6.8**	**5.0**	**30**	**21.7**		**5.0**	**7/29/2009**	**TR**	**EPA TO15**
Methylene Chloride	<2.5	2.5	<8.68	8.68		5.0	7/29/2009	TR	EPA TO15
Methyl-tert-butyl Ether (MTBE)	<5.0	5.0	<18.0	18.0		5.0	7/29/2009	TR	EPA TO15
o-Xylene	**3.9**	**2.5**	**17**	**10.9**		**5.0**	**7/29/2009**	**TR**	**EPA TO15**
Propene	**28**	**2.5**	**48**	**4.30**		**5.0**	**7/29/2009**	**TR**	**EPA TO15**
Styrene	<2.5	2.5	<10.6	10.6		5.0	7/29/2009	TR	EPA TO15
Tetrachloroethene	<2.5	2.5	<17.0	17.0		5.0	7/29/2009	TR	EPA TO15
Tetrahydrofuran	<9.9	9.9	<29.2	29.2		5.0	7/29/2009	TR	EPA TO15
Toluene	**10**	**2.5**	**38**	**9.42**		**5.0**	**7/29/2009**	**TR**	**EPA TO15**
trans-1,2-Dichloroethene	<2.5	2.5	<9.91	9.91		5.0	7/29/2009	TR	EPA TO15
trans-1,3-Dichloropropene	<2.5	2.5	<11.3	11.3		5.0	7/29/2009	TR	EPA TO15
Trichloroethene	<2.5	2.5	<13.4	13.4		5.0	7/29/2009	TR	EPA TO15
Trichlorofluoromethane	<2.5	2.5	<14.0	14.0		5.0	7/29/2009	TR	EPA TO15
Vinyl Acetate	<2.5	2.5	<8.80	8.80		5.0	7/29/2009	TR	EPA TO15
Vinyl chloride	<2.5	2.5	<6.39	6.39		5.0	7/29/2009	TR	EPA TO15
Surrogate: 4-Bromofluorobenzene	*93 %*		*Limit 70-130*						

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Work Order: PSG0612
Project: N_ExxonMobil Buffalo
Project Number: Former Exxon Buffalo Terminal

Received: 07/10/09
Reported: 08/05/09 17:06

Volatile Organic Compounds by EPA TO-15

Sample ID: PSG0612-03 (NSG0861-03 (SV-15)) **Sampled: 07/07/09 17:24**

	ppbv		ug/m3		Data		Date		
	Result	PQL	Result	PQL	Qualifiers	Dilution	Analyzed	Analyst	Method
1,1,1-Trichloroethane	<0.50	0.50	<2.73	2.73		1.0	7/30/2009	TR	EPA TO15
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.43	3.43		1.0	7/30/2009	TR	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.73	2.73		1.0	7/30/2009	TR	EPA TO15
1,1-Dichloroethane	<0.50	0.50	<2.02	2.02		1.0	7/30/2009	TR	EPA TO15
1,1-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	7/30/2009	TR	EPA TO15
1,2,4-Trichlorobenzene	<2.0	2.0	<14.8	14.8		1.0	7/30/2009	TR	EPA TO15
1,2,4-Trimethylbenzene	**0.81**	**0.50**	**4.0**	**2.46**		**1.0**	**7/30/2009**	**TR**	**EPA TO15**
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.84	3.84		1.0	7/30/2009	TR	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.01	3.01		1.0	7/30/2009	TR	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.02	2.02		1.0	7/30/2009	TR	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.31	2.31		1.0	7/30/2009	TR	EPA TO15
1,3,5-Trimethylbenzene	**0.20**	**0.50**	**0.98**	**2.46**	**J**	**1.0**	**7/30/2009**	**TR**	**EPA TO15**
1,3-Butadiene	<0.50	0.50	<1.10	1.10		1.0	7/30/2009	TR	EPA TO15
1,3-Dichlorobenzene	<0.50	0.50	<3.01	3.01		1.0	7/30/2009	TR	EPA TO15
1,4-Dichlorobenzene	**0.33**	**0.50**	**2.0**	**3.01**	**J**	**1.0**	**7/30/2009**	**TR**	**EPA TO15**
2,2,4-Trimethylpentane	<0.50	0.50	<2.34	2.34		1.0	7/30/2009	TR	EPA TO15
2-Butanone (MEK)	**3.0**	**1.0**	**8.9**	**2.95**		**1.0**	**7/30/2009**	**TR**	**EPA TO15**
2-Hexanone	**0.15**	**1.0**	**0.61**	**4.10**	**J**	**1.0**	**7/30/2009**	**TR**	**EPA TO15**
2-Propanol	<2.0	2.0	<4.92	4.92		1.0	7/30/2009	TR	EPA TO15
4-Ethyltoluene	**0.26**	**0.50**	**1.3**	**2.46**	**J**	**1.0**	**7/30/2009**	**TR**	**EPA TO15**
4-Methyl-2-pentanone (MIBK)	<1.0	1.0	<4.10	4.10		1.0	7/30/2009	TR	EPA TO15
Acetone	**24**	**5.0**	**57**	**11.9**		**1.0**	**7/30/2009**	**TR**	**EPA TO15**
Allyl Chloride	<0.50	0.50	<1.56	1.56		1.0	7/30/2009	TR	EPA TO15
Benzene	**0.34**	**0.50**	**1.1**	**1.60**	**J**	**1.0**	**7/30/2009**	**TR**	**EPA TO15**
Benzyl Chloride	<2.0	2.0	<10.4	10.4		1.0	7/30/2009	TR	EPA TO15
Bromodichloromethane	<0.50	0.50	<3.35	3.35		1.0	7/30/2009	TR	EPA TO15
Bromoethene(Vinyl Bromide)	<0.50	0.50	<2.19	2.19		1.0	7/30/2009	TR	EPA TO15
Bromoform	<0.50	0.50	<5.17	5.17		1.0	7/30/2009	TR	EPA TO15
Bromomethane	<0.50	0.50	<1.94	1.94		1.0	7/30/2009	TR	EPA TO15
Carbon disulfide	**1.0**	**0.50**	**3.1**	**1.56**		**1.0**	**7/30/2009**	**TR**	**EPA TO15**
Carbon tetrachloride	<0.50	0.50	<3.15	3.15		1.0	7/30/2009	TR	EPA TO15
Chlorobenzene	<0.50	0.50	<2.30	2.30		1.0	7/30/2009	TR	EPA TO15
Chloroethane	<0.50	0.50	<1.32	1.32		1.0	7/30/2009	TR	EPA TO15
Chloroform	**2.6**	**0.50**	**13**	**2.44**		**1.0**	**7/30/2009**	**TR**	**EPA TO15**
Chloromethane	**0.46**	**0.50**	**0.95**	**1.03**	**J**	**1.0**	**7/30/2009**	**TR**	**EPA TO15**
cis-1,2-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	7/30/2009	TR	EPA TO15
cis-1,3-Dichloropropene	<0.50	0.50	<2.27	2.27		1.0	7/30/2009	TR	EPA TO15
Cyclohexane	<0.50	0.50	<1.72	1.72		1.0	7/30/2009	TR	EPA TO15
Dibromochloromethane	<0.50	0.50	<4.26	4.26		1.0	7/30/2009	TR	EPA TO15
Dichlorodifluoromethane	<0.50	0.50	<2.47	2.47		1.0	7/30/2009	TR	EPA TO15
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.50	3.50		1.0	7/30/2009	TR	EPA TO15
Ethyl Acetate	<0.50	0.50	<1.80	1.80		1.0	7/30/2009	TR	EPA TO15
Ethylbenzene	**0.95**	**0.50**	**4.1**	**2.17**		**1.0**	**7/30/2009**	**TR**	**EPA TO15**
Freon 113	<0.50	0.50	<3.83	3.83		1.0	7/30/2009	TR	EPA TO15
Heptane	<0.50	0.50	<2.05	2.05		1.0	7/30/2009	TR	EPA TO15

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Work Order: PSG0612
Project: N_ExxonMobil Buffalo
Project Number: Former Exxon Buffalo Terminal

Received: 07/10/09
Reported: 08/05/09 17:06

Volatile Organic Compounds by EPA TO-15

Sample ID: PSG0612-03 (NSG0861-03 (SV-15)) - cont. **Sampled: 07/07/09 17:24**

	ppbv Result	ppbv PQL	ug/m3 Result	ug/m3 PQL	Data Qualifiers	Dilution	Date Analyzed	Analyst	Method
Hexachlorobutadiene	<1.0	1.0	<10.7	10.7		1.0	7/30/2009	TR	EPA TO15
Hexane	**0.36**	**0.50**	**1.3**	**1.76**	**J**	**1.0**	**7/30/2009**	**TR**	**EPA TO15**
m,p-Xylenes	**3.5**	**1.0**	**15**	**4.34**		**1.0**	**7/30/2009**	**TR**	**EPA TO15**
Methylene Chloride	<0.50	0.50	<1.74	1.74		1.0	7/30/2009	TR	EPA TO15
Methyl-tert-butyl Ether (MTBE)	**0.17**	**1.0**	**0.61**	**3.61**	**J**	**1.0**	**7/30/2009**	**TR**	**EPA TO15**
o-Xylene	**1.2**	**0.50**	**5.2**	**2.17**		**1.0**	**7/30/2009**	**TR**	**EPA TO15**
Propene	<0.50	0.50	<0.861	0.861		1.0	7/30/2009	TR	EPA TO15
Styrene	**0.24**	**0.50**	**1.0**	**2.13**	**J**	**1.0**	**7/30/2009**	**TR**	**EPA TO15**
Tetrachloroethene	<0.50	0.50	<3.39	3.39		1.0	7/30/2009	TR	EPA TO15
Tetrahydrofuran	<2.0	2.0	<5.90	5.90		1.0	7/30/2009	TR	EPA TO15
Toluene	**3.1**	**0.50**	**12**	**1.88**		**1.0**	**7/30/2009**	**TR**	**EPA TO15**
trans-1,2-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	7/30/2009	TR	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.27	2.27		1.0	7/30/2009	TR	EPA TO15
Trichloroethene	<0.50	0.50	<2.69	2.69		1.0	7/30/2009	TR	EPA TO15
Trichlorofluoromethane	**0.59**	**0.50**	**3.3**	**2.81**		**1.0**	**7/30/2009**	**TR**	**EPA TO15**
Vinyl Acetate	<0.50	0.50	<1.76	1.76		1.0	7/30/2009	TR	EPA TO15
Vinyl chloride	<0.50	0.50	<1.28	1.28		1.0	7/30/2009	TR	EPA TO15
Surrogate: 4-Bromofluorobenzene	*94 %*		*Limit 70-130*						

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Work Order: PSG0612
Project: N_ExxonMobil Buffalo
Project Number: Former Exxon Buffalo Terminal

Received: 07/10/09
Reported: 08/05/09 17:06

Volatile Organic Compounds by EPA TO-15

Sample ID: PSG0612-04 (NSG0861-04 (SV-16)) **Sampled: 07/07/09 16:40**

	ppbv		ug/m3		Data		Date		
	Result	PQL	Result	PQL	Qualifiers	Dilution	Analyzed	Analyst	Method
1,1,1-Trichloroethane	<2.5	2.5	<13.6	13.6		5.0	7/30/2009	TR	EPA TO15
1,1,2,2-Tetrachloroethane	<2.5	2.5	<17.2	17.2		5.0	7/30/2009	TR	EPA TO15
1,1,2-Trichloroethane	<2.5	2.5	<13.6	13.6		5.0	7/30/2009	TR	EPA TO15
1,1-Dichloroethane	<2.5	2.5	<10.1	10.1		5.0	7/30/2009	TR	EPA TO15
1,1-Dichloroethene	<2.5	2.5	<9.91	9.91		5.0	7/30/2009	TR	EPA TO15
1,2,4-Trichlorobenzene	<10	10	<74.2	74.2		5.0	7/30/2009	TR	EPA TO15
1,2,4-Trimethylbenzene	**1.1**	**2.5**	**5.4**	**12.3**	**J**	**5.0**	**7/30/2009**	**TR**	**EPA TO15**
1,2-Dibromoethane (EDB)	<2.5	2.5	<19.2	19.2		5.0	7/30/2009	TR	EPA TO15
1,2-Dichlorobenzene	<2.5	2.5	<15.0	15.0		5.0	7/30/2009	TR	EPA TO15
1,2-Dichloroethane	<2.5	2.5	<10.1	10.1		5.0	7/30/2009	TR	EPA TO15
1,2-Dichloropropane	<2.5	2.5	<11.6	11.6		5.0	7/30/2009	TR	EPA TO15
1,3,5-Trimethylbenzene	<2.5	2.5	<12.3	12.3		5.0	7/30/2009	TR	EPA TO15
1,3-Butadiene	<2.5	2.5	<5.52	5.52		5.0	7/30/2009	TR	EPA TO15
1,3-Dichlorobenzene	<2.5	2.5	<15.0	15.0		5.0	7/30/2009	TR	EPA TO15
1,4-Dichlorobenzene	<2.5	2.5	<15.0	15.0		5.0	7/30/2009	TR	EPA TO15
2,2,4-Trimethylpentane	<2.5	2.5	<11.7	11.7		5.0	7/30/2009	TR	EPA TO15
2-Butanone (MEK)	**3.5**	**5.0**	**10**	**14.7**	**J**	**5.0**	**7/30/2009**	**TR**	**EPA TO15**
2-Hexanone	<5.0	5.0	<20.5	20.5		5.0	7/30/2009	TR	EPA TO15
2-Propanol	<10	10	<24.6	24.6		5.0	7/30/2009	TR	EPA TO15
4-Ethyltoluene	<2.5	2.5	<12.3	12.3		5.0	7/30/2009	TR	EPA TO15
4-Methyl-2-pentanone (MIBK)	**2.2**	**5.0**	**9.0**	**20.5**	**J**	**5.0**	**7/30/2009**	**TR**	**EPA TO15**
Acetone	**22**	**25**	**52**	**59.4**	**J**	**5.0**	**7/30/2009**	**TR**	**EPA TO15**
Allyl Chloride	<2.5	2.5	<7.82	7.82		5.0	7/30/2009	TR	EPA TO15
Benzene	**2.5**	**2.5**	**8.0**	**7.99**		**5.0**	**7/30/2009**	**TR**	**EPA TO15**
Benzyl Chloride	<10	10	<51.8	51.8		5.0	7/30/2009	TR	EPA TO15
Bromodichloromethane	<2.5	2.5	<16.8	16.8		5.0	7/30/2009	TR	EPA TO15
Bromoethene(Vinyl Bromide)	<2.5	2.5	<10.9	10.9		5.0	7/30/2009	TR	EPA TO15
Bromoform	<2.5	2.5	<25.8	25.8		5.0	7/30/2009	TR	EPA TO15
Bromomethane	<2.5	2.5	<9.71	9.71		5.0	7/30/2009	TR	EPA TO15
Carbon disulfide	**8.1**	**2.5**	**25**	**7.78**		**5.0**	**7/30/2009**	**TR**	**EPA TO15**
Carbon tetrachloride	<2.5	2.5	<15.7	15.7		5.0	7/30/2009	TR	EPA TO15
Chlorobenzene	<2.5	2.5	<11.5	11.5		5.0	7/30/2009	TR	EPA TO15
Chloroethane	<2.5	2.5	<6.60	6.60		5.0	7/30/2009	TR	EPA TO15
Chloroform	<2.5	2.5	<12.2	12.2		5.0	7/30/2009	TR	EPA TO15
Chloromethane	<2.5	2.5	<5.16	5.16		5.0	7/30/2009	TR	EPA TO15
cis-1,2-Dichloroethene	<2.5	2.5	<9.91	9.91		5.0	7/30/2009	TR	EPA TO15
cis-1,3-Dichloropropene	<2.5	2.5	<11.3	11.3		5.0	7/30/2009	TR	EPA TO15
Cyclohexane	**2.2**	**2.5**	**7.6**	**8.61**	**J**	**5.0**	**7/30/2009**	**TR**	**EPA TO15**
Dibromochloromethane	<2.5	2.5	<21.3	21.3		5.0	7/30/2009	TR	EPA TO15
Dichlorodifluoromethane	<2.5	2.5	<12.4	12.4		5.0	7/30/2009	TR	EPA TO15
Dichlorotetrafluoroethane(F-114)	<2.5	2.5	<17.5	17.5		5.0	7/30/2009	TR	EPA TO15
Ethyl Acetate	<2.5	2.5	<9.01	9.01		5.0	7/30/2009	TR	EPA TO15
Ethylbenzene	**1.4**	**2.5**	**6.1**	**10.9**	**J**	**5.0**	**7/30/2009**	**TR**	**EPA TO15**
Freon 113	<2.5	2.5	<19.2	19.2		5.0	7/30/2009	TR	EPA TO15
Heptane	<2.5	2.5	<10.2	10.2		5.0	7/30/2009	TR	EPA TO15

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Nashville, TN 37204
Gail Lage

Work Order: PSG0612
Project: N_ExxonMobil Buffalo
Project Number: Former Exxon Buffalo Terminal

Received: 07/10/09
Reported: 08/05/09 17:06

Volatile Organic Compounds by EPA TO-15

Sample ID: PSG0612-04 (NSG0861-04 (SV-16)) - cont. **Sampled: 07/07/09 16:40**

	ppbv Result	PQL	ug/m3 Result	PQL	Data Qualifiers	Dilution	Date Analyzed	Analyst	Method
Hexachlorobutadiene	<5.0	5.0	<53.3	53.3		5.0	7/30/2009	TR	EPA TO15
Hexane	**3.2**	**2.5**	**11**	**8.81**		**5.0**	**7/30/2009**	**TR**	**EPA TO15**
m,p-Xylenes	**4.1**	**5.0**	**18**	**21.7**	**J**	**5.0**	**7/30/2009**	**TR**	**EPA TO15**
Methylene Chloride	<2.5	2.5	<8.68	8.68		5.0	7/30/2009	TR	EPA TO15
Methyl-tert-butyl Ether (MTBE)	<5.0	5.0	<18.0	18.0		5.0	7/30/2009	TR	EPA TO15
o-Xylene	**2.0**	**2.5**	**8.7**	**10.9**	**J**	**5.0**	**7/30/2009**	**TR**	**EPA TO15**
Propene	**95**	**2.5**	**160**	**4.30**		**5.0**	**7/30/2009**	**TR**	**EPA TO15**
Styrene	<2.5	2.5	<10.6	10.6		5.0	7/30/2009	TR	EPA TO15
Tetrachloroethene	<2.5	2.5	<17.0	17.0		5.0	7/30/2009	TR	EPA TO15
Tetrahydrofuran	<10	10	<29.5	29.5		5.0	7/30/2009	TR	EPA TO15
Toluene	**5.7**	**2.5**	**22**	**9.42**		**5.0**	**7/30/2009**	**TR**	**EPA TO15**
trans-1,2-Dichloroethene	<2.5	2.5	<9.91	9.91		5.0	7/30/2009	TR	EPA TO15
trans-1,3-Dichloropropene	<2.5	2.5	<11.3	11.3		5.0	7/30/2009	TR	EPA TO15
Trichloroethene	<2.5	2.5	<13.4	13.4		5.0	7/30/2009	TR	EPA TO15
Trichlorofluoromethane	<2.5	2.5	<14.0	14.0		5.0	7/30/2009	TR	EPA TO15
Vinyl Acetate	**1.7**	**2.5**	**6.0**	**8.80**	**J**	**5.0**	**7/30/2009**	**TR**	**EPA TO15**
Vinyl chloride	<2.5	2.5	<6.39	6.39		5.0	7/30/2009	TR	EPA TO15
Surrogate: 4-Bromofluorobenzene	*100 %*		*Limit 70-130*						

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Work Order: PSG0612
Project: N_ExxonMobil Buffalo
Project Number: Former Exxon Buffalo Terminal

Received: 07/10/09
Reported: 08/05/09 17:06

	ppbv		ug/m3		Data		Date		
	Result	PQL	Result	PQL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PSG0612-05 (NSG0861-05 (SV-17))								**Sampled: 07/07/09 17:33**	
Acetone	**45**	**25**	**110**	**59.4**		**5.0**	**7/30/2009**	**TR**	**EPA TO15**
Surrogate: 4-Bromofluorobenzene	*86 %*		*Limit 70-130*						
Sample ID: PSG0612-05RE1 (NSG0861-05 (SV-17))								**Sampled: 07/07/09 17:33**	
1,1,1-Trichloroethane	<0.50	0.50	<2.73	2.73		1.0	7/30/2009	TR	EPA TO15
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.43	3.43		1.0	7/30/2009	TR	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.73	2.73		1.0	7/30/2009	TR	EPA TO15
1,1-Dichloroethane	<0.50	0.50	<2.02	2.02		1.0	7/30/2009	TR	EPA TO15
1,1-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	7/30/2009	TR	EPA TO15
1,2,4-Trichlorobenzene	<2.0	2.0	<14.8	14.8		1.0	7/30/2009	TR	EPA TO15
1,2,4-Trimethylbenzene	**3.5**	**0.50**	**17**	**2.46**		**1.0**	**7/30/2009**	**TR**	**EPA TO15**
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.84	3.84		1.0	7/30/2009	TR	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.01	3.01		1.0	7/30/2009	TR	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.02	2.02		1.0	7/30/2009	TR	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.31	2.31		1.0	7/30/2009	TR	EPA TO15
1,3,5-Trimethylbenzene	**0.75**	**0.50**	**3.7**	**2.46**		**1.0**	**7/30/2009**	**TR**	**EPA TO15**
1,3-Butadiene	<0.50	0.50	<1.10	1.10		1.0	7/30/2009	TR	EPA TO15
1,3-Dichlorobenzene	<0.50	0.50	<3.01	3.01		1.0	7/30/2009	TR	EPA TO15
1,4-Dichlorobenzene	**0.50**	**0.50**	**3.0**	**3.01**		**1.0**	**7/30/2009**	**TR**	**EPA TO15**
2,2,4-Trimethylpentane	<0.50	0.50	<2.34	2.34	C, L	1.0	7/30/2009	TR	EPA TO15
2-Butanone (MEK)	**12**	**1.0**	**35**	**2.95**		**1.0**	**7/30/2009**	**TR**	**EPA TO15**
2-Propanol	<2.0	2.0	<4.92	4.92		1.0	7/30/2009	TR	EPA TO15
4-Ethyltoluene	**1.2**	**0.50**	**5.9**	**2.46**		**1.0**	**7/30/2009**	**TR**	**EPA TO15**
Allyl Chloride	<0.50	0.50	<1.56	1.56		1.0	7/30/2009	TR	EPA TO15
Benzene	**1.1**	**0.50**	**3.5**	**1.60**		**1.0**	**7/30/2009**	**TR**	**EPA TO15**
Benzyl Chloride	<2.0	2.0	<10.4	10.4		1.0	7/30/2009	TR	EPA TO15
Bromodichloromethane	**0.41**	**0.50**	**2.8**	**3.35**	**J**	**1.0**	**7/30/2009**	**TR**	**EPA TO15**
Bromoethene(Vinyl Bromide)	<0.50	0.50	<2.19	2.19		1.0	7/30/2009	TR	EPA TO15
Bromoform	<0.50	0.50	<5.17	5.17		1.0	7/30/2009	TR	EPA TO15
Bromomethane	<0.50	0.50	<1.94	1.94		1.0	7/30/2009	TR	EPA TO15
Carbon disulfide	**4.0**	**0.50**	**13**	**1.56**		**1.0**	**7/30/2009**	**TR**	**EPA TO15**
Carbon tetrachloride	<0.50	0.50	<3.15	3.15		1.0	7/30/2009	TR	EPA TO15
Chlorobenzene	<0.50	0.50	<2.30	2.30		1.0	7/30/2009	TR	EPA TO15
Chloroethane	<0.50	0.50	<1.32	1.32		1.0	7/30/2009	TR	EPA TO15
Chloroform	**1.7**	**0.50**	**8.3**	**2.44**		**1.0**	**7/30/2009**	**TR**	**EPA TO15**
Chloromethane	<0.50	0.50	<1.03	1.03		1.0	7/30/2009	TR	EPA TO15
cis-1,2-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	7/30/2009	TR	EPA TO15
cis-1,3-Dichloropropene	<0.50	0.50	<2.27	2.27		1.0	7/30/2009	TR	EPA TO15
Cyclohexane	<0.50	0.50	<1.72	1.72		1.0	7/30/2009	TR	EPA TO15
Dibromochloromethane	<0.50	0.50	<4.26	4.26		1.0	7/30/2009	TR	EPA TO15
Dichlorodifluoromethane	<0.50	0.50	<2.47	2.47		1.0	7/30/2009	TR	EPA TO15
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.50	3.50		1.0	7/30/2009	TR	EPA TO15
Ethyl Acetate	**0.38**	**0.50**	**1.4**	**1.80**	**J**	**1.0**	**7/30/2009**	**TR**	**EPA TO15**
Ethylbenzene	**1.7**	**0.50**	**7.4**	**2.17**		**1.0**	**7/30/2009**	**TR**	**EPA TO15**
Freon 113	<0.50	0.50	<3.83	3.83		1.0	7/30/2009	TR	EPA TO15

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Work Order: PSG0612
Project: N_ExxonMobil Buffalo
Project Number: Former Exxon Buffalo Terminal

Received: 07/10/09
Reported: 08/05/09 17:06

	ppbv		ug/m3		Data		Date		
	Result	PQL	Result	PQL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PSG0612-05RE1 (NSG0861-05 (SV-17)) - cont.								**Sampled: 07/07/09 17:33**	
Heptane	**0.95**	**0.50**	**3.9**	**2.05**		**1.0**	**7/30/2009**	**TR**	**EPA TO15**
Hexachlorobutadiene	<1.0	1.0	<10.7	10.7		1.0	7/30/2009	TR	EPA TO15
Hexane	**1.6**	**0.50**	**5.6**	**1.76**		**1.0**	**7/30/2009**	**TR**	**EPA TO15**
m,p-Xylenes	**6.4**	**1.0**	**28**	**4.34**		**1.0**	**7/30/2009**	**TR**	**EPA TO15**
Methylene Chloride	<0.50	0.50	<1.74	1.74		1.0	7/30/2009	TR	EPA TO15
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0	<3.61	3.61		1.0	7/30/2009	TR	EPA TO15
o-Xylene	**2.6**	**0.50**	**11**	**2.17**		**1.0**	**7/30/2009**	**TR**	**EPA TO15**
Propene	**0.57**	**0.50**	**0.98**	**0.861**		**1.0**	**7/30/2009**	**TR**	**EPA TO15**
Styrene	**0.34**	**0.50**	**1.5**	**2.13**	**J**	**1.0**	**7/30/2009**	**TR**	**EPA TO15**
Tetrachloroethene	**5.1**	**0.50**	**35**	**3.39**		**1.0**	**7/30/2009**	**TR**	**EPA TO15**
Tetrahydrofuran	**2.2**	**2.0**	**6.5**	**5.90**		**1.0**	**7/30/2009**	**TR**	**EPA TO15**
Toluene	**7.0**	**0.50**	**26**	**1.88**		**1.0**	**7/30/2009**	**TR**	**EPA TO15**
trans-1,2-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	7/30/2009	TR	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.27	2.27		1.0	7/30/2009	TR	EPA TO15
Trichloroethene	<0.50	0.50	<2.69	2.69		1.0	7/30/2009	TR	EPA TO15
Trichlorofluoromethane	**0.70**	**0.50**	**3.9**	**2.81**		**1.0**	**7/30/2009**	**TR**	**EPA TO15**
Vinyl Acetate	**0.19**	**0.50**	**0.67**	**1.76**	**J**	**1.0**	**7/30/2009**	**TR**	**EPA TO15**
Vinyl chloride	<0.50	0.50	<1.28	1.28		1.0	7/30/2009	TR	EPA TO15
Surrogate: 4-Bromofluorobenzene	*99 %*		*Limit 70-130*						
Sample ID: PSG0612-05RE2 (NSG0861-05 (SV-17))								**Sampled: 07/07/09 17:33**	
2-Hexanone	**1.0**	**1.0**	**4.1**	**4.10**		**1.0**	**8/3/2009**	**TR**	**EPA TO15**
4-Methyl-2-pentanone (MIBK)	**0.78**	**1.0**	**3.2**	**4.10**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Surrogate: 4-Bromofluorobenzene	*88 %*		*Limit 70-130*						

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Work Order: PSG0612
Project: N_ExxonMobil Buffalo
Project Number: Former Exxon Buffalo Terminal

Received: 07/10/09
Reported: 08/05/09 17:06

Volatile Organic Compounds by EPA TO-15

Sample ID: PSG0612-06 (NSG0861-06 (SV-18)) — **Sampled: 07/07/09 17:36**

	ppbv		ug/m3		Data		Date		
	Result	PQL	Result	PQL	Qualifiers	Dilution	Analyzed	Analyst	Method
1,1,1-Trichloroethane	**11**	**0.50**	**60**	**2.73**		**1.0**	**8/4/2009**	**TR**	**EPA TO15**
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.43	3.43		1.0	8/4/2009	TR	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.73	2.73		1.0	8/4/2009	TR	EPA TO15
1,1-Dichloroethane	**0.32**	**0.50**	**1.3**	**2.02**	**J**	**1.0**	**8/4/2009**	**TR**	**EPA TO15**
1,1-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	8/4/2009	TR	EPA TO15
1,2,4-Trichlorobenzene	<2.0	2.0	<14.8	14.8		1.0	8/4/2009	TR	EPA TO15
1,2,4-Trimethylbenzene	**1.7**	**0.50**	**8.4**	**2.46**		**1.0**	**8/4/2009**	**TR**	**EPA TO15**
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.84	3.84		1.0	8/4/2009	TR	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.01	3.01		1.0	8/4/2009	TR	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.02	2.02		1.0	8/4/2009	TR	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.31	2.31		1.0	8/4/2009	TR	EPA TO15
1,3,5-Trimethylbenzene	**0.35**	**0.50**	**1.7**	**2.46**	**J**	**1.0**	**8/4/2009**	**TR**	**EPA TO15**
1,3-Butadiene	<0.50	0.50	<1.10	1.10		1.0	8/4/2009	TR	EPA TO15
1,3-Dichlorobenzene	<0.50	0.50	<3.01	3.01		1.0	8/4/2009	TR	EPA TO15
1,4-Dichlorobenzene	**0.53**	**0.50**	**3.2**	**3.01**		**1.0**	**8/4/2009**	**TR**	**EPA TO15**
2,2,4-Trimethylpentane	**0.60**	**0.50**	**2.8**	**2.34**		**1.0**	**8/4/2009**	**TR**	**EPA TO15**
2-Butanone (MEK)	**2.4**	**1.0**	**7.1**	**2.95**		**1.0**	**8/4/2009**	**TR**	**EPA TO15**
2-Hexanone	**0.88**	**1.0**	**3.6**	**4.10**	**J**	**1.0**	**8/4/2009**	**TR**	**EPA TO15**
2-Propanol	**1.1**	**2.0**	**2.7**	**4.92**	**J**	**1.0**	**8/4/2009**	**TR**	**EPA TO15**
4-Ethyltoluene	**0.69**	**0.50**	**3.4**	**2.46**		**1.0**	**8/4/2009**	**TR**	**EPA TO15**
4-Methyl-2-pentanone (MIBK)	**0.81**	**1.0**	**3.3**	**4.10**	**J**	**1.0**	**8/4/2009**	**TR**	**EPA TO15**
Acetone	**28**	**5.0**	**67**	**11.9**		**1.0**	**8/4/2009**	**TR**	**EPA TO15**
Allyl Chloride	<0.50	0.50	<1.56	1.56		1.0	8/4/2009	TR	EPA TO15
Benzene	**0.84**	**0.50**	**2.7**	**1.60**		**1.0**	**8/4/2009**	**TR**	**EPA TO15**
Benzyl Chloride	<2.0	2.0	<10.4	10.4		1.0	8/4/2009	TR	EPA TO15
Bromodichloromethane	**0.30**	**0.50**	**2.0**	**3.35**	**J**	**1.0**	**8/4/2009**	**TR**	**EPA TO15**
Bromoethene(Vinyl Bromide)	<0.50	0.50	<2.19	2.19		1.0	8/4/2009	TR	EPA TO15
Bromoform	<0.50	0.50	<5.17	5.17		1.0	8/4/2009	TR	EPA TO15
Bromomethane	<0.50	0.50	<1.94	1.94		1.0	8/4/2009	TR	EPA TO15
Carbon disulfide	**3.7**	**0.50**	**12**	**1.56**		**1.0**	**8/4/2009**	**TR**	**EPA TO15**
Carbon tetrachloride	<0.50	0.50	<3.15	3.15		1.0	8/4/2009	TR	EPA TO15
Chlorobenzene	<0.50	0.50	<2.30	2.30		1.0	8/4/2009	TR	EPA TO15
Chloroethane	<0.50	0.50	<1.32	1.32		1.0	8/4/2009	TR	EPA TO15
Chloroform	**0.66**	**0.50**	**3.2**	**2.44**		**1.0**	**8/4/2009**	**TR**	**EPA TO15**
Chloromethane	<0.50	0.50	<1.03	1.03		1.0	8/4/2009	TR	EPA TO15
cis-1,2-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	8/4/2009	TR	EPA TO15
cis-1,3-Dichloropropene	<0.50	0.50	<2.27	2.27		1.0	8/4/2009	TR	EPA TO15
Cyclohexane	**0.54**	**0.50**	**1.9**	**1.72**		**1.0**	**8/4/2009**	**TR**	**EPA TO15**
Dibromochloromethane	<0.50	0.50	<4.26	4.26		1.0	8/4/2009	TR	EPA TO15
Dichlorodifluoromethane	**0.78**	**0.50**	**3.9**	**2.47**		**1.0**	**8/4/2009**	**TR**	**EPA TO15**
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.50	3.50		1.0	8/4/2009	TR	EPA TO15
Ethyl Acetate	<0.50	0.50	<1.80	1.80		1.0	8/4/2009	TR	EPA TO15
Ethylbenzene	**0.95**	**0.50**	**4.1**	**2.17**		**1.0**	**8/4/2009**	**TR**	**EPA TO15**
Freon 113	<0.50	0.50	<3.83	3.83		1.0	8/4/2009	TR	EPA TO15
Heptane	**1.1**	**0.50**	**4.5**	**2.05**		**1.0**	**8/4/2009**	**TR**	**EPA TO15**

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4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Gail Lage

Work Order: PSG0612
Project: N_ExxonMobil Buffalo
Project Number: Former Exxon Buffalo Terminal

Received: 07/10/09
Reported: 08/05/09 17:06

Volatile Organic Compounds by EPA TO-15

Sample ID: PSG0612-06 (NSG0861-06 (SV-18)) - cont. **Sampled: 07/07/09 17:36**

	ppbv Result	ppbv PQL	ug/m3 Result	ug/m3 PQL	Data Qualifiers	Dilution	Date Analyzed	Analyst	Method
Hexachlorobutadiene	<1.0	1.0	<10.7	10.7		1.0	8/4/2009	TR	EPA TO15
Hexane	**1.1**	**0.50**	**3.9**	**1.76**		**1.0**	**8/4/2009**	**TR**	**EPA TO15**
m,p-Xylenes	**3.7**	**1.0**	**16**	**4.34**		**1.0**	**8/4/2009**	**TR**	**EPA TO15**
Methylene Chloride	**0.16**	**0.50**	**0.56**	**1.74**	**J**	**1.0**	**8/4/2009**	**TR**	**EPA TO15**
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0	<3.61	3.61		1.0	8/4/2009	TR	EPA TO15
o-Xylene	**1.5**	**0.50**	**6.5**	**2.17**		**1.0**	**8/4/2009**	**TR**	**EPA TO15**
Propene	**1.2**	**0.50**	**2.1**	**0.861**		**1.0**	**8/4/2009**	**TR**	**EPA TO15**
Styrene	**0.30**	**0.50**	**1.3**	**2.13**	**J**	**1.0**	**8/4/2009**	**TR**	**EPA TO15**
Tetrachloroethene	**23**	**0.50**	**160**	**3.39**		**1.0**	**8/4/2009**	**TR**	**EPA TO15**
Tetrahydrofuran	<2.0	2.0	<5.90	5.90		1.0	8/4/2009	TR	EPA TO15
Toluene	**4.5**	**0.50**	**17**	**1.88**		**1.0**	**8/4/2009**	**TR**	**EPA TO15**
trans-1,2-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	8/4/2009	TR	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.27	2.27		1.0	8/4/2009	TR	EPA TO15
Trichloroethene	**0.28**	**0.50**	**1.5**	**2.69**	**J**	**1.0**	**8/4/2009**	**TR**	**EPA TO15**
Trichlorofluoromethane	**0.35**	**0.50**	**2.0**	**2.81**	**J**	**1.0**	**8/4/2009**	**TR**	**EPA TO15**
Vinyl Acetate	**0.35**	**0.50**	**1.2**	**1.76**	**J**	**1.0**	**8/4/2009**	**TR**	**EPA TO15**
Vinyl chloride	**0.25**	**0.50**	**0.64**	**1.28**	**J**	**1.0**	**8/4/2009**	**TR**	**EPA TO15**
Surrogate: 4-Bromofluorobenzene	*101 %*		*Limit 70-130*						

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Reported: 08/05/09 17:06

	ppbv		ug/m3		Data		Date		
	Result	PQL	Result	PQL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PSG0612-07 (NSG0861-07 (SV-19))								**Sampled: 07/07/09 17:29**	
1,1,1-Trichloroethane	<0.50	0.50	<2.73	2.73		1.0	7/31/2009	TR	EPA TO15
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.43	3.43		1.0	7/31/2009	TR	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.73	2.73		1.0	7/31/2009	TR	EPA TO15
1,1-Dichloroethane	<0.50	0.50	<2.02	2.02		1.0	7/31/2009	TR	EPA TO15
1,1-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	7/31/2009	TR	EPA TO15
1,2,4-Trichlorobenzene	<2.0	2.0	<14.8	14.8		1.0	7/31/2009	TR	EPA TO15
1,2,4-Trimethylbenzene	**1.0**	**0.50**	**4.9**	**2.46**		**1.0**	**7/31/2009**	**TR**	**EPA TO15**
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.84	3.84		1.0	7/31/2009	TR	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.01	3.01		1.0	7/31/2009	TR	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.02	2.02		1.0	7/31/2009	TR	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.31	2.31		1.0	7/31/2009	TR	EPA TO15
1,3,5-Trimethylbenzene	**0.22**	**0.50**	**1.1**	**2.46**	**J**	**1.0**	**7/31/2009**	**TR**	**EPA TO15**
1,3-Butadiene	**0.21**	**0.50**	**0.46**	**1.10**	**J**	**1.0**	**7/31/2009**	**TR**	**EPA TO15**
1,3-Dichlorobenzene	<0.50	0.50	<3.01	3.01		1.0	7/31/2009	TR	EPA TO15
1,4-Dichlorobenzene	**0.57**	**0.50**	**3.4**	**3.01**		**1.0**	**7/31/2009**	**TR**	**EPA TO15**
2,2,4-Trimethylpentane	<0.50	0.50	<2.34	2.34	C, L	1.0	7/31/2009	TR	EPA TO15
2-Butanone (MEK)	**4.3**	**1.0**	**13**	**2.95**		**1.0**	**7/31/2009**	**TR**	**EPA TO15**
2-Hexanone	**0.29**	**1.0**	**1.2**	**4.10**	**C, L, J**	**1.0**	**7/31/2009**	**TR**	**EPA TO15**
2-Propanol	<2.0	2.0	<4.92	4.92		1.0	7/31/2009	TR	EPA TO15
4-Ethyltoluene	**0.55**	**0.50**	**2.7**	**2.46**		**1.0**	**7/31/2009**	**TR**	**EPA TO15**
4-Methyl-2-pentanone (MIBK)	<1.0	1.0	<4.10	4.10	C, L	1.0	7/31/2009	TR	EPA TO15
Acetone	**29**	**5.0**	**69**	**11.9**		**1.0**	**7/31/2009**	**TR**	**EPA TO15**
Allyl Chloride	<0.50	0.50	<1.56	1.56		1.0	7/31/2009	TR	EPA TO15
Benzene	**0.39**	**0.50**	**1.3**	**1.60**	**J**	**1.0**	**7/31/2009**	**TR**	**EPA TO15**
Benzyl Chloride	<2.0	2.0	<10.4	10.4		1.0	7/31/2009	TR	EPA TO15
Bromodichloromethane	<0.50	0.50	<3.35	3.35		1.0	7/31/2009	TR	EPA TO15
Bromoethene(Vinyl Bromide)	<0.50	0.50	<2.19	2.19		1.0	7/31/2009	TR	EPA TO15
Bromoform	<0.50	0.50	<5.17	5.17		1.0	7/31/2009	TR	EPA TO15
Bromomethane	<0.50	0.50	<1.94	1.94		1.0	7/31/2009	TR	EPA TO15
Carbon disulfide	**5.0**	**0.50**	**16**	**1.56**		**1.0**	**7/31/2009**	**TR**	**EPA TO15**
Carbon tetrachloride	<0.50	0.50	<3.15	3.15		1.0	7/31/2009	TR	EPA TO15
Chlorobenzene	<0.50	0.50	<2.30	2.30		1.0	7/31/2009	TR	EPA TO15
Chloroethane	<0.50	0.50	<1.32	1.32		1.0	7/31/2009	TR	EPA TO15
Chloroform	<0.50	0.50	<2.44	2.44		1.0	7/31/2009	TR	EPA TO15
Chloromethane	**0.35**	**0.50**	**0.72**	**1.03**	**J**	**1.0**	**7/31/2009**	**TR**	**EPA TO15**
cis-1,2-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	7/31/2009	TR	EPA TO15
cis-1,3-Dichloropropene	<0.50	0.50	<2.27	2.27		1.0	7/31/2009	TR	EPA TO15
Cyclohexane	<0.50	0.50	<1.72	1.72		1.0	7/31/2009	TR	EPA TO15
Dibromochloromethane	<0.50	0.50	<4.26	4.26		1.0	7/31/2009	TR	EPA TO15
Dichlorodifluoromethane	**0.24**	**0.50**	**1.2**	**2.47**	**J**	**1.0**	**7/31/2009**	**TR**	**EPA TO15**
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.50	3.50		1.0	7/31/2009	TR	EPA TO15
Ethyl Acetate	<0.50	0.50	<1.80	1.80		1.0	7/31/2009	TR	EPA TO15
Ethylbenzene	**1.1**	**0.50**	**4.8**	**2.17**		**1.0**	**7/31/2009**	**TR**	**EPA TO15**
Freon 113	<0.50	0.50	<3.83	3.83		1.0	7/31/2009	TR	EPA TO15
Heptane	<0.50	0.50	<2.05	2.05		1.0	7/31/2009	TR	EPA TO15

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Volatile Organic Compounds by EPA TO-15

Sample ID: PSG0612-07 (NSG0861-07 (SV-19)) - cont. **Sampled: 07/07/09 17:29**

	ppbv		ug/m3		Data		Date		
	Result	PQL	Result	PQL	Qualifiers	Dilution	Analyzed	Analyst	Method
Hexachlorobutadiene	<1.0	1.0	<10.7	10.7		1.0	7/31/2009	TR	EPA TO15
Hexane	**0.22**	**0.50**	**0.78**	**1.76**	**J**	**1.0**	**7/31/2009**	**TR**	**EPA TO15**
m,p-Xylenes	**3.6**	**1.0**	**16**	**4.34**		**1.0**	**7/31/2009**	**TR**	**EPA TO15**
Methylene Chloride	<0.50	0.50	<1.74	1.74		1.0	7/31/2009	TR	EPA TO15
Methyl-tert-butyl Ether (MTBE)	**0.18**	**1.0**	**0.65**	**3.61**	**J**	**1.0**	**7/31/2009**	**TR**	**EPA TO15**
o-Xylene	**1.4**	**0.50**	**6.1**	**2.17**		**1.0**	**7/31/2009**	**TR**	**EPA TO15**
Propene	<0.50	0.50	<0.861	0.861		1.0	7/31/2009	TR	EPA TO15
Styrene	**0.29**	**0.50**	**1.2**	**2.13**	**J**	**1.0**	**7/31/2009**	**TR**	**EPA TO15**
Tetrachloroethene	**4.1**	**0.50**	**28**	**3.39**		**1.0**	**7/31/2009**	**TR**	**EPA TO15**
Tetrahydrofuran	<2.0	2.0	<5.90	5.90		1.0	7/31/2009	TR	EPA TO15
Toluene	**3.7**	**0.50**	**14**	**1.88**		**1.0**	**7/31/2009**	**TR**	**EPA TO15**
trans-1,2-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	7/31/2009	TR	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.27	2.27		1.0	7/31/2009	TR	EPA TO15
Trichloroethene	<0.50	0.50	<2.69	2.69		1.0	7/31/2009	TR	EPA TO15
Trichlorofluoromethane	**0.65**	**0.50**	**3.7**	**2.81**		**1.0**	**7/31/2009**	**TR**	**EPA TO15**
Vinyl Acetate	<0.50	0.50	<1.76	1.76		1.0	7/31/2009	TR	EPA TO15
Vinyl chloride	<0.50	0.50	<1.28	1.28		1.0	7/31/2009	TR	EPA TO15
Surrogate: 4-Bromofluorobenzene	*89 %*		*Limit 70-130*						

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	ppbv		ug/m3		Data		Date		
	Result	PQL	Result	PQL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PSG0612-08 (NSG0861-08 (Ambient Air 1))								**Sampled: 07/07/09 16:41**	
1,1,1-Trichloroethane	<0.50	0.50	<2.73	2.73		1.0	7/31/2009	TR	EPA TO15
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.43	3.43		1.0	7/31/2009	TR	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.73	2.73		1.0	7/31/2009	TR	EPA TO15
1,1-Dichloroethane	<0.50	0.50	<2.02	2.02		1.0	7/31/2009	TR	EPA TO15
1,1-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	7/31/2009	TR	EPA TO15
1,2,4-Trichlorobenzene	<2.0	2.0	<14.8	14.8		1.0	7/31/2009	TR	EPA TO15
1,2,4-Trimethylbenzene	**0.59**	**0.50**	**2.9**	**2.46**		**1.0**	**7/31/2009**	**TR**	**EPA TO15**
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.84	3.84		1.0	7/31/2009	TR	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.01	3.01		1.0	7/31/2009	TR	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.02	2.02		1.0	7/31/2009	TR	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.31	2.31		1.0	7/31/2009	TR	EPA TO15
1,3,5-Trimethylbenzene	<0.50	0.50	<2.46	2.46		1.0	7/31/2009	TR	EPA TO15
1,3-Butadiene	**0.23**	**0.50**	**0.51**	**1.10**	**J**	**1.0**	**7/31/2009**	**TR**	**EPA TO15**
1,3-Dichlorobenzene	<0.50	0.50	<3.01	3.01		1.0	7/31/2009	TR	EPA TO15
1,4-Dichlorobenzene	<0.50	0.50	<3.01	3.01		1.0	7/31/2009	TR	EPA TO15
2,2,4-Trimethylpentane	<0.50	0.50	<2.34	2.34	C, L	1.0	7/31/2009	TR	EPA TO15
2-Butanone (MEK)	**1.6**	**1.0**	**4.7**	**2.95**		**1.0**	**7/31/2009**	**TR**	**EPA TO15**
2-Hexanone	**0.35**	**1.0**	**1.4**	**4.10**	**C, L, J**	**1.0**	**7/31/2009**	**TR**	**EPA TO15**
2-Propanol	<2.0	2.0	<4.92	4.92		1.0	7/31/2009	TR	EPA TO15
4-Ethyltoluene	**0.35**	**0.50**	**1.7**	**2.46**	**J**	**1.0**	**7/31/2009**	**TR**	**EPA TO15**
4-Methyl-2-pentanone (MIBK)	<1.0	1.0	<4.10	4.10	C, L	1.0	7/31/2009	TR	EPA TO15
Acetone	**21**	**5.0**	**50**	**11.9**		**1.0**	**7/31/2009**	**TR**	**EPA TO15**
Allyl Chloride	<0.50	0.50	<1.56	1.56		1.0	7/31/2009	TR	EPA TO15
Benzene	**0.42**	**0.50**	**1.3**	**1.60**	**J**	**1.0**	**7/31/2009**	**TR**	**EPA TO15**
Benzyl Chloride	<2.0	2.0	<10.4	10.4		1.0	7/31/2009	TR	EPA TO15
Bromodichloromethane	<0.50	0.50	<3.35	3.35		1.0	7/31/2009	TR	EPA TO15
Bromoethene(Vinyl Bromide)	<0.50	0.50	<2.19	2.19		1.0	7/31/2009	TR	EPA TO15
Bromoform	<0.50	0.50	<5.17	5.17		1.0	7/31/2009	TR	EPA TO15
Bromomethane	<0.50	0.50	<1.94	1.94		1.0	7/31/2009	TR	EPA TO15
Carbon disulfide	**0.50**	**0.50**	**1.6**	**1.56**		**1.0**	**7/31/2009**	**TR**	**EPA TO15**
Carbon tetrachloride	<0.50	0.50	<3.15	3.15		1.0	7/31/2009	TR	EPA TO15
Chlorobenzene	<0.50	0.50	<2.30	2.30		1.0	7/31/2009	TR	EPA TO15
Chloroethane	<0.50	0.50	<1.32	1.32		1.0	7/31/2009	TR	EPA TO15
Chloroform	<0.50	0.50	<2.44	2.44		1.0	7/31/2009	TR	EPA TO15
Chloromethane	**0.51**	**0.50**	**1.1**	**1.03**		**1.0**	**7/31/2009**	**TR**	**EPA TO15**
cis-1,2-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	7/31/2009	TR	EPA TO15
cis-1,3-Dichloropropene	<0.50	0.50	<2.27	2.27		1.0	7/31/2009	TR	EPA TO15
Cyclohexane	<0.50	0.50	<1.72	1.72		1.0	7/31/2009	TR	EPA TO15
Dibromochloromethane	<0.50	0.50	<4.26	4.26		1.0	7/31/2009	TR	EPA TO15
Dichlorodifluoromethane	**0.17**	**0.50**	**0.84**	**2.47**	**J**	**1.0**	**7/31/2009**	**TR**	**EPA TO15**
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.50	3.50		1.0	7/31/2009	TR	EPA TO15
Ethyl Acetate	**0.24**	**0.50**	**0.87**	**1.80**	**J**	**1.0**	**7/31/2009**	**TR**	**EPA TO15**
Ethylbenzene	**0.39**	**0.50**	**1.7**	**2.17**	**J**	**1.0**	**7/31/2009**	**TR**	**EPA TO15**
Freon 113	<0.50	0.50	<3.83	3.83		1.0	7/31/2009	TR	EPA TO15
Heptane	<0.50	0.50	<2.05	2.05		1.0	7/31/2009	TR	EPA TO15

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	ppbv		ug/m3		Data		Date		
	Result	PQL	Result	PQL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PSG0612-08 (NSG0861-08 (Ambient Air 1)) - cont.								**Sampled: 07/07/09 16:41**	
Hexachlorobutadiene	<1.0	1.0	<10.7	10.7		1.0	7/31/2009	TR	EPA TO15
Hexane	**0.50**	**0.50**	**1.8**	**1.76**		**1.0**	**7/31/2009**	**TR**	**EPA TO15**
m,p-Xylenes	**1.3**	**1.0**	**5.6**	**4.34**		**1.0**	**7/31/2009**	**TR**	**EPA TO15**
Methylene Chloride	<0.50	0.50	<1.74	1.74		1.0	7/31/2009	TR	EPA TO15
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0	<3.61	3.61		1.0	7/31/2009	TR	EPA TO15
o-Xylene	**0.50**	**0.50**	**2.2**	**2.17**		**1.0**	**7/31/2009**	**TR**	**EPA TO15**
Propene	<0.50	0.50	<0.861	0.861		1.0	7/31/2009	TR	EPA TO15
Styrene	**0.25**	**0.50**	**1.1**	**2.13**	**J**	**1.0**	**7/31/2009**	**TR**	**EPA TO15**
Tetrachloroethene	<0.50	0.50	<3.39	3.39		1.0	7/31/2009	TR	EPA TO15
Tetrahydrofuran	<2.0	2.0	<5.90	5.90		1.0	7/31/2009	TR	EPA TO15
Toluene	**1.9**	**0.50**	**7.2**	**1.88**		**1.0**	**7/31/2009**	**TR**	**EPA TO15**
trans-1,2-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	7/31/2009	TR	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.27	2.27		1.0	7/31/2009	TR	EPA TO15
Trichloroethene	<0.50	0.50	<2.69	2.69		1.0	7/31/2009	TR	EPA TO15
Trichlorofluoromethane	**0.27**	**0.50**	**1.5**	**2.81**	**J**	**1.0**	**7/31/2009**	**TR**	**EPA TO15**
Vinyl Acetate	<0.50	0.50	<1.76	1.76		1.0	7/31/2009	TR	EPA TO15
Vinyl chloride	<0.50	0.50	<1.28	1.28		1.0	7/31/2009	TR	EPA TO15
Surrogate: 4-Bromofluorobenzene	*105 %*		*Limit 70-130*						

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Gail Lage

Work Order: PSG0612
Project: N_ExxonMobil Buffalo
Project Number: Former Exxon Buffalo Terminal

Received: 07/10/09
Reported: 08/05/09 17:06

Volatile Organic Compounds by EPA TO-15

Sample ID: PSG0612-09 (NSG0861-09 (SV-13)) **Sampled: 07/08/09 14:58**

	ppbv		ug/m3		Data		Date		
	Result	PQL	Result	PQL	Qualifiers	Dilution	Analyzed	Analyst	Method
1,1,1-Trichloroethane	<0.50	0.50	<2.73	2.73		1.0	8/3/2009	TR	EPA TO15
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.43	3.43		1.0	8/3/2009	TR	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.73	2.73		1.0	8/3/2009	TR	EPA TO15
1,1-Dichloroethane	<0.50	0.50	<2.02	2.02		1.0	8/3/2009	TR	EPA TO15
1,1-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	8/3/2009	TR	EPA TO15
1,2,4-Trichlorobenzene	<2.0	2.0	<14.8	14.8		1.0	8/3/2009	TR	EPA TO15
1,2,4-Trimethylbenzene	**0.29**	**0.50**	**1.4**	**2.46**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.84	3.84		1.0	8/3/2009	TR	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.01	3.01		1.0	8/3/2009	TR	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.02	2.02		1.0	8/3/2009	TR	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.31	2.31		1.0	8/3/2009	TR	EPA TO15
1,3,5-Trimethylbenzene	<0.50	0.50	<2.46	2.46		1.0	8/3/2009	TR	EPA TO15
1,3-Butadiene	<0.50	0.50	<1.10	1.10		1.0	8/3/2009	TR	EPA TO15
1,3-Dichlorobenzene	<0.50	0.50	<3.01	3.01		1.0	8/3/2009	TR	EPA TO15
1,4-Dichlorobenzene	<0.50	0.50	<3.01	3.01		1.0	8/3/2009	TR	EPA TO15
2,2,4-Trimethylpentane	<0.50	0.50	<2.34	2.34		1.0	8/3/2009	TR	EPA TO15
2-Butanone (MEK)	**3.5**	**1.0**	**10**	**2.95**		**1.0**	**8/3/2009**	**TR**	**EPA TO15**
2-Hexanone	**0.18**	**1.0**	**0.74**	**4.10**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
2-Propanol	**1.1**	**2.0**	**2.7**	**4.92**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
4-Ethyltoluene	<0.50	0.50	<2.46	2.46		1.0	8/3/2009	TR	EPA TO15
4-Methyl-2-pentanone (MIBK)	<1.0	1.0	<4.10	4.10		1.0	8/3/2009	TR	EPA TO15
Acetone	**32**	**5.0**	**76**	**11.9**		**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Allyl Chloride	<0.50	0.50	<1.56	1.56		1.0	8/3/2009	TR	EPA TO15
Benzene	**0.31**	**0.50**	**0.99**	**1.60**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Benzyl Chloride	<2.0	2.0	<10.4	10.4		1.0	8/3/2009	TR	EPA TO15
Bromodichloromethane	<0.50	0.50	<3.35	3.35		1.0	8/3/2009	TR	EPA TO15
Bromoethene(Vinyl Bromide)	<0.50	0.50	<2.19	2.19		1.0	8/3/2009	TR	EPA TO15
Bromoform	<0.50	0.50	<5.17	5.17		1.0	8/3/2009	TR	EPA TO15
Bromomethane	<0.50	0.50	<1.94	1.94		1.0	8/3/2009	TR	EPA TO15
Carbon disulfide	**0.17**	**0.50**	**0.53**	**1.56**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Carbon tetrachloride	<0.50	0.50	<3.15	3.15		1.0	8/3/2009	TR	EPA TO15
Chlorobenzene	<0.50	0.50	<2.30	2.30		1.0	8/3/2009	TR	EPA TO15
Chloroethane	<0.50	0.50	<1.32	1.32		1.0	8/3/2009	TR	EPA TO15
Chloroform	<0.50	0.50	<2.44	2.44		1.0	8/3/2009	TR	EPA TO15
Chloromethane	**0.51**	**0.50**	**1.1**	**1.03**		**1.0**	**8/3/2009**	**TR**	**EPA TO15**
cis-1,2-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	8/3/2009	TR	EPA TO15
cis-1,3-Dichloropropene	<0.50	0.50	<2.27	2.27		1.0	8/3/2009	TR	EPA TO15
Cyclohexane	<0.50	0.50	<1.72	1.72		1.0	8/3/2009	TR	EPA TO15
Dibromochloromethane	<0.50	0.50	<4.26	4.26		1.0	8/3/2009	TR	EPA TO15
Dichlorodifluoromethane	**0.71**	**0.50**	**3.5**	**2.47**		**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.50	3.50		1.0	8/3/2009	TR	EPA TO15
Ethyl Acetate	**0.23**	**0.50**	**0.83**	**1.80**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Ethylbenzene	**0.30**	**0.50**	**1.3**	**2.17**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Freon 113	<0.50	0.50	<3.83	3.83		1.0	8/3/2009	TR	EPA TO15
Heptane	**0.45**	**0.50**	**1.8**	**2.05**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**

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Work Order: PSG0612
Project: N_ExxonMobil Buffalo
Project Number: Former Exxon Buffalo Terminal

Received: 07/10/09
Reported: 08/05/09 17:06

	ppbv		ug/m3		Data		Date		
	Result	PQL	Result	PQL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PSG0612-09 (NSG0861-09 (SV-13)) - cont.								**Sampled: 07/08/09 14:58**	
Hexachlorobutadiene	<1.0	1.0	<10.7	10.7		1.0	8/3/2009	TR	EPA TO15
Hexane	**0.19**	**0.50**	**0.67**	**1.76**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
m,p-Xylenes	**0.94**	**1.0**	**4.1**	**4.34**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Methylene Chloride	**0.23**	**0.50**	**0.80**	**1.74**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0	<3.61	3.61		1.0	8/3/2009	TR	EPA TO15
o-Xylene	**0.31**	**0.50**	**1.4**	**2.17**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Propene	<0.50	0.50	<0.861	0.861		1.0	8/3/2009	TR	EPA TO15
Styrene	<0.50	0.50	<2.13	2.13		1.0	8/3/2009	TR	EPA TO15
Tetrachloroethene	<0.50	0.50	<3.39	3.39		1.0	8/3/2009	TR	EPA TO15
Tetrahydrofuran	<2.0	2.0	<5.90	5.90		1.0	8/3/2009	TR	EPA TO15
Toluene	**9.6**	**0.50**	**36**	**1.88**		**1.0**	**8/3/2009**	**TR**	**EPA TO15**
trans-1,2-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	8/3/2009	TR	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.27	2.27		1.0	8/3/2009	TR	EPA TO15
Trichloroethene	<0.50	0.50	<2.69	2.69		1.0	8/3/2009	TR	EPA TO15
Trichlorofluoromethane	**0.31**	**0.50**	**1.7**	**2.81**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Vinyl Acetate	<0.50	0.50	<1.76	1.76		1.0	8/3/2009	TR	EPA TO15
Vinyl chloride	**0.16**	**0.50**	**0.41**	**1.28**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Surrogate: 4-Bromofluorobenzene	*100 %*		*Limit 70-130*						

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Project: N_ExxonMobil Buffalo
Project Number: Former Exxon Buffalo Terminal

Received: 07/10/09
Reported: 08/05/09 17:06

Volatile Organic Compounds by EPA TO-15

Sample ID: PSG0612-10 (NSG0861-10 (Duplicate)) — **Sampled: 07/08/09 17:57**

	ppbv		ug/m3		Data		Date		
	Result	PQL	Result	PQL	Qualifiers	Dilution	Analyzed	Analyst	Method
1,1,1-Trichloroethane	**10**	**0.50**	**55**	**2.73**		**1.0**	**8/3/2009**	**TR**	**EPA TO15**
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.43	3.43		1.0	8/3/2009	TR	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.73	2.73		1.0	8/3/2009	TR	EPA TO15
1,1-Dichloroethane	**0.28**	**0.50**	**1.1**	**2.02**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
1,1-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	8/3/2009	TR	EPA TO15
1,2,4-Trichlorobenzene	<2.0	2.0	<14.8	14.8		1.0	8/3/2009	TR	EPA TO15
1,2,4-Trimethylbenzene	**1.4**	**0.50**	**6.9**	**2.46**		**1.0**	**8/3/2009**	**TR**	**EPA TO15**
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.84	3.84		1.0	8/3/2009	TR	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.01	3.01		1.0	8/3/2009	TR	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.02	2.02		1.0	8/3/2009	TR	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.31	2.31		1.0	8/3/2009	TR	EPA TO15
1,3,5-Trimethylbenzene	**0.31**	**0.50**	**1.5**	**2.46**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
1,3-Butadiene	**0.45**	**0.50**	**0.99**	**1.10**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
1,3-Dichlorobenzene	<0.50	0.50	<3.01	3.01		1.0	8/3/2009	TR	EPA TO15
1,4-Dichlorobenzene	**0.38**	**0.50**	**2.3**	**3.01**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
2,2,4-Trimethylpentane	<0.50	0.50	<2.34	2.34		1.0	8/3/2009	TR	EPA TO15
2-Butanone (MEK)	**4.3**	**1.0**	**13**	**2.95**		**1.0**	**8/3/2009**	**TR**	**EPA TO15**
2-Hexanone	**0.69**	**1.0**	**2.8**	**4.10**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
2-Propanol	**2.4**	**2.0**	**5.9**	**4.92**		**1.0**	**8/3/2009**	**TR**	**EPA TO15**
4-Ethyltoluene	**0.56**	**0.50**	**2.8**	**2.46**		**1.0**	**8/3/2009**	**TR**	**EPA TO15**
4-Methyl-2-pentanone (MIBK)	**0.47**	**1.0**	**1.9**	**4.10**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Acetone	**26**	**5.0**	**62**	**11.9**		**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Allyl Chloride	<0.50	0.50	<1.56	1.56		1.0	8/3/2009	TR	EPA TO15
Benzene	**0.76**	**0.50**	**2.4**	**1.60**		**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Benzyl Chloride	<2.0	2.0	<10.4	10.4		1.0	8/3/2009	TR	EPA TO15
Bromodichloromethane	**0.21**	**0.50**	**1.4**	**3.35**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Bromoethene(Vinyl Bromide)	<0.50	0.50	<2.19	2.19		1.0	8/3/2009	TR	EPA TO15
Bromoform	<0.50	0.50	<5.17	5.17		1.0	8/3/2009	TR	EPA TO15
Bromomethane	<0.50	0.50	<1.94	1.94		1.0	8/3/2009	TR	EPA TO15
Carbon disulfide	**3.7**	**0.50**	**12**	**1.56**		**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Carbon tetrachloride	<0.50	0.50	<3.15	3.15		1.0	8/3/2009	TR	EPA TO15
Chlorobenzene	<0.50	0.50	<2.30	2.30		1.0	8/3/2009	TR	EPA TO15
Chloroethane	<0.50	0.50	<1.32	1.32		1.0	8/3/2009	TR	EPA TO15
Chloroform	**0.55**	**0.50**	**2.7**	**2.44**		**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Chloromethane	<0.50	0.50	<1.03	1.03		1.0	8/3/2009	TR	EPA TO15
cis-1,2-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	8/3/2009	TR	EPA TO15
cis-1,3-Dichloropropene	<0.50	0.50	<2.27	2.27		1.0	8/3/2009	TR	EPA TO15
Cyclohexane	**0.27**	**0.50**	**0.93**	**1.72**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Dibromochloromethane	<0.50	0.50	<4.26	4.26		1.0	8/3/2009	TR	EPA TO15
Dichlorodifluoromethane	**0.73**	**0.50**	**3.6**	**2.47**		**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.50	3.50		1.0	8/3/2009	TR	EPA TO15
Ethyl Acetate	**0.37**	**0.50**	**1.3**	**1.80**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Ethylbenzene	**1.1**	**0.50**	**4.8**	**2.17**		**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Freon 113	<0.50	0.50	<3.83	3.83		1.0	8/3/2009	TR	EPA TO15
Heptane	**0.54**	**0.50**	**2.2**	**2.05**		**1.0**	**8/3/2009**	**TR**	**EPA TO15**

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

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Work Order: PSG0612
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Project Number: Former Exxon Buffalo Terminal

Received: 07/10/09
Reported: 08/05/09 17:06

Volatile Organic Compounds by EPA TO-15

Sample ID: PSG0612-10 (NSG0861-10 (Duplicate)) - cont. **Sampled: 07/08/09 17:57**

	ppbv Result	ppbv PQL	ug/m3 Result	ug/m3 PQL	Data Qualifiers	Dilution	Date Analyzed	Analyst	Method
Hexachlorobutadiene	<1.0	1.0	<10.7	10.7		1.0	8/3/2009	TR	EPA TO15
Hexane	**0.38**	**0.50**	**1.3**	**1.76**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
m,p-Xylenes	**4.1**	**1.0**	**18**	**4.34**		**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Methylene Chloride	**0.18**	**0.50**	**0.63**	**1.74**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0	<3.61	3.61		1.0	8/3/2009	TR	EPA TO15
o-Xylene	**1.5**	**0.50**	**6.5**	**2.17**		**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Propene	**0.51**	**0.50**	**0.88**	**0.861**		**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Styrene	**0.20**	**0.50**	**0.85**	**2.13**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Tetrachloroethene	**16**	**0.50**	**110**	**3.39**		**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Tetrahydrofuran	<2.0	2.0	<5.90	5.90		1.0	8/3/2009	TR	EPA TO15
Toluene	**4.7**	**0.50**	**18**	**1.88**		**1.0**	**8/3/2009**	**TR**	**EPA TO15**
trans-1,2-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	8/3/2009	TR	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.27	2.27		1.0	8/3/2009	TR	EPA TO15
Trichloroethene	<0.50	0.50	<2.69	2.69		1.0	8/3/2009	TR	EPA TO15
Trichlorofluoromethane	**0.33**	**0.50**	**1.9**	**2.81**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Vinyl Acetate	<0.50	0.50	<1.76	1.76		1.0	8/3/2009	TR	EPA TO15
Vinyl chloride	**0.18**	**0.50**	**0.46**	**1.28**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Surrogate: 4-Bromofluorobenzene	*86 %*		*Limit 70-130*						

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Work Order: PSG0612
Project: N_ExxonMobil Buffalo
Project Number: Former Exxon Buffalo Terminal

Received: 07/10/09
Reported: 08/05/09 17:06

Volatile Organic Compounds by EPA TO-15

Sample ID: PSG0612-11 (NSG0861-11 (Ambient Air 2)) **Sampled: 07/08/09 17:37**

	ppbv		ug/m3		Data		Date		
	Result	PQL	Result	PQL	Qualifiers	Dilution	Analyzed	Analyst	Method
1,1,1-Trichloroethane	<0.50	0.50	<2.73	2.73		1.0	8/3/2009	TR	EPA TO15
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.43	3.43		1.0	8/3/2009	TR	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.73	2.73		1.0	8/3/2009	TR	EPA TO15
1,1-Dichloroethane	<0.50	0.50	<2.02	2.02		1.0	8/3/2009	TR	EPA TO15
1,1-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	8/3/2009	TR	EPA TO15
1,2,4-Trichlorobenzene	<2.0	2.0	<14.8	14.8		1.0	8/3/2009	TR	EPA TO15
1,2,4-Trimethylbenzene	**0.48**	**0.50**	**2.4**	**2.46**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.84	3.84		1.0	8/3/2009	TR	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.01	3.01		1.0	8/3/2009	TR	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.02	2.02		1.0	8/3/2009	TR	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.31	2.31		1.0	8/3/2009	TR	EPA TO15
1,3,5-Trimethylbenzene	<0.50	0.50	<2.46	2.46		1.0	8/3/2009	TR	EPA TO15
1,3-Butadiene	**0.23**	**0.50**	**0.51**	**1.10**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
1,3-Dichlorobenzene	<0.50	0.50	<3.01	3.01		1.0	8/3/2009	TR	EPA TO15
1,4-Dichlorobenzene	<0.50	0.50	<3.01	3.01		1.0	8/3/2009	TR	EPA TO15
2,2,4-Trimethylpentane	**0.23**	**0.50**	**1.1**	**2.34**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
2-Butanone (MEK)	**3.3**	**1.0**	**9.7**	**2.95**		**1.0**	**8/3/2009**	**TR**	**EPA TO15**
2-Hexanone	**0.43**	**1.0**	**1.8**	**4.10**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
2-Propanol	<2.0	2.0	<4.92	4.92		1.0	8/3/2009	TR	EPA TO15
4-Ethyltoluene	**0.16**	**0.50**	**0.79**	**2.46**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
4-Methyl-2-pentanone (MIBK)	<1.0	1.0	<4.10	4.10		1.0	8/3/2009	TR	EPA TO15
Acetone	**18**	**5.0**	**43**	**11.9**		**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Allyl Chloride	<0.50	0.50	<1.56	1.56		1.0	8/3/2009	TR	EPA TO15
Benzene	**0.57**	**0.50**	**1.8**	**1.60**		**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Benzyl Chloride	**0.34**	**2.0**	**1.8**	**10.4**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Bromodichloromethane	<0.50	0.50	<3.35	3.35		1.0	8/3/2009	TR	EPA TO15
Bromoethene(Vinyl Bromide)	<0.50	0.50	<2.19	2.19		1.0	8/3/2009	TR	EPA TO15
Bromoform	<0.50	0.50	<5.17	5.17		1.0	8/3/2009	TR	EPA TO15
Bromomethane	<0.50	0.50	<1.94	1.94		1.0	8/3/2009	TR	EPA TO15
Carbon disulfide	**0.28**	**0.50**	**0.87**	**1.56**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Carbon tetrachloride	<0.50	0.50	<3.15	3.15		1.0	8/3/2009	TR	EPA TO15
Chlorobenzene	<0.50	0.50	<2.30	2.30		1.0	8/3/2009	TR	EPA TO15
Chloroethane	<0.50	0.50	<1.32	1.32		1.0	8/3/2009	TR	EPA TO15
Chloroform	<0.50	0.50	<2.44	2.44		1.0	8/3/2009	TR	EPA TO15
Chloromethane	**0.49**	**0.50**	**1.0**	**1.03**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
cis-1,2-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	8/3/2009	TR	EPA TO15
cis-1,3-Dichloropropene	<0.50	0.50	<2.27	2.27		1.0	8/3/2009	TR	EPA TO15
Cyclohexane	**0.16**	**0.50**	**0.55**	**1.72**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Dibromochloromethane	<0.50	0.50	<4.26	4.26		1.0	8/3/2009	TR	EPA TO15
Dichlorodifluoromethane	**0.70**	**0.50**	**3.5**	**2.47**		**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.50	3.50		1.0	8/3/2009	TR	EPA TO15
Ethyl Acetate	<0.50	0.50	<1.80	1.80		1.0	8/3/2009	TR	EPA TO15
Ethylbenzene	**0.39**	**0.50**	**1.7**	**2.17**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Freon 113	<0.50	0.50	<3.83	3.83		1.0	8/3/2009	TR	EPA TO15
Heptane	**0.21**	**0.50**	**0.86**	**2.05**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Gail Lage

Work Order: PSG0612
Project: N_ExxonMobil Buffalo
Project Number: Former Exxon Buffalo Terminal

Received: 07/10/09
Reported: 08/05/09 17:06

	ppbv		ug/m3		Data		Date		
	Result	PQL	Result	PQL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PSG0612-11 (NSG0861-11 (Ambient Air 2)) - cont.								**Sampled: 07/08/09 17:37**	
Hexachlorobutadiene	<1.0	1.0	<10.7	10.7		1.0	8/3/2009	TR	EPA TO15
Hexane	**0.24**	**0.50**	**0.85**	**1.76**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
m,p-Xylenes	**1.3**	**1.0**	**5.6**	**4.34**		**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Methylene Chloride	**0.32**	**0.50**	**1.1**	**1.74**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0	<3.61	3.61		1.0	8/3/2009	TR	EPA TO15
o-Xylene	**0.47**	**0.50**	**2.0**	**2.17**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Propene	**0.43**	**0.50**	**0.74**	**0.861**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Styrene	<0.50	0.50	<2.13	2.13		1.0	8/3/2009	TR	EPA TO15
Tetrachloroethene	<0.50	0.50	<3.39	3.39		1.0	8/3/2009	TR	EPA TO15
Tetrahydrofuran	<2.0	2.0	<5.90	5.90		1.0	8/3/2009	TR	EPA TO15
Toluene	**1.3**	**0.50**	**4.9**	**1.88**		**1.0**	**8/3/2009**	**TR**	**EPA TO15**
trans-1,2-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	8/3/2009	TR	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.27	2.27		1.0	8/3/2009	TR	EPA TO15
Trichloroethene	<0.50	0.50	<2.69	2.69		1.0	8/3/2009	TR	EPA TO15
Trichlorofluoromethane	**0.30**	**0.50**	**1.7**	**2.81**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Vinyl Acetate	<0.50	0.50	<1.76	1.76		1.0	8/3/2009	TR	EPA TO15
Vinyl chloride	**0.17**	**0.50**	**0.44**	**1.28**	**J**	**1.0**	**8/3/2009**	**TR**	**EPA TO15**
Surrogate: 4-Bromofluorobenzene	*86 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
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Work Order: PSG0612
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Project Number: Former Exxon Buffalo Terminal

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PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
P9G2909-BLK1							
1,1,1-Trichloroethane	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
1,1,2,2-Tetrachloroethane	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
1,1,2-Trichloroethane	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
1,1-Dichloroethane	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
1,1-Dichloroethene	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
1,2,4-Trichlorobenzene	<2.0	2.0		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
1,2,4-Trimethylbenzene	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
1,2-Dibromoethane (EDB)	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
1,2-Dichlorobenzene	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
1,2-Dichloroethane	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
1,2-Dichloropropane	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
1,3,5-Trimethylbenzene	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
1,3-Butadiene	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
1,3-Dichlorobenzene	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
1,4-Dichlorobenzene	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
2,2,4-Trimethylpentane	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
2-Butanone (MEK)	<1.0	1.0		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
2-Hexanone	<1.0	1.0		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
2-Propanol	<2.0	2.0		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
4-Ethyltoluene	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
4-Methyl-2-pentanone (MIBK)	<1.0	1.0		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Acetone	<5.0	5.0		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Allyl Chloride	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Benzene	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Benzyl Chloride	<2.0	2.0		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Bromodichloromethane	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Bromoethene(Vinyl Bromide)	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Bromoform	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Bromomethane	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Carbon disulfide	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Carbon tetrachloride	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Chlorobenzene	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Chloroethane	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Chloroform	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Chloromethane	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
cis-1,2-Dichloroethene	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
cis-1,3-Dichloropropene	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Cyclohexane	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Dibromochloromethane	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009

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Blank - Cont.

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
P9G2909-BLK1							
Dichlorodifluoromethane	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Dichlorotetrafluoroethane(F-114)	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Ethyl Acetate	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Ethylbenzene	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Freon 113	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Heptane	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Hexachlorobutadiene	<1.0	1.0		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Hexane	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
m,p-Xylenes	<1.0	1.0		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Methylene Chloride	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
o-Xylene	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Propene	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Styrene	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Tetrachloroethene	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Tetrahydrofuran	<2.0	2.0		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Toluene	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
trans-1,2-Dichloroethene	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
trans-1,3-Dichloropropene	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Trichloroethene	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Trichlorofluoromethane	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Vinyl Acetate	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Vinyl chloride	<0.50	0.50		ppbv	P9G2909	P9G2909-BLK1	07-27-2009
Surrogate: 4-Bromofluorobenzene	103%				P9G2909	P9G2909-BLK1	07-27-2009
P9G3011-BLK1							
1,1,1-Trichloroethane	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
1,1,2,2-Tetrachloroethane	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
1,1,2-Trichloroethane	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
1,1-Dichloroethane	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
1,1-Dichloroethene	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
1,2,4-Trichlorobenzene	<2.0	2.0		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
1,2,4-Trimethylbenzene	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
1,2-Dibromoethane (EDB)	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
1,2-Dichlorobenzene	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
1,2-Dichloroethane	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
1,2-Dichloropropane	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
1,3,5-Trimethylbenzene	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
1,3-Butadiene	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
1,3-Dichlorobenzene	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
1,4-Dichlorobenzene	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009

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Blank - Cont.

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
P9G3011-BLK1							
2,2,4-Trimethylpentane	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
2-Butanone (MEK)	<1.0	1.0		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
2-Hexanone	<1.0	1.0		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
2-Propanol	<2.0	2.0		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
4-Ethyltoluene	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
4-Methyl-2-pentanone (MIBK)	<1.0	1.0		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Acetone	<5.0	5.0		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Allyl Chloride	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Benzene	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Benzyl Chloride	<2.0	2.0		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Bromodichloromethane	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Bromoethene(Vinyl Bromide)	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Bromoform	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Bromomethane	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Carbon disulfide	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Carbon tetrachloride	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Chlorobenzene	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Chloroethane	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Chloroform	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Chloromethane	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
cis-1,2-Dichloroethene	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
cis-1,3-Dichloropropene	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Cyclohexane	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Dibromochloromethane	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Dichlorodifluoromethane	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Dichlorotetrafluoroethane(F-114)	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Ethyl Acetate	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Ethylbenzene	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Freon 113	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Heptane	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Hexachlorobutadiene	<1.0	1.0		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Hexane	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
m,p-Xylenes	<1.0	1.0		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Methylene Chloride	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
o-Xylene	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Propene	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Styrene	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Tetrachloroethene	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Tetrahydrofuran	<2.0	2.0		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Toluene	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009

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Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
P9G3011-BLK1							
trans-1,2-Dichloroethene	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
trans-1,3-Dichloropropene	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Trichloroethene	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Trichlorofluoromethane	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Vinyl Acetate	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Vinyl chloride	<0.50	0.50		ppbv	P9G3011	P9G3011-BLK1	07-29-2009
Surrogate: 4-Bromofluorobenzene	104%				P9G3011	P9G3011-BLK1	07-29-2009
P9G3107-BLK1							
1,1,1-Trichloroethane	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
1,1,2,2-Tetrachloroethane	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
1,1,2-Trichloroethane	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
1,1-Dichloroethane	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
1,1-Dichloroethene	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
1,2,4-Trichlorobenzene	<2.0	2.0		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
1,2,4-Trimethylbenzene	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
1,2-Dibromoethane (EDB)	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
1,2-Dichlorobenzene	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
1,2-Dichloroethane	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
1,2-Dichloropropane	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
1,3,5-Trimethylbenzene	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
1,3-Butadiene	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
1,3-Dichlorobenzene	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
1,4-Dichlorobenzene	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
2,2,4-Trimethylpentane	<0.50	0.50	C	ppbv	P9G3107	P9G3107-BLK1	07-30-2009
2-Butanone (MEK)	<1.0	1.0		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
2-Hexanone	<1.0	1.0	C	ppbv	P9G3107	P9G3107-BLK1	07-30-2009
2-Propanol	<2.0	2.0		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
4-Ethyltoluene	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
4-Methyl-2-pentanone (MIBK)	<1.0	1.0	C	ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Acetone	<5.0	5.0		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Allyl Chloride	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Benzene	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Benzyl Chloride	<2.0	2.0		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Bromodichloromethane	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Bromoethene(Vinyl Bromide)	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Bromoform	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Bromomethane	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Carbon disulfide	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Carbon tetrachloride	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Chlorobenzene	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009

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Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
P9G3107-BLK1							
Chloroethane	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Chloroform	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Chloromethane	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
cis-1,2-Dichloroethene	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
cis-1,3-Dichloropropene	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Cyclohexane	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Dibromochloromethane	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Dichlorodifluoromethane	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Dichlorotetrafluoroethane(F-114)	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Ethyl Acetate	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Ethylbenzene	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Freon 113	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Heptane	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Hexachlorobutadiene	<1.0	1.0		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Hexane	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
m,p-Xylenes	<1.0	1.0		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Methylene Chloride	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
o-Xylene	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Propene	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Styrene	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Tetrachloroethene	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Tetrahydrofuran	<2.0	2.0		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Toluene	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
trans-1,2-Dichloroethene	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
trans-1,3-Dichloropropene	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Trichloroethene	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Trichlorofluoromethane	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Vinyl Acetate	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Vinyl chloride	<0.50	0.50		ppbv	P9G3107	P9G3107-BLK1	07-30-2009
Surrogate: 4-Bromofluorobenzene	104%				P9G3107	P9G3107-BLK1	07-30-2009
P9H0407-BLK1							
1,1,1-Trichloroethane	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
1,1,2,2-Tetrachloroethane	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
1,1,2-Trichloroethane	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
1,1-Dichloroethane	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
1,1-Dichloroethene	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
1,2,4-Trichlorobenzene	<2.0	2.0		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
1,2,4-Trimethylbenzene	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
1,2-Dibromoethane (EDB)	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009

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Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
P9H0407-BLK1							
1,2-Dichlorobenzene	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
1,2-Dichloroethane	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
1,2-Dichloropropane	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
1,3,5-Trimethylbenzene	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
1,3-Butadiene	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
1,3-Dichlorobenzene	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
1,4-Dichlorobenzene	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
2,2,4-Trimethylpentane	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
2-Butanone (MEK)	<1.0	1.0		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
2-Hexanone	<1.0	1.0		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
2-Propanol	<2.0	2.0		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
4-Ethyltoluene	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
4-Methyl-2-pentanone (MIBK)	<1.0	1.0		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Acetone	<5.0	5.0		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Allyl Chloride	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Benzene	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Benzyl Chloride	<2.0	2.0		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Bromodichloromethane	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Bromoethene(Vinyl Bromide)	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Bromoform	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Bromomethane	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Carbon disulfide	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Carbon tetrachloride	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Chlorobenzene	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Chloroethane	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Chloroform	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Chloromethane	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
cis-1,2-Dichloroethene	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
cis-1,3-Dichloropropene	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Cyclohexane	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Dibromochloromethane	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Dichlorodifluoromethane	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Dichlorotetrafluoroethane(F-114)	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Ethyl Acetate	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Ethylbenzene	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Freon 113	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Heptane	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Hexachlorobutadiene	<1.0	1.0		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Hexane	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
m,p-Xylenes	<1.0	1.0		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Methylene Chloride	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009

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Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
P9H0407-BLK1							
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
o-Xylene	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Propene	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Styrene	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Tetrachloroethene	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Tetrahydrofuran	<2.0	2.0		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Toluene	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
trans-1,2-Dichloroethene	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
trans-1,3-Dichloropropene	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Trichloroethene	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Trichlorofluoromethane	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Vinyl Acetate	<0.50	0.50		ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Vinyl chloride	0.190	0.50	J	ppbv	P9H0407	P9H0407-BLK1	08-03-2009
Surrogate: 4-Bromofluorobenzene	104%				P9H0407	P9H0407-BLK1	08-03-2009

LCS

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
P9G2909-BS1								
1,1,1-Trichloroethane	10.5	0.50		ppbv	105%	65 - 135	P9G2909	07-27-2009
1,1,2,2-Tetrachloroethane	9.28	0.50		ppbv	93%	65 - 135	P9G2909	07-27-2009
1,1,2-Trichloroethane	9.35	0.50		ppbv	94%	65 - 135	P9G2909	07-27-2009
1,1-Dichloroethane	8.86	0.50		ppbv	89%	65 - 135	P9G2909	07-27-2009
1,1-Dichloroethene	11.0	0.50		ppbv	110%	65 - 135	P9G2909	07-27-2009
1,2,4-Trichlorobenzene	7.04	2.00		ppbv	70%	65 - 135	P9G2909	07-27-2009
1,2,4-Trimethylbenzene	8.83	0.50		ppbv	88%	65 - 135	P9G2909	07-27-2009
1,2-Dibromoethane (EDB)	9.29	0.50		ppbv	93%	65 - 135	P9G2909	07-27-2009
1,2-Dichlorobenzene	7.88	0.50		ppbv	79%	65 - 135	P9G2909	07-27-2009
1,2-Dichloroethane	10.2	0.50		ppbv	102%	65 - 135	P9G2909	07-27-2009
1,2-Dichloropropane	9.78	0.50		ppbv	98%	65 - 135	P9G2909	07-27-2009
1,3,5-Trimethylbenzene	8.95	0.50		ppbv	90%	65 - 135	P9G2909	07-27-2009
1,3-Butadiene	9.05	0.50		ppbv	90%	65 - 135	P9G2909	07-27-2009
1,3-Dichlorobenzene	8.13	0.50		ppbv	81%	65 - 135	P9G2909	07-27-2009
1,4-Dichlorobenzene	8.05	0.50		ppbv	80%	65 - 135	P9G2909	07-27-2009
2,2,4-Trimethylpentane	11.4	0.50		ppbv	114%	65 - 135	P9G2909	07-27-2009
2-Butanone (MEK)	10.4	1.00		ppbv	104%	65 - 135	P9G2909	07-27-2009
2-Hexanone	11.6	1.00		ppbv	116%	65 - 135	P9G2909	07-27-2009
2-Propanol	9.92	2.00		ppbv	99%	65 - 135	P9G2909	07-27-2009

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Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
P9G2909-BS1								
4-Ethyltoluene	8.54	0.50		ppbv	85%	65 - 135	P9G2909	07-27-2009
4-Methyl-2-pentanone (MIBK)	11.6	1.00		ppbv	116%	65 - 135	P9G2909	07-27-2009
Acetone	11.5	5.00		ppbv	115%	65 - 135	P9G2909	07-27-2009
Allyl Chloride	8.09	0.50		ppbv	81%	65 - 135	P9G2909	07-27-2009
Benzene	9.44	0.50		ppbv	94%	65 - 135	P9G2909	07-27-2009
Benzyl Chloride	8.38	2.00		ppbv	84%	65 - 135	P9G2909	07-27-2009
Bromodichloromethane	9.71	0.50		ppbv	97%	65 - 135	P9G2909	07-27-2009
Bromoethene(Vinyl Bromide)	7.98	0.50		ppbv	80%	65 - 135	P9G2909	07-27-2009
Bromoform	9.58	0.50		ppbv	96%	65 - 135	P9G2909	07-27-2009
Bromomethane	8.08	0.50		ppbv	81%	65 - 135	P9G2909	07-27-2009
Carbon disulfide	7.75	0.50		ppbv	78%	65 - 135	P9G2909	07-27-2009
Carbon tetrachloride	8.38	0.50		ppbv	84%	65 - 135	P9G2909	07-27-2009
Chlorobenzene	8.86	0.50		ppbv	89%	65 - 135	P9G2909	07-27-2009
Chloroethane	8.43	0.50		ppbv	84%	65 - 135	P9G2909	07-27-2009
Chloroform	10.8	0.50		ppbv	108%	65 - 135	P9G2909	07-27-2009
Chloromethane	8.61	0.50		ppbv	86%	65 - 135	P9G2909	07-27-2009
cis-1,2-Dichloroethene	9.72	0.50		ppbv	97%	65 - 135	P9G2909	07-27-2009
cis-1,3-Dichloropropene	9.88	0.50		ppbv	99%	65 - 135	P9G2909	07-27-2009
Cyclohexane	10.9	0.50		ppbv	109%	65 - 135	P9G2909	07-27-2009
Dibromochloromethane	9.79	0.50		ppbv	98%	65 - 135	P9G2909	07-27-2009
Dichlorodifluoromethane	10.6	0.50		ppbv	106%	65 - 135	P9G2909	07-27-2009
Dichlorotetrafluoroethane(F-114)	7.79	0.50		ppbv	78%	65 - 135	P9G2909	07-27-2009
Ethyl Acetate	10.6	0.50		ppbv	106%	65 - 135	P9G2909	07-27-2009
Ethylbenzene	9.03	0.50		ppbv	90%	65 - 135	P9G2909	07-27-2009
Freon 113	7.49	0.50		ppbv	75%	65 - 135	P9G2909	07-27-2009
Heptane	9.07	0.50		ppbv	91%	65 - 135	P9G2909	07-27-2009
Hexachlorobutadiene	6.96	1.00		ppbv	70%	65 - 135	P9G2909	07-27-2009
Hexane	8.80	0.50		ppbv	88%	65 - 135	P9G2909	07-27-2009
m,p-Xylenes	17.7	1.00		ppbv	88%	65 - 135	P9G2909	07-27-2009
Methylene Chloride	11.5	0.50		ppbv	115%	65 - 135	P9G2909	07-27-2009
Methyl-tert-butyl Ether (MTBE)	9.03	1.00		ppbv	90%	65 - 135	P9G2909	07-27-2009
o-Xylene	9.48	0.50		ppbv	95%	65 - 135	P9G2909	07-27-2009
Propene	11.7	0.50		ppbv	117%	65 - 135	P9G2909	07-27-2009
Styrene	9.20	0.50		ppbv	92%	65 - 135	P9G2909	07-27-2009
Tetrachloroethene	9.89	0.50		ppbv	99%	65 - 135	P9G2909	07-27-2009
Tetrahydrofuran	11.4	2.00		ppbv	114%	65 - 135	P9G2909	07-27-2009
Toluene	9.65	0.50		ppbv	96%	65 - 135	P9G2909	07-27-2009
trans-1,2-Dichloroethene	7.71	0.50		ppbv	77%	65 - 135	P9G2909	07-27-2009

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Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
P9G2909-BS1								
trans-1,3-Dichloropropene	10.1	0.50		ppbv	101%	65 - 135	P9G2909	07-27-2009
Trichloroethene	9.91	0.50		ppbv	99%	65 - 135	P9G2909	07-27-2009
Trichlorofluoromethane	8.25	0.50		ppbv	82%	65 - 135	P9G2909	07-27-2009
Vinyl Acetate	10.5	0.50		ppbv	105%	65 - 135	P9G2909	07-27-2009
Vinyl chloride	10.5	0.50		ppbv	105%	65 - 135	P9G2909	07-27-2009
Surrogate: 4-Bromofluorobenzene	10.2	0.50			102%	70 - 130	P9G2909	07-27-2009
P9G3011-BS1								
1,1,1-Trichloroethane	10.9	0.50		ppbv	109%	65 - 135	P9G3011	07-29-2009
1,1,2,2-Tetrachloroethane	9.71	0.50		ppbv	97%	65 - 135	P9G3011	07-29-2009
1,1,2-Trichloroethane	9.60	0.50		ppbv	96%	65 - 135	P9G3011	07-29-2009
1,1-Dichloroethane	8.95	0.50		ppbv	90%	65 - 135	P9G3011	07-29-2009
1,1-Dichloroethene	11.4	0.50		ppbv	114%	65 - 135	P9G3011	07-29-2009
1,2,4-Trichlorobenzene	7.00	2.00		ppbv	70%	65 - 135	P9G3011	07-29-2009
1,2,4-Trimethylbenzene	9.32	0.50		ppbv	93%	65 - 135	P9G3011	07-29-2009
1,2-Dibromoethane (EDB)	9.68	0.50		ppbv	97%	65 - 135	P9G3011	07-29-2009
1,2-Dichlorobenzene	8.19	0.50		ppbv	82%	65 - 135	P9G3011	07-29-2009
1,2-Dichloroethane	9.77	0.50		ppbv	98%	65 - 135	P9G3011	07-29-2009
1,2-Dichloropropane	10.2	0.50		ppbv	102%	65 - 135	P9G3011	07-29-2009
1,3,5-Trimethylbenzene	9.44	0.50		ppbv	94%	65 - 135	P9G3011	07-29-2009
1,3-Butadiene	9.43	0.50		ppbv	94%	65 - 135	P9G3011	07-29-2009
1,3-Dichlorobenzene	8.50	0.50		ppbv	85%	65 - 135	P9G3011	07-29-2009
1,4-Dichlorobenzene	8.42	0.50		ppbv	84%	65 - 135	P9G3011	07-29-2009
2,2,4-Trimethylpentane	12.3	0.50		ppbv	123%	65 - 135	P9G3011	07-29-2009
2-Butanone (MEK)	10.0	1.00		ppbv	100%	65 - 135	P9G3011	07-29-2009
2-Hexanone	12.0	1.00		ppbv	120%	65 - 135	P9G3011	07-29-2009
2-Propanol	9.10	2.00		ppbv	91%	65 - 135	P9G3011	07-29-2009
4-Ethyltoluene	9.03	0.50		ppbv	90%	65 - 135	P9G3011	07-29-2009
4-Methyl-2-pentanone (MIBK)	12.0	1.00		ppbv	120%	65 - 135	P9G3011	07-29-2009
Acetone	10.9	5.00		ppbv	109%	65 - 135	P9G3011	07-29-2009
Allyl Chloride	8.30	0.50		ppbv	83%	65 - 135	P9G3011	07-29-2009
Benzene	9.25	0.50		ppbv	92%	65 - 135	P9G3011	07-29-2009
Benzyl Chloride	9.07	2.00		ppbv	91%	65 - 135	P9G3011	07-29-2009
Bromodichloromethane	10.5	0.50		ppbv	105%	65 - 135	P9G3011	07-29-2009
Bromoethene(Vinyl Bromide)	8.01	0.50		ppbv	80%	65 - 135	P9G3011	07-29-2009
Bromoform	10.4	0.50		ppbv	104%	65 - 135	P9G3011	07-29-2009
Bromomethane	8.19	0.50		ppbv	82%	65 - 135	P9G3011	07-29-2009
Carbon disulfide	8.02	0.50		ppbv	80%	65 - 135	P9G3011	07-29-2009
Carbon tetrachloride	8.81	0.50		ppbv	88%	65 - 135	P9G3011	07-29-2009

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Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
P9G3011-BS1								
Chlorobenzene	9.39	0.50		ppbv	94%	65 - 135	P9G3011	07-29-2009
Chloroethane	8.67	0.50		ppbv	87%	65 - 135	P9G3011	07-29-2009
Chloroform	11.0	0.50		ppbv	110%	65 - 135	P9G3011	07-29-2009
Chloromethane	8.83	0.50		ppbv	88%	65 - 135	P9G3011	07-29-2009
cis-1,2-Dichloroethene	9.98	0.50		ppbv	100%	65 - 135	P9G3011	07-29-2009
cis-1,3-Dichloropropene	10.3	0.50		ppbv	103%	65 - 135	P9G3011	07-29-2009
Cyclohexane	11.4	0.50		ppbv	114%	65 - 135	P9G3011	07-29-2009
Dibromochloromethane	10.2	0.50		ppbv	102%	65 - 135	P9G3011	07-29-2009
Dichlorodifluoromethane	11.1	0.50		ppbv	111%	65 - 135	P9G3011	07-29-2009
Dichlorotetrafluoroethane(F-114)	8.05	0.50		ppbv	80%	65 - 135	P9G3011	07-29-2009
Ethyl Acetate	10.5	0.50		ppbv	105%	65 - 135	P9G3011	07-29-2009
Ethylbenzene	9.46	0.50		ppbv	95%	65 - 135	P9G3011	07-29-2009
Freon 113	7.77	0.50		ppbv	78%	65 - 135	P9G3011	07-29-2009
Heptane	9.53	0.50		ppbv	95%	65 - 135	P9G3011	07-29-2009
Hexachlorobutadiene	7.03	1.00		ppbv	70%	65 - 135	P9G3011	07-29-2009
Hexane	9.03	0.50		ppbv	90%	65 - 135	P9G3011	07-29-2009
m,p-Xylenes	19.0	1.00		ppbv	95%	65 - 135	P9G3011	07-29-2009
Methylene Chloride	11.8	0.50		ppbv	118%	65 - 135	P9G3011	07-29-2009
Methyl-tert-butyl Ether (MTBE)	9.04	1.00		ppbv	90%	65 - 135	P9G3011	07-29-2009
o-Xylene	9.93	0.50		ppbv	99%	65 - 135	P9G3011	07-29-2009
Propene	12.1	0.50		ppbv	121%	65 - 135	P9G3011	07-29-2009
Styrene	9.59	0.50		ppbv	96%	65 - 135	P9G3011	07-29-2009
Tetrachloroethene	10.7	0.50		ppbv	107%	65 - 135	P9G3011	07-29-2009
Tetrahydrofuran	11.2	2.00		ppbv	112%	65 - 135	P9G3011	07-29-2009
Toluene	9.90	0.50		ppbv	99%	65 - 135	P9G3011	07-29-2009
trans-1,2-Dichloroethene	8.01	0.50		ppbv	80%	65 - 135	P9G3011	07-29-2009
trans-1,3-Dichloropropene	10.5	0.50		ppbv	105%	65 - 135	P9G3011	07-29-2009
Trichloroethene	10.7	0.50		ppbv	107%	65 - 135	P9G3011	07-29-2009
Trichlorofluoromethane	8.31	0.50		ppbv	83%	65 - 135	P9G3011	07-29-2009
Vinyl Acetate	10.4	0.50		ppbv	104%	65 - 135	P9G3011	07-29-2009
Vinyl chloride	10.9	0.50		ppbv	109%	65 - 135	P9G3011	07-29-2009
Surrogate: 4-Bromofluorobenzene	10.2	0.50			102%	70 - 130	P9G3011	07-29-2009
P9G3107-BS1								
1,1,1-Trichloroethane	11.4	0.50		ppbv	114%	65 - 135	P9G3107	07-30-2009
1,1,2,2-Tetrachloroethane	10.5	0.50		ppbv	105%	65 - 135	P9G3107	07-30-2009
1,1,2-Trichloroethane	10.7	0.50		ppbv	107%	65 - 135	P9G3107	07-30-2009
1,1-Dichloroethane	9.30	0.50		ppbv	93%	65 - 135	P9G3107	07-30-2009
1,1-Dichloroethene	11.9	0.50		ppbv	119%	65 - 135	P9G3107	07-30-2009

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Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
P9G3107-BS1								
1,2,4-Trichlorobenzene	7.47	2.00		ppbv	75%	65 - 135	P9G3107	07-30-2009
1,2,4-Trimethylbenzene	9.96	0.50		ppbv	100%	65 - 135	P9G3107	07-30-2009
1,2-Dibromoethane (EDB)	10.7	0.50		ppbv	107%	65 - 135	P9G3107	07-30-2009
1,2-Dichlorobenzene	8.81	0.50		ppbv	88%	65 - 135	P9G3107	07-30-2009
1,2-Dichloroethane	9.63	0.50		ppbv	96%	65 - 135	P9G3107	07-30-2009
1,2-Dichloropropane	11.2	0.50		ppbv	112%	65 - 135	P9G3107	07-30-2009
1,3,5-Trimethylbenzene	10.1	0.50		ppbv	101%	65 - 135	P9G3107	07-30-2009
1,3-Butadiene	9.74	0.50		ppbv	97%	65 - 135	P9G3107	07-30-2009
1,3-Dichlorobenzene	8.98	0.50		ppbv	90%	65 - 135	P9G3107	07-30-2009
1,4-Dichlorobenzene	8.94	0.50		ppbv	89%	65 - 135	P9G3107	07-30-2009
2,2,4-Trimethylpentane	13.8	0.50	C, L	ppbv	138%	65 - 135	P9G3107	07-30-2009
2-Butanone (MEK)	10.6	1.00		ppbv	106%	65 - 135	P9G3107	07-30-2009
2-Hexanone	13.6	1.00	C, L	ppbv	136%	65 - 135	P9G3107	07-30-2009
2-Propanol	9.54	2.00		ppbv	95%	65 - 135	P9G3107	07-30-2009
4-Ethyltoluene	9.57	0.50		ppbv	96%	65 - 135	P9G3107	07-30-2009
4-Methyl-2-pentanone (MIBK)	13.5	1.00	C	ppbv	135%	65 - 135	P9G3107	07-30-2009
Acetone	11.2	5.00		ppbv	112%	65 - 135	P9G3107	07-30-2009
Allyl Chloride	8.64	0.50		ppbv	86%	65 - 135	P9G3107	07-30-2009
Benzene	8.96	0.50		ppbv	90%	65 - 135	P9G3107	07-30-2009
Benzyl Chloride	9.90	2.00		ppbv	99%	65 - 135	P9G3107	07-30-2009
Bromodichloromethane	11.6	0.50		ppbv	116%	65 - 135	P9G3107	07-30-2009
Bromoethene(Vinyl Bromide)	8.22	0.50		ppbv	82%	65 - 135	P9G3107	07-30-2009
Bromoform	11.2	0.50		ppbv	112%	65 - 135	P9G3107	07-30-2009
Bromomethane	8.44	0.50		ppbv	84%	65 - 135	P9G3107	07-30-2009
Carbon disulfide	8.28	0.50		ppbv	83%	65 - 135	P9G3107	07-30-2009
Carbon tetrachloride	9.10	0.50		ppbv	91%	65 - 135	P9G3107	07-30-2009
Chlorobenzene	9.98	0.50		ppbv	100%	65 - 135	P9G3107	07-30-2009
Chloroethane	8.95	0.50		ppbv	90%	65 - 135	P9G3107	07-30-2009
Chloroform	11.4	0.50		ppbv	114%	65 - 135	P9G3107	07-30-2009
Chloromethane	9.14	0.50		ppbv	91%	65 - 135	P9G3107	07-30-2009
cis-1,2-Dichloroethene	10.4	0.50		ppbv	104%	65 - 135	P9G3107	07-30-2009
cis-1,3-Dichloropropene	11.3	0.50		ppbv	113%	65 - 135	P9G3107	07-30-2009
Cyclohexane	11.8	0.50		ppbv	118%	65 - 135	P9G3107	07-30-2009
Dibromochloromethane	11.3	0.50		ppbv	113%	65 - 135	P9G3107	07-30-2009
Dichlorodifluoromethane	11.4	0.50		ppbv	114%	65 - 135	P9G3107	07-30-2009
Dichlorotetrafluoroethane(F-114)	8.31	0.50		ppbv	83%	65 - 135	P9G3107	07-30-2009
Ethyl Acetate	11.0	0.50		ppbv	110%	65 - 135	P9G3107	07-30-2009
Ethylbenzene	10.0	0.50		ppbv	100%	65 - 135	P9G3107	07-30-2009

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Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
P9G3107-BS1								
Freon 113	8.03	0.50		ppbv	80%	65 - 135	P9G3107	07-30-2009
Heptane	10.8	0.50		ppbv	108%	65 - 135	P9G3107	07-30-2009
Hexachlorobutadiene	7.37	1.00		ppbv	74%	65 - 135	P9G3107	07-30-2009
Hexane	9.36	0.50		ppbv	94%	65 - 135	P9G3107	07-30-2009
m,p-Xylenes	20.2	1.00		ppbv	101%	65 - 135	P9G3107	07-30-2009
Methylene Chloride	12.2	0.50		ppbv	122%	65 - 135	P9G3107	07-30-2009
Methyl-tert-butyl Ether (MTBE)	9.34	1.00		ppbv	93%	65 - 135	P9G3107	07-30-2009
o-Xylene	10.5	0.50		ppbv	105%	65 - 135	P9G3107	07-30-2009
Propene	12.5	0.50		ppbv	125%	65 - 135	P9G3107	07-30-2009
Styrene	10.2	0.50		ppbv	102%	65 - 135	P9G3107	07-30-2009
Tetrachloroethene	11.9	0.50		ppbv	119%	65 - 135	P9G3107	07-30-2009
Tetrahydrofuran	11.8	2.00		ppbv	118%	65 - 135	P9G3107	07-30-2009
Toluene	11.0	0.50		ppbv	110%	65 - 135	P9G3107	07-30-2009
trans-1,2-Dichloroethene	8.25	0.50		ppbv	82%	65 - 135	P9G3107	07-30-2009
trans-1,3-Dichloropropene	11.6	0.50		ppbv	116%	65 - 135	P9G3107	07-30-2009
Trichloroethene	11.9	0.50		ppbv	119%	65 - 135	P9G3107	07-30-2009
Trichlorofluoromethane	8.58	0.50		ppbv	86%	65 - 135	P9G3107	07-30-2009
Vinyl Acetate	10.7	0.50		ppbv	107%	65 - 135	P9G3107	07-30-2009
Vinyl chloride	11.3	0.50		ppbv	113%	65 - 135	P9G3107	07-30-2009
Surrogate: 4-Bromofluorobenzene	10.3	0.50			103%	70 - 130	P9G3107	07-30-2009
P9H0407-BS1								
1,1,1-Trichloroethane	10.8	0.50		ppbv	108%	65 - 135	P9H0407	08-03-2009
1,1,2,2-Tetrachloroethane	9.15	0.50		ppbv	92%	65 - 135	P9H0407	08-03-2009
1,1,2-Trichloroethane	10.1	0.50		ppbv	101%	65 - 135	P9H0407	08-03-2009
1,1-Dichloroethane	9.52	0.50		ppbv	95%	65 - 135	P9H0407	08-03-2009
1,1-Dichloroethene	11.6	0.50		ppbv	116%	65 - 135	P9H0407	08-03-2009
1,2,4-Trichlorobenzene	8.48	2.00		ppbv	85%	65 - 135	P9H0407	08-03-2009
1,2,4-Trimethylbenzene	9.37	0.50		ppbv	94%	65 - 135	P9H0407	08-03-2009
1,2-Dibromoethane (EDB)	10.2	0.50		ppbv	102%	65 - 135	P9H0407	08-03-2009
1,2-Dichlorobenzene	8.61	0.50		ppbv	86%	65 - 135	P9H0407	08-03-2009
1,2-Dichloroethane	9.40	0.50		ppbv	94%	65 - 135	P9H0407	08-03-2009
1,2-Dichloropropane	10.2	0.50		ppbv	102%	65 - 135	P9H0407	08-03-2009
1,3,5-Trimethylbenzene	9.41	0.50		ppbv	94%	65 - 135	P9H0407	08-03-2009
1,3-Butadiene	10.4	0.50		ppbv	104%	65 - 135	P9H0407	08-03-2009
1,3-Dichlorobenzene	8.66	0.50		ppbv	87%	65 - 135	P9H0407	08-03-2009
1,4-Dichlorobenzene	8.72	0.50		ppbv	87%	65 - 135	P9H0407	08-03-2009
2,2,4-Trimethylpentane	10.0	0.50		ppbv	100%	65 - 135	P9H0407	08-03-2009
2-Butanone (MEK)	10.6	1.00		ppbv	106%	65 - 135	P9H0407	08-03-2009

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Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
P9H0407-BS1								
2-Hexanone	12.2	1.00		ppbv	122%	65 - 135	P9H0407	08-03-2009
2-Propanol	11.1	2.00		ppbv	111%	65 - 135	P9H0407	08-03-2009
4-Ethyltoluene	9.48	0.50		ppbv	95%	65 - 135	P9H0407	08-03-2009
4-Methyl-2-pentanone (MIBK)	11.8	1.00		ppbv	118%	65 - 135	P9H0407	08-03-2009
Acetone	10.8	5.00		ppbv	108%	65 - 135	P9H0407	08-03-2009
Allyl Chloride	9.59	0.50		ppbv	96%	65 - 135	P9H0407	08-03-2009
Benzene	8.89	0.50		ppbv	89%	65 - 135	P9H0407	08-03-2009
Benzyl Chloride	10.4	2.00		ppbv	104%	65 - 135	P9H0407	08-03-2009
Bromodichloromethane	10.7	0.50		ppbv	107%	65 - 135	P9H0407	08-03-2009
Bromoethene(Vinyl Bromide)	9.42	0.50		ppbv	94%	65 - 135	P9H0407	08-03-2009
Bromoform	9.47	0.50		ppbv	95%	65 - 135	P9H0407	08-03-2009
Bromomethane	9.38	0.50		ppbv	94%	65 - 135	P9H0407	08-03-2009
Carbon disulfide	9.71	0.50		ppbv	97%	65 - 135	P9H0407	08-03-2009
Carbon tetrachloride	9.77	0.50		ppbv	98%	65 - 135	P9H0407	08-03-2009
Chlorobenzene	9.23	0.50		ppbv	92%	65 - 135	P9H0407	08-03-2009
Chloroethane	9.65	0.50		ppbv	96%	65 - 135	P9H0407	08-03-2009
Chloroform	10.7	0.50		ppbv	107%	65 - 135	P9H0407	08-03-2009
Chloromethane	9.85	0.50		ppbv	98%	65 - 135	P9H0407	08-03-2009
cis-1,2-Dichloroethene	9.15	0.50		ppbv	92%	65 - 135	P9H0407	08-03-2009
cis-1,3-Dichloropropene	10.6	0.50		ppbv	106%	65 - 135	P9H0407	08-03-2009
Cyclohexane	9.67	0.50		ppbv	97%	65 - 135	P9H0407	08-03-2009
Dibromochloromethane	10.2	0.50		ppbv	102%	65 - 135	P9H0407	08-03-2009
Dichlorodifluoromethane	9.51	0.50		ppbv	95%	65 - 135	P9H0407	08-03-2009
Dichlorotetrafluoroethane(F-114)	9.39	0.50		ppbv	94%	65 - 135	P9H0407	08-03-2009
Ethyl Acetate	11.0	0.50		ppbv	110%	65 - 135	P9H0407	08-03-2009
Ethylbenzene	9.30	0.50		ppbv	93%	65 - 135	P9H0407	08-03-2009
Freon 113	9.35	0.50		ppbv	94%	65 - 135	P9H0407	08-03-2009
Heptane	10.6	0.50		ppbv	106%	65 - 135	P9H0407	08-03-2009
Hexachlorobutadiene	8.44	1.00		ppbv	84%	65 - 135	P9H0407	08-03-2009
Hexane	10.1	0.50		ppbv	101%	65 - 135	P9H0407	08-03-2009
m,p-Xylenes	18.9	1.00		ppbv	94%	65 - 135	P9H0407	08-03-2009
Methylene Chloride	9.85	0.50		ppbv	98%	65 - 135	P9H0407	08-03-2009
Methyl-tert-butyl Ether (MTBE)	10.1	1.00		ppbv	101%	65 - 135	P9H0407	08-03-2009
o-Xylene	9.51	0.50		ppbv	95%	65 - 135	P9H0407	08-03-2009
Propene	11.9	0.50		ppbv	119%	65 - 135	P9H0407	08-03-2009
Styrene	9.65	0.50		ppbv	96%	65 - 135	P9H0407	08-03-2009
Tetrachloroethene	11.6	0.50		ppbv	116%	65 - 135	P9H0407	08-03-2009
Tetrahydrofuran	11.0	2.00		ppbv	110%	65 - 135	P9H0407	08-03-2009

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LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
P9H0407-BS1								
Toluene	10.5	0.50		ppbv	105%	65 - 135	P9H0407	08-03-2009
trans-1,2-Dichloroethene	9.39	0.50		ppbv	94%	65 - 135	P9H0407	08-03-2009
trans-1,3-Dichloropropene	10.9	0.50		ppbv	109%	65 - 135	P9H0407	08-03-2009
Trichloroethene	10.8	0.50		ppbv	108%	65 - 135	P9H0407	08-03-2009
Trichlorofluoromethane	9.76	0.50		ppbv	98%	65 - 135	P9H0407	08-03-2009
Vinyl Acetate	11.4	0.50		ppbv	114%	65 - 135	P9H0407	08-03-2009
Vinyl chloride	9.12	0.50		ppbv	91%	65 - 135	P9H0407	08-03-2009
Surrogate: 4-Bromofluorobenzene	10.3	0.50			103%	70 - 130	P9H0407	08-03-2009

LCS Dup

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
P9G2909-BSD1												
1,1,1-Trichloroethane	10.6	0.50		ppbv	10.0	106%	65 - 135	0.9	25	P9G2909		07-27-2009
1,1,2,2-Tetrachloroethane	9.38	0.50		ppbv	10.0	94%	65 - 135	1	25	P9G2909		07-27-2009
1,1,2-Trichloroethane	9.73	0.50		ppbv	10.0	97%	65 - 135	4	25	P9G2909		07-27-2009
1,1-Dichloroethane	8.70	0.50		ppbv	10.0	87%	65 - 135	2	25	P9G2909		07-27-2009
1,1-Dichloroethene	11.0	0.50		ppbv	10.0	110%	65 - 135	0	25	P9G2909		07-27-2009
1,2,4-Trichlorobenzene	7.16	2.00		ppbv	10.0	72%	65 - 135	2	25	P9G2909		07-27-2009
1,2,4-Trimethylbenzene	9.00	0.50		ppbv	10.0	90%	65 - 135	2	25	P9G2909		07-27-2009
1,2-Dibromoethane (EDB)	9.68	0.50		ppbv	10.0	97%	65 - 135	4	25	P9G2909		07-27-2009
1,2-Dichlorobenzene	8.04	0.50		ppbv	10.0	80%	65 - 135	2	25	P9G2909		07-27-2009
1,2-Dichloroethane	9.92	0.50		ppbv	10.0	99%	65 - 135	3	25	P9G2909		07-27-2009
1,2-Dichloropropane	10.1	0.50		ppbv	10.0	101%	65 - 135	3	25	P9G2909		07-27-2009
1,3,5-Trimethylbenzene	9.14	0.50		ppbv	10.0	91%	65 - 135	2	25	P9G2909		07-27-2009
1,3-Butadiene	8.91	0.50		ppbv	10.0	89%	65 - 135	2	25	P9G2909		07-27-2009
1,3-Dichlorobenzene	8.30	0.50		ppbv	10.0	83%	65 - 135	2	25	P9G2909		07-27-2009
1,4-Dichlorobenzene	8.25	0.50		ppbv	10.0	82%	65 - 135	2	25	P9G2909		07-27-2009
2,2,4-Trimethylpentane	11.9	0.50		ppbv	10.0	119%	65 - 135	4	25	P9G2909		07-27-2009
2-Butanone (MEK)	10.2	1.00		ppbv	10.0	102%	65 - 135	2	25	P9G2909		07-27-2009
2-Hexanone	12.3	1.00		ppbv	10.0	123%	65 - 135	6	25	P9G2909		07-27-2009
2-Propanol	10.3	2.00		ppbv	10.0	103%	65 - 135	4	25	P9G2909		07-27-2009
4-Ethyltoluene	8.67	0.50		ppbv	10.0	87%	65 - 135	2	25	P9G2909		07-27-2009
4-Methyl-2-pentanone (MIBK)	12.0	1.00		ppbv	10.0	120%	65 - 135	3	25	P9G2909		07-27-2009
Acetone	11.4	5.00		ppbv	10.0	114%	65 - 135	0.9	25	P9G2909		07-27-2009
Allyl Chloride	8.00	0.50		ppbv	10.0	80%	65 - 135	1	25	P9G2909		07-27-2009
Benzene	9.22	0.50		ppbv	10.0	92%	65 - 135	2	25	P9G2909		07-27-2009
Benzyl Chloride	8.63	2.00		ppbv	10.0	86%	65 - 135	3	25	P9G2909		07-27-2009

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LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
P9G2909-BSD1												
Bromodichloromethane	10.2	0.50		ppbv	10.0	102%	65 - 135	5	25	P9G2909		07-27-2009
Bromoethene(Vinyl Bromide)	7.94	0.50		ppbv	10.0	79%	65 - 135	0.5	25	P9G2909		07-27-2009
Bromoform	10.1	0.50		ppbv	10.0	101%	65 - 135	5	25	P9G2909		07-27-2009
Bromomethane	8.02	0.50		ppbv	10.0	80%	65 - 135	0.7	25	P9G2909		07-27-2009
Carbon disulfide	7.71	0.50		ppbv	10.0	77%	65 - 135	0.5	25	P9G2909		07-27-2009
Carbon tetrachloride	8.43	0.50		ppbv	10.0	84%	65 - 135	0.6	25	P9G2909		07-27-2009
Chlorobenzene	9.03	0.50		ppbv	10.0	90%	65 - 135	2	25	P9G2909		07-27-2009
Chloroethane	8.30	0.50		ppbv	10.0	83%	65 - 135	2	25	P9G2909		07-27-2009
Chloroform	10.7	0.50		ppbv	10.0	107%	65 - 135	0.9	25	P9G2909		07-27-2009
Chloromethane	8.56	0.50		ppbv	10.0	86%	65 - 135	0.6	25	P9G2909		07-27-2009
cis-1,2-Dichloroethene	9.63	0.50		ppbv	10.0	96%	65 - 135	0.9	25	P9G2909		07-27-2009
cis-1,3-Dichloropropene	10.2	0.50		ppbv	10.0	102%	65 - 135	3	25	P9G2909		07-27-2009
Cyclohexane	10.9	0.50		ppbv	10.0	109%	65 - 135	0	25	P9G2909		07-27-2009
Dibromochloromethane	10.2	0.50		ppbv	10.0	102%	65 - 135	4	25	P9G2909		07-27-2009
Dichlorodifluoromethane	10.5	0.50		ppbv	10.0	105%	65 - 135	0.9	25	P9G2909		07-27-2009
Dichlorotetrafluoroethane(F-114)	7.75	0.50		ppbv	10.0	78%	65 - 135	0.5	25	P9G2909		07-27-2009
Ethyl Acetate	10.6	0.50		ppbv	10.0	106%	65 - 135	0	25	P9G2909		07-27-2009
Ethylbenzene	9.17	0.50		ppbv	10.0	92%	65 - 135	2	25	P9G2909		07-27-2009
Freon 113	7.44	0.50		ppbv	10.0	74%	65 - 135	0.7	25	P9G2909		07-27-2009
Heptane	9.37	0.50		ppbv	10.0	94%	65 - 135	3	25	P9G2909		07-27-2009
Hexachlorobutadiene	7.10	1.00		ppbv	10.0	71%	65 - 135	2	25	P9G2909		07-27-2009
Hexane	8.80	0.50		ppbv	10.0	88%	65 - 135	0	25	P9G2909		07-27-2009
m,p-Xylenes	18.4	1.00		ppbv	20.0	92%	65 - 135	4	25	P9G2909		07-27-2009
Methylene Chloride	11.5	0.50		ppbv	10.0	115%	65 - 135	0	25	P9G2909		07-27-2009
Methyl-tert-butyl Ether (MTBE)	9.08	1.00		ppbv	10.0	91%	65 - 135	0.6	25	P9G2909		07-27-2009
o-Xylene	9.65	0.50		ppbv	10.0	96%	65 - 135	2	25	P9G2909		07-27-2009
Propene	11.6	0.50		ppbv	10.0	116%	65 - 135	0.9	25	P9G2909		07-27-2009
Styrene	9.38	0.50		ppbv	10.0	94%	65 - 135	2	25	P9G2909		07-27-2009
Tetrachloroethene	10.3	0.50		ppbv	10.0	103%	65 - 135	4	25	P9G2909		07-27-2009
Tetrahydrofuran	11.4	2.00		ppbv	10.0	114%	65 - 135	0	25	P9G2909		07-27-2009
Toluene	9.95	0.50		ppbv	10.0	100%	65 - 135	3	25	P9G2909		07-27-2009
trans-1,2-Dichloroethene	7.70	0.50		ppbv	10.0	77%	65 - 135	0.1	25	P9G2909		07-27-2009
trans-1,3-Dichloropropene	10.5	0.50		ppbv	10.0	105%	65 - 135	4	25	P9G2909		07-27-2009
Trichloroethene	10.4	0.50		ppbv	10.0	104%	65 - 135	5	25	P9G2909		07-27-2009
Trichlorofluoromethane	8.18	0.50		ppbv	10.0	82%	65 - 135	0.9	25	P9G2909		07-27-2009
Vinyl Acetate	10.6	0.50		ppbv	10.0	106%	65 - 135	0.9	25	P9G2909		07-27-2009
Vinyl chloride	10.4	0.50		ppbv	10.0	104%	65 - 135	1	25	P9G2909		07-27-2009
Surrogate: 4-Bromofluorobenzene	10.3	0.50		ppbv	10.0	103%	70 - 130			P9G2909		07-27-2009
P9G3011-BSD1												
1,1,1-Trichloroethane	11.2	0.50		ppbv	10.0	112%	65 - 135	3	25	P9G3011		07-29-2009

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LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
P9G3011-BSD1												
1,1,2,2-Tetrachloroethane	10.1	0.50		ppbv	10.0	101%	65 - 135	4	25	P9G3011		07-29-2009
1,1,2-Trichloroethane	10.3	0.50		ppbv	10.0	103%	65 - 135	7	25	P9G3011		07-29-2009
1,1-Dichloroethane	9.15	0.50		ppbv	10.0	92%	65 - 135	2	25	P9G3011		07-29-2009
1,1-Dichloroethene	11.7	0.50		ppbv	10.0	117%	65 - 135	3	25	P9G3011		07-29-2009
1,2,4-Trichlorobenzene	7.43	2.00		ppbv	10.0	74%	65 - 135	6	25	P9G3011		07-29-2009
1,2,4-Trimethylbenzene	9.69	0.50		ppbv	10.0	97%	65 - 135	4	25	P9G3011		07-29-2009
1,2-Dibromoethane (EDB)	10.2	0.50		ppbv	10.0	102%	65 - 135	5	25	P9G3011		07-29-2009
1,2-Dichlorobenzene	8.51	0.50		ppbv	10.0	85%	65 - 135	4	25	P9G3011		07-29-2009
1,2-Dichloroethane	9.87	0.50		ppbv	10.0	99%	65 - 135	1	25	P9G3011		07-29-2009
1,2-Dichloropropane	10.7	0.50		ppbv	10.0	107%	65 - 135	5	25	P9G3011		07-29-2009
1,3,5-Trimethylbenzene	9.84	0.50		ppbv	10.0	98%	65 - 135	4	25	P9G3011		07-29-2009
1,3-Butadiene	9.63	0.50		ppbv	10.0	96%	65 - 135	2	25	P9G3011		07-29-2009
1,3-Dichlorobenzene	8.81	0.50		ppbv	10.0	88%	65 - 135	4	25	P9G3011		07-29-2009
1,4-Dichlorobenzene	8.71	0.50		ppbv	10.0	87%	65 - 135	3	25	P9G3011		07-29-2009
2,2,4-Trimethylpentane	12.8	0.50		ppbv	10.0	128%	65 - 135	4	25	P9G3011		07-29-2009
2-Butanone (MEK)	10.5	1.00		ppbv	10.0	105%	65 - 135	5	25	P9G3011		07-29-2009
2-Hexanone	12.9	1.00		ppbv	10.0	129%	65 - 135	7	25	P9G3011		07-29-2009
2-Propanol	9.53	2.00		ppbv	10.0	95%	65 - 135	5	25	P9G3011		07-29-2009
4-Ethyltoluene	9.37	0.50		ppbv	10.0	94%	65 - 135	4	25	P9G3011		07-29-2009
4-Methyl-2-pentanone (MIBK)	12.9	1.00		ppbv	10.0	129%	65 - 135	7	25	P9G3011		07-29-2009
Acetone	11.6	5.00		ppbv	10.0	116%	65 - 135	6	25	P9G3011		07-29-2009
Allyl Chloride	8.54	0.50		ppbv	10.0	85%	65 - 135	3	25	P9G3011		07-29-2009
Benzene	9.41	0.50		ppbv	10.0	94%	65 - 135	2	25	P9G3011		07-29-2009
Benzyl Chloride	9.63	2.00		ppbv	10.0	96%	65 - 135	6	25	P9G3011		07-29-2009
Bromodichloromethane	11.1	0.50		ppbv	10.0	111%	65 - 135	6	25	P9G3011		07-29-2009
Bromoethene(Vinyl Bromide)	8.18	0.50		ppbv	10.0	82%	65 - 135	2	25	P9G3011		07-29-2009
Bromoform	10.8	0.50		ppbv	10.0	108%	65 - 135	4	25	P9G3011		07-29-2009
Bromomethane	8.37	0.50		ppbv	10.0	84%	65 - 135	2	25	P9G3011		07-29-2009
Carbon disulfide	8.20	0.50		ppbv	10.0	82%	65 - 135	2	25	P9G3011		07-29-2009
Carbon tetrachloride	9.10	0.50		ppbv	10.0	91%	65 - 135	3	25	P9G3011		07-29-2009
Chlorobenzene	9.71	0.50		ppbv	10.0	97%	65 - 135	3	25	P9G3011		07-29-2009
Chloroethane	8.75	0.50		ppbv	10.0	88%	65 - 135	0.9	25	P9G3011		07-29-2009
Chloroform	11.3	0.50		ppbv	10.0	113%	65 - 135	3	25	P9G3011		07-29-2009
Chloromethane	9.02	0.50		ppbv	10.0	90%	65 - 135	2	25	P9G3011		07-29-2009
cis-1,2-Dichloroethene	10.2	0.50		ppbv	10.0	102%	65 - 135	2	25	P9G3011		07-29-2009
cis-1,3-Dichloropropene	10.8	0.50		ppbv	10.0	108%	65 - 135	5	25	P9G3011		07-29-2009
Cyclohexane	11.6	0.50		ppbv	10.0	116%	65 - 135	2	25	P9G3011		07-29-2009
Dibromochloromethane	10.8	0.50		ppbv	10.0	108%	65 - 135	6	25	P9G3011		07-29-2009
Dichlorodifluoromethane	11.3	0.50		ppbv	10.0	113%	65 - 135	2	25	P9G3011		07-29-2009
Dichlorotetrafluoroethane(F-114)	8.23	0.50		ppbv	10.0	82%	65 - 135	2	25	P9G3011		07-29-2009
Ethyl Acetate	11.0	0.50		ppbv	10.0	110%	65 - 135	5	25	P9G3011		07-29-2009

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LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
P9G3011-BSD1												
Ethylbenzene	9.81	0.50		ppbv	10.0	98%	65 - 135	4	25	P9G3011		07-29-2009
Freon 113	7.93	0.50		ppbv	10.0	79%	65 - 135	2	25	P9G3011		07-29-2009
Heptane	10.0	0.50		ppbv	10.0	100%	65 - 135	5	25	P9G3011		07-29-2009
Hexachlorobutadiene	7.37	1.00		ppbv	10.0	74%	65 - 135	5	25	P9G3011		07-29-2009
Hexane	9.26	0.50		ppbv	10.0	93%	65 - 135	3	25	P9G3011		07-29-2009
m,p-Xylenes	19.8	1.00		ppbv	20.0	99%	65 - 135	4	25	P9G3011		07-29-2009
Methylene Chloride	12.1	0.50		ppbv	10.0	121%	65 - 135	3	25	P9G3011		07-29-2009
Methyl-tert-butyl Ether (MTBE)	9.43	1.00		ppbv	10.0	94%	65 - 135	4	25	P9G3011		07-29-2009
o-Xylene	10.3	0.50		ppbv	10.0	103%	65 - 135	4	25	P9G3011		07-29-2009
Propene	12.1	0.50		ppbv	10.0	121%	65 - 135	0	25	P9G3011		07-29-2009
Styrene	9.96	0.50		ppbv	10.0	100%	65 - 135	4	25	P9G3011		07-29-2009
Tetrachloroethene	11.2	0.50		ppbv	10.0	112%	65 - 135	5	25	P9G3011		07-29-2009
Tetrahydrofuran	11.7	2.00		ppbv	10.0	117%	65 - 135	4	25	P9G3011		07-29-2009
Toluene	10.5	0.50		ppbv	10.0	105%	65 - 135	6	25	P9G3011		07-29-2009
trans-1,2-Dichloroethene	8.22	0.50		ppbv	10.0	82%	65 - 135	3	25	P9G3011		07-29-2009
trans-1,3-Dichloropropene	11.2	0.50		ppbv	10.0	112%	65 - 135	6	25	P9G3011		07-29-2009
Trichloroethene	11.2	0.50		ppbv	10.0	112%	65 - 135	5	25	P9G3011		07-29-2009
Trichlorofluoromethane	8.52	0.50		ppbv	10.0	85%	65 - 135	2	25	P9G3011		07-29-2009
Vinyl Acetate	10.8	0.50		ppbv	10.0	108%	65 - 135	4	25	P9G3011		07-29-2009
Vinyl chloride	11.1	0.50		ppbv	10.0	111%	65 - 135	2	25	P9G3011		07-29-2009
Surrogate: 4-Bromofluorobenzene	10.3	0.50		ppbv	10.0	103%	70 - 130			P9G3011		07-29-2009
P9G3107-BSD1												
1,1,1-Trichloroethane	11.3	0.50		ppbv	10.0	113%	65 - 135	0.9	25	P9G3107		07-30-2009
1,1,2,2-Tetrachloroethane	10.6	0.50		ppbv	10.0	106%	65 - 135	0.9	25	P9G3107		07-30-2009
1,1,2-Trichloroethane	10.7	0.50		ppbv	10.0	107%	65 - 135	0	25	P9G3107		07-30-2009
1,1-Dichloroethane	9.22	0.50		ppbv	10.0	92%	65 - 135	0.9	25	P9G3107		07-30-2009
1,1-Dichloroethene	12.0	0.50		ppbv	10.0	120%	65 - 135	0.8	25	P9G3107		07-30-2009
1,2,4-Trichlorobenzene	7.59	2.00		ppbv	10.0	76%	65 - 135	2	25	P9G3107		07-30-2009
1,2,4-Trimethylbenzene	10.0	0.50		ppbv	10.0	100%	65 - 135	0.4	25	P9G3107		07-30-2009
1,2-Dibromoethane (EDB)	10.7	0.50		ppbv	10.0	107%	65 - 135	0	25	P9G3107		07-30-2009
1,2-Dichlorobenzene	8.87	0.50		ppbv	10.0	89%	65 - 135	0.7	25	P9G3107		07-30-2009
1,2-Dichloroethane	9.67	0.50		ppbv	10.0	97%	65 - 135	0.4	25	P9G3107		07-30-2009
1,2-Dichloropropane	11.2	0.50		ppbv	10.0	112%	65 - 135	0	25	P9G3107		07-30-2009
1,3,5-Trimethylbenzene	10.2	0.50		ppbv	10.0	102%	65 - 135	1	25	P9G3107		07-30-2009
1,3-Butadiene	9.76	0.50		ppbv	10.0	98%	65 - 135	0.2	25	P9G3107		07-30-2009
1,3-Dichlorobenzene	9.08	0.50		ppbv	10.0	91%	65 - 135	1	25	P9G3107		07-30-2009
1,4-Dichlorobenzene	9.05	0.50		ppbv	10.0	90%	65 - 135	1	25	P9G3107		07-30-2009
2,2,4-Trimethylpentane	13.9	0.50	C, L	ppbv	10.0	139%	65 - 135	0.7	25	P9G3107		07-30-2009
2-Butanone (MEK)	10.7	1.00		ppbv	10.0	107%	65 - 135	0.9	25	P9G3107		07-30-2009
2-Hexanone	14.0	1.00	C, L	ppbv	10.0	140%	65 - 135	3	25	P9G3107		07-30-2009

TestAmerica Nashville
2960 Foster Creighton Drive
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Work Order: PSG0612
Project: N_ExxonMobil Buffalo
Project Number: Former Exxon Buffalo Terminal

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Reported: 08/05/09 17:06

LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
P9G3107-BSD1												
2-Propanol	9.62	2.00		ppbv	10.0	96%	65 - 135	0.8	25	P9G3107		07-30-2009
4-Ethyltoluene	9.73	0.50		ppbv	10.0	97%	65 - 135	2	25	P9G3107		07-30-2009
4-Methyl-2-pentanone (MIBK)	13.9	1.00	C, L	ppbv	10.0	139%	65 - 135	3	25	P9G3107		07-30-2009
Acetone	11.4	5.00		ppbv	10.0	114%	65 - 135	2	25	P9G3107		07-30-2009
Allyl Chloride	8.56	0.50		ppbv	10.0	86%	65 - 135	0.9	25	P9G3107		07-30-2009
Benzene	8.94	0.50		ppbv	10.0	89%	65 - 135	0.2	25	P9G3107		07-30-2009
Benzyl Chloride	10.1	2.00		ppbv	10.0	101%	65 - 135	2	25	P9G3107		07-30-2009
Bromodichloromethane	11.6	0.50		ppbv	10.0	116%	65 - 135	0	25	P9G3107		07-30-2009
Bromoethene(Vinyl Bromide)	8.20	0.50		ppbv	10.0	82%	65 - 135	0.2	25	P9G3107		07-30-2009
Bromoform	11.3	0.50		ppbv	10.0	113%	65 - 135	0.9	25	P9G3107		07-30-2009
Bromomethane	8.42	0.50		ppbv	10.0	84%	65 - 135	0.2	25	P9G3107		07-30-2009
Carbon disulfide	8.27	0.50		ppbv	10.0	83%	65 - 135	0.1	25	P9G3107		07-30-2009
Carbon tetrachloride	9.23	0.50		ppbv	10.0	92%	65 - 135	1	25	P9G3107		07-30-2009
Chlorobenzene	9.94	0.50		ppbv	10.0	99%	65 - 135	0.4	25	P9G3107		07-30-2009
Chloroethane	8.90	0.50		ppbv	10.0	89%	65 - 135	0.6	25	P9G3107		07-30-2009
Chloroform	11.4	0.50		ppbv	10.0	114%	65 - 135	0	25	P9G3107		07-30-2009
Chloromethane	9.11	0.50		ppbv	10.0	91%	65 - 135	0.3	25	P9G3107		07-30-2009
cis-1,2-Dichloroethene	10.3	0.50		ppbv	10.0	103%	65 - 135	1	25	P9G3107		07-30-2009
cis-1,3-Dichloropropene	11.4	0.50		ppbv	10.0	114%	65 - 135	0.9	25	P9G3107		07-30-2009
Cyclohexane	11.8	0.50		ppbv	10.0	118%	65 - 135	0	25	P9G3107		07-30-2009
Dibromochloromethane	11.4	0.50		ppbv	10.0	114%	65 - 135	0.9	25	P9G3107		07-30-2009
Dichlorodifluoromethane	11.4	0.50		ppbv	10.0	114%	65 - 135	0	25	P9G3107		07-30-2009
Dichlorotetrafluoroethane(F-114)	8.34	0.50		ppbv	10.0	83%	65 - 135	0.4	25	P9G3107		07-30-2009
Ethyl Acetate	11.2	0.50		ppbv	10.0	112%	65 - 135	2	25	P9G3107		07-30-2009
Ethylbenzene	10.0	0.50		ppbv	10.0	100%	65 - 135	0	25	P9G3107		07-30-2009
Freon 113	8.02	0.50		ppbv	10.0	80%	65 - 135	0.1	25	P9G3107		07-30-2009
Heptane	10.7	0.50		ppbv	10.0	107%	65 - 135	0.9	25	P9G3107		07-30-2009
Hexachlorobutadiene	7.50	1.00		ppbv	10.0	75%	65 - 135	2	25	P9G3107		07-30-2009
Hexane	9.40	0.50		ppbv	10.0	94%	65 - 135	0.4	25	P9G3107		07-30-2009
m,p-Xylenes	19.7	1.00		ppbv	20.0	98%	65 - 135	3	25	P9G3107		07-30-2009
Methylene Chloride	12.2	0.50		ppbv	10.0	122%	65 - 135	0	25	P9G3107		07-30-2009
Methyl-tert-butyl Ether (MTBE)	9.52	1.00		ppbv	10.0	95%	65 - 135	2	25	P9G3107		07-30-2009
o-Xylene	10.6	0.50		ppbv	10.0	106%	65 - 135	0.9	25	P9G3107		07-30-2009
Propene	12.4	0.50		ppbv	10.0	124%	65 - 135	0.8	25	P9G3107		07-30-2009
Styrene	10.3	0.50		ppbv	10.0	103%	65 - 135	1	25	P9G3107		07-30-2009
Tetrachloroethene	11.8	0.50		ppbv	10.0	118%	65 - 135	0.8	25	P9G3107		07-30-2009
Tetrahydrofuran	11.8	2.00		ppbv	10.0	118%	65 - 135	0	25	P9G3107		07-30-2009
Toluene	11.0	0.50		ppbv	10.0	110%	65 - 135	0	25	P9G3107		07-30-2009
trans-1,2-Dichloroethene	8.31	0.50		ppbv	10.0	83%	65 - 135	0.7	25	P9G3107		07-30-2009
trans-1,3-Dichloropropene	11.7	0.50		ppbv	10.0	117%	65 - 135	0.9	25	P9G3107		07-30-2009
Trichloroethene	11.9	0.50		ppbv	10.0	119%	65 - 135	0	25	P9G3107		07-30-2009

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Work Order: PSG0612
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Reported: 08/05/09 17:06

LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
P9G3107-BSD1												
Trichlorofluoromethane	8.65	0.50		ppbv	10.0	86%	65 - 135	0.8	25	P9G3107		07-30-2009
Vinyl Acetate	10.9	0.50		ppbv	10.0	109%	65 - 135	2	25	P9G3107		07-30-2009
Vinyl chloride	11.4	0.50		ppbv	10.0	114%	65 - 135	0.9	25	P9G3107		07-30-2009
Surrogate: 4-Bromofluorobenzene	10.3	0.50		ppbv	10.0	103%	70 - 130			P9G3107		07-30-2009
P9H0407-BSD1												
1,1,1-Trichloroethane	10.9	0.50		ppbv	10.0	109%	65 - 135	0.9	25	P9H0407		08-03-2009
1,1,2,2-Tetrachloroethane	9.54	0.50		ppbv	10.0	95%	65 - 135	4	25	P9H0407		08-03-2009
1,1,2-Trichloroethane	10.3	0.50		ppbv	10.0	103%	65 - 135	2	25	P9H0407		08-03-2009
1,1-Dichloroethane	9.60	0.50		ppbv	10.0	96%	65 - 135	0.8	25	P9H0407		08-03-2009
1,1-Dichloroethene	11.7	0.50		ppbv	10.0	117%	65 - 135	0.9	25	P9H0407		08-03-2009
1,2,4-Trichlorobenzene	9.04	2.00		ppbv	10.0	90%	65 - 135	6	25	P9H0407		08-03-2009
1,2,4-Trimethylbenzene	9.74	0.50		ppbv	10.0	97%	65 - 135	4	25	P9H0407		08-03-2009
1,2-Dibromoethane (EDB)	10.4	0.50		ppbv	10.0	104%	65 - 135	2	25	P9H0407		08-03-2009
1,2-Dichlorobenzene	9.07	0.50		ppbv	10.0	91%	65 - 135	5	25	P9H0407		08-03-2009
1,2-Dichloroethane	9.53	0.50		ppbv	10.0	95%	65 - 135	1	25	P9H0407		08-03-2009
1,2-Dichloropropane	10.4	0.50		ppbv	10.0	104%	65 - 135	2	25	P9H0407		08-03-2009
1,3,5-Trimethylbenzene	9.78	0.50		ppbv	10.0	98%	65 - 135	4	25	P9H0407		08-03-2009
1,3-Butadiene	10.6	0.50		ppbv	10.0	106%	65 - 135	2	25	P9H0407		08-03-2009
1,3-Dichlorobenzene	9.04	0.50		ppbv	10.0	90%	65 - 135	4	25	P9H0407		08-03-2009
1,4-Dichlorobenzene	9.07	0.50		ppbv	10.0	91%	65 - 135	4	25	P9H0407		08-03-2009
2,2,4-Trimethylpentane	10.2	0.50		ppbv	10.0	102%	65 - 135	2	25	P9H0407		08-03-2009
2-Butanone (MEK)	10.7	1.00		ppbv	10.0	107%	65 - 135	0.9	25	P9H0407		08-03-2009
2-Hexanone	12.9	1.00		ppbv	10.0	129%	65 - 135	6	25	P9H0407		08-03-2009
2-Propanol	11.4	2.00		ppbv	10.0	114%	65 - 135	3	25	P9H0407		08-03-2009
4-Ethyltoluene	9.83	0.50		ppbv	10.0	98%	65 - 135	4	25	P9H0407		08-03-2009
4-Methyl-2-pentanone (MIBK)	12.2	1.00		ppbv	10.0	122%	65 - 135	3	25	P9H0407		08-03-2009
Acetone	11.1	5.00		ppbv	10.0	111%	65 - 135	3	25	P9H0407		08-03-2009
Allyl Chloride	9.64	0.50		ppbv	10.0	96%	65 - 135	0.5	25	P9H0407		08-03-2009
Benzene	9.03	0.50		ppbv	10.0	90%	65 - 135	2	25	P9H0407		08-03-2009
Benzyl Chloride	10.9	2.00		ppbv	10.0	109%	65 - 135	5	25	P9H0407		08-03-2009
Bromodichloromethane	10.9	0.50		ppbv	10.0	109%	65 - 135	2	25	P9H0407		08-03-2009
Bromoethene(Vinyl Bromide)	9.62	0.50		ppbv	10.0	96%	65 - 135	2	25	P9H0407		08-03-2009
Bromoform	9.84	0.50		ppbv	10.0	98%	65 - 135	4	25	P9H0407		08-03-2009
Bromomethane	9.66	0.50		ppbv	10.0	97%	65 - 135	3	25	P9H0407		08-03-2009
Carbon disulfide	9.89	0.50		ppbv	10.0	99%	65 - 135	2	25	P9H0407		08-03-2009
Carbon tetrachloride	9.86	0.50		ppbv	10.0	99%	65 - 135	0.9	25	P9H0407		08-03-2009
Chlorobenzene	9.50	0.50		ppbv	10.0	95%	65 - 135	3	25	P9H0407		08-03-2009
Chloroethane	9.82	0.50		ppbv	10.0	98%	65 - 135	2	25	P9H0407		08-03-2009
Chloroform	10.8	0.50		ppbv	10.0	108%	65 - 135	0.9	25	P9H0407		08-03-2009
Chloromethane	9.97	0.50		ppbv	10.0	100%	65 - 135	1	25	P9H0407		08-03-2009

TestAmerica Nashville
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Gail Lage

Work Order: PSG0612
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Reported: 08/05/09 17:06

LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
P9H0407-BSD1												
cis-1,2-Dichloroethene	9.20	0.50		ppbv	10.0	92%	65 - 135	0.5	25	P9H0407		08-03-2009
cis-1,3-Dichloropropene	10.9	0.50		ppbv	10.0	109%	65 - 135	3	25	P9H0407		08-03-2009
Cyclohexane	9.80	0.50		ppbv	10.0	98%	65 - 135	1	25	P9H0407		08-03-2009
Dibromochloromethane	10.3	0.50		ppbv	10.0	103%	65 - 135	1	25	P9H0407		08-03-2009
Dichlorodifluoromethane	9.66	0.50		ppbv	10.0	97%	65 - 135	2	25	P9H0407		08-03-2009
Dichlorotetrafluoroethane(F-114)	9.53	0.50		ppbv	10.0	95%	65 - 135	1	25	P9H0407		08-03-2009
Ethyl Acetate	11.2	0.50		ppbv	10.0	112%	65 - 135	2	25	P9H0407		08-03-2009
Ethylbenzene	9.76	0.50		ppbv	10.0	98%	65 - 135	5	25	P9H0407		08-03-2009
Freon 113	9.60	0.50		ppbv	10.0	96%	65 - 135	3	25	P9H0407		08-03-2009
Heptane	10.6	0.50		ppbv	10.0	106%	65 - 135	0	25	P9H0407		08-03-2009
Hexachlorobutadiene	8.82	1.00		ppbv	10.0	88%	65 - 135	4	25	P9H0407		08-03-2009
Hexane	10.2	0.50		ppbv	10.0	102%	65 - 135	1	25	P9H0407		08-03-2009
m,p-Xylenes	19.6	1.00		ppbv	20.0	98%	65 - 135	4	25	P9H0407		08-03-2009
Methylene Chloride	9.93	0.50		ppbv	10.0	99%	65 - 135	0.8	25	P9H0407		08-03-2009
Methyl-tert-butyl Ether (MTBE)	10.4	1.00		ppbv	10.0	104%	65 - 135	3	25	P9H0407		08-03-2009
o-Xylene	9.94	0.50		ppbv	10.0	99%	65 - 135	4	25	P9H0407		08-03-2009
Propene	12.1	0.50		ppbv	10.0	121%	65 - 135	2	25	P9H0407		08-03-2009
Styrene	9.97	0.50		ppbv	10.0	100%	65 - 135	3	25	P9H0407		08-03-2009
Tetrachloroethene	11.9	0.50		ppbv	10.0	119%	65 - 135	3	25	P9H0407		08-03-2009
Tetrahydrofuran	11.2	2.00		ppbv	10.0	112%	65 - 135	2	25	P9H0407		08-03-2009
Toluene	10.7	0.50		ppbv	10.0	107%	65 - 135	2	25	P9H0407		08-03-2009
trans-1,2-Dichloroethene	9.54	0.50		ppbv	10.0	95%	65 - 135	2	25	P9H0407		08-03-2009
trans-1,3-Dichloropropene	11.4	0.50		ppbv	10.0	114%	65 - 135	4	25	P9H0407		08-03-2009
Trichloroethene	11.0	0.50		ppbv	10.0	110%	65 - 135	2	25	P9H0407		08-03-2009
Trichlorofluoromethane	9.99	0.50		ppbv	10.0	100%	65 - 135	2	25	P9H0407		08-03-2009
Vinyl Acetate	11.8	0.50		ppbv	10.0	118%	65 - 135	3	25	P9H0407		08-03-2009
Vinyl chloride	9.35	0.50		ppbv	10.0	94%	65 - 135	2	25	P9H0407		08-03-2009
Surrogate: 4-Bromofluorobenzene	10.4	0.50		ppbv	10.0	104%	70 - 130			P9H0407		08-03-2009

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
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TestAmerica Nashville	Work Order:	PSG0612	Received: 07/10/09
2960 Foster Creighton Drive			Reported: 08/05/09 17:06
Nashville, TN 37204	Project:	N_ExxonMobil Buffalo	
Gail Lage	Project Number:	Former Exxon Buffalo Terminal	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6001, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7600, NIOSH 7903, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

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4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville	Work Order:	PSG0612	Received: 07/10/09
2960 Foster Creighton Drive			Reported: 08/05/09 17:06
Nashville, TN 37204	Project:	N_ExxonMobil Buffalo	
Gail Lage	Project Number:	Former Exxon Buffalo Terminal	

DATA QUALIFIERS AND DEFINITIONS

C Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

J Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.

L Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.

ADDITIONAL COMMENTS

TestAmerica Los Angeles
3585 Cadillac Ave., Suite A
Costa Mesa, CA 92626
Phone 714-258-8610 Fax 714-258-0921

Canister Samples Chain of Custody Record

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1 of 2 COCs

Client Contact Information	Project Manager: Noelle Clarke	Samples Collected By: Jen Siniscalchi / Tom Palmer
Company: Roux Associates	Phone: 631-232-2600	
Address: 209 Shafter Street	Email:	
City/State/Zip: Islandia, NY 11749	Site Contact: Andy Janik	
Phone: 631-232-2600	LAB Contact:	
FAX:	Analysis Turnaround Time	
Project Name: Former Xom Buff. Terminal	Standard (Specify) 14 day	
Site: 625 Elk St. Buffalo, NY	Rush (Specify)	
PO #		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	TO-3	EPA-3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SV-1	7/7/09	0808	1648	30	4	08083	1050C	X					X					X		PSG0612-1
SV-14		0835	1719	29.5	3.5	08082	1249													-2
SV-15		0842	1724	30	4	08076	2351													-3
SV-16		0817	1640	29	4	08094	2779													-4
SV-17		0859	1733	30	4	08090	2914													-5
SV-18		0907	1736	30	4	08101	2362													-6

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	Date/Time:	Samples Received by:	
Samples Relinquished by: Jen Siniscalchi	Date/Time: 7/9/09 1630	Received by:	
Relinquished by:	Date/Time:	Received by: Paul Hamm	7/10/09 1030

Lab Use Only Shipper Name: Opened by: Condition: 20.0°C/1mR

TestAmerica Los Angeles
3585 Cadillac Ave., Suite A
Costa Mesa, CA 92626
Phone 714-258-8610 Fax 714-258-0921

Canister Samples Chain of Custody Record

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2 of 2 COCs

Client Contact Information	Project Manager: Noelle Clarke
Company: Roux Associates	Phone: 631-232-2600
Address: 209 Shafter Street	Email:
City/State/Zip: Islandia, NY 11749	Site Contact: Andy Janik
Phone: 631-232-2600	LAB Contact:
FAX:	Analysis Turnaround Time
Project Name: former Xom Buff. Terminal	Standard (Specify) 14-day
Site: 625 Elk St. Buffalo, NY	Rush (Specify)
PO #	

Samples Collected By: Jen Siriscalchi / Tom Palmer

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	TO-3	EPA-3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type: Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SV-19	7/7/09	0851	1729	29	4	08006	1256	X	PS	06	6L-7		X				X		
Ambient Air 1	↓	0828	1641	29	2	08013	2253	X		↑		-8	X			X			
SV-13	7/8/09	0820	1458	29	1	08021	1288	X				-9	X				X		
Duplicate		0852	1757	30	4	08065	1098C	X				-10	X				X		
Ambient Air 2	↓	0832	1737	29	4	08088	1052C	X		↓		-11	X			X			

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	Date/Time:	Samples Received by:	
Samples Relinquished by: JJ Siriscalchi	Date/Time: 7/9/09 1630	Received by:	
Relinquished by:	Date/Time:	Received by: Paul Hamm	7/10/09 1030

Lab Use Only Shipper Name: Opened by: Condition: 20.0°C/AMB

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

August 06, 2009

LABORATORY REPORT

Client:
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Attn: Gail Lage

Work Order:	PSG0612
Project Name:	N_ExxonMobil Buffalo
Project Number:	Former Exxon Buffalo Terminal
Date Received:	07/10/09

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report. This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE: SAMPLE RECEIPT: Samples were received intact, at 20°C and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: No significant observations were made.

SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

NOTE: This report is a revision of the original dated 08/05.09, to add results calculated in mg/m3.

Approved By:

Denise Harrington
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Gail Lage

Work Order: PSG0612
Project: N_ExxonMobil Buffalo
Project Number: Former Exxon Buffalo Terminal

Received: 07/10/09
Reported: 08/06/09 11:13

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
NSG0861-01 (SV-1)	PSG0612-01	07/07/09	Summa Canister
NSG0861-02 (SV-14)	PSG0612-02	07/07/09	Summa Canister
NSG0861-03 (SV-15)	PSG0612-03	07/07/09	Summa Canister
NSG0861-04 (SV-16)	PSG0612-04	07/07/09	Summa Canister
NSG0861-05 (SV-17)	PSG0612-05	07/07/09	Summa Canister
NSG0861-06 (SV-18)	PSG0612-06	07/07/09	Summa Canister
NSG0861-07 (SV-19)	PSG0612-07	07/07/09	Summa Canister
NSG0861-08 (Ambient Air 1)	PSG0612-08	07/07/09	Summa Canister
NSG0861-09 (SV-13)	PSG0612-09	07/08/09	Summa Canister
NSG0861-10 (Duplicate)	PSG0612-10	07/08/09	Summa Canister
NSG0861-11 (Ambient Air 2)	PSG0612-11	07/08/09	Summa Canister

TestAmerica
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TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Gail Lage

Work Order: PSG0612
Project: N_ExxonMobil Buffalo
Project Number: Former Exxon Buffalo Terminal

Received: 07/10/09
Reported: 08/06/09 11:13

ANALYTICAL REPORT

	ppmv		mg/m3		Data		Date		
	Result	PQL	Result	PQL	Qualifiers	Dilution	Analyzed	Analyst	Method
Fixed Gases by EPA 3C/ASTM D-1946									
Sample ID: PSG0612-01 (NSG0861-01 (SV-1))									**Sampled: 07/07/09 16:48**
Hydrogen	<367.0	367.0	<30.26	30.26		1.0	7/29/2009	ZN	3C/D-1946
Carbon Monoxide	<14.80	14.80	<16.95	16.95		1.0	7/29/2009	ZN	3C/D-1946
Methane	**7007**	**14.68**	**4600**	**9.632**		**1.0**	**7/29/2009**	**ZN**	**3C/D-1946**
Carbon Dioxide	**2568**	**14.80**	**4620**	**26.64**		**1.0**	**7/29/2009**	**ZN**	**3C/D-1946**
Sample ID: PSG0612-01RE1 (NSG0861-01 (SV-1))									**Sampled: 07/07/09 16:48**
Oxygen	**196400**	**18430**	**257000**	**24120**	**RL7**	**1.0**	**7/29/2009**	**ZN**	**3C/D-1946**
Nitrogen	**768400**	**18350**	**880000**	**21020**	**B3, RL7**	**1.0**	**7/29/2009**	**ZN**	**3C/D-1946**
Sample ID: PSG0612-02 (NSG0861-02 (SV-14))									**Sampled: 07/07/09 17:19**
Hydrogen	<364.6	364.6	<30.06	30.06		1.0	7/29/2009	ZN	3C/D-1946
Carbon Monoxide	<14.70	14.70	<16.84	16.84		1.0	7/29/2009	ZN	3C/D-1946
Methane	**19.55**	**14.58**	**12.80**	**9.566**		**1.0**	**7/29/2009**	**ZN**	**3C/D-1946**
Sample ID: PSG0612-02RE1 (NSG0861-02 (SV-14))									**Sampled: 07/07/09 17:19**
Oxygen	**138600**	**18300**	**181000**	**23950**	**RL7**	**1.0**	**8/3/2009**	**AY**	**3C/D-1946**
Nitrogen	**834900**	**18230**	**957000**	**20890**	**RL7**	**1.0**	**8/3/2009**	**AY**	**3C/D-1946**
Carbon Dioxide	**33700**	**735.0**	**60700**	**1323**	**RL7**	**1.0**	**8/3/2009**	**AY**	**3C/D-1946**
Sample ID: PSG0612-03 (NSG0861-03 (SV-15))									**Sampled: 07/07/09 17:24**
Hydrogen	<377.0	377.0	<31.08	31.08		1.0	7/30/2009	AY	3C/D-1946
Carbon Monoxide	<15.20	15.20	<17.41	17.41		1.0	7/30/2009	AY	3C/D-1946
Methane	<15.08	15.08	<9.895	9.895		1.0	7/30/2009	AY	3C/D-1946
Carbon Dioxide	**5042**	**15.20**	**9080**	**27.36**		**1.0**	**7/30/2009**	**AY**	**3C/D-1946**
Sample ID: PSG0612-03RE1 (NSG0861-03 (SV-15))									**Sampled: 07/07/09 17:24**
Oxygen	**191300**	**18920**	**250000**	**24760**	**RL7**	**1.0**	**7/30/2009**	**AY**	**3C/D-1946**
Nitrogen	**784700**	**18850**	**899000**	**21600**	**RL7**	**1.0**	**7/30/2009**	**AY**	**3C/D-1946**
Sample ID: PSG0612-04 (NSG0861-04 (SV-16))									**Sampled: 07/07/09 16:40**
Hydrogen	<386.9	386.9	<31.90	31.90		1.0	7/30/2009	AY	3C/D-1946
Carbon Monoxide	<15.60	15.60	<17.87	17.87		1.0	7/30/2009	AY	3C/D-1946
Methane	**321.8**	**15.48**	**211.0**	**10.16**		**1.0**	**7/30/2009**	**AY**	**3C/D-1946**
Sample ID: PSG0612-04RE1 (NSG0861-04 (SV-16))									**Sampled: 07/07/09 16:40**
Oxygen	**33750**	**18180**	**44200**	**23790**	**RL7**	**1.0**	**8/3/2009**	**AY**	**3C/D-1946**
Nitrogen	**797400**	**18100**	**914000**	**20740**	**RL7**	**1.0**	**8/3/2009**	**AY**	**3C/D-1946**
Carbon Dioxide	**81110**	**730.0**	**146000**	**1314**	**RL7**	**1.0**	**8/3/2009**	**AY**	**3C/D-1946**
Sample ID: PSG0612-05 (NSG0861-05 (SV-17))									**Sampled: 07/07/09 17:33**
Hydrogen	<377.0	377.0	<31.08	31.08		1.0	7/30/2009	AY	3C/D-1946
Carbon Monoxide	<15.20	15.20	<17.41	17.41		1.0	7/30/2009	AY	3C/D-1946
Methane	<15.08	15.08	<9.895	9.895		1.0	7/30/2009	AY	3C/D-1946
Carbon Dioxide	**297.4**	**15.20**	**535.0**	**27.36**		**1.0**	**7/30/2009**	**AY**	**3C/D-1946**
Sample ID: PSG0612-05RE1 (NSG0861-05 (SV-17))									**Sampled: 07/07/09 17:33**
Oxygen	**195500**	**18920**	**256000**	**24760**	**RL7**	**1.0**	**7/30/2009**	**AY**	**3C/D-1946**
Nitrogen	**754700**	**18850**	**865000**	**21600**	**B3, RL7**	**1.0**	**7/30/2009**	**AY**	**3C/D-1946**

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Gail Lage

Work Order: PSG0612
Project: N_ExxonMobil Buffalo
Project Number: Former Exxon Buffalo Terminal

Received: 07/10/09
Reported: 08/06/09 11:13

Fixed Gases by EPA 3C/ASTM D-1946

	ppmv		mg/m3		Data		Date		
	Result	PQL	Result	PQL	Qualifiers	Dilution	Analyzed	Analyst	Method
Sample ID: PSG0612-06 (NSG0861-06 (SV-18))								**Sampled: 07/07/09 17:36**	
Hydrogen	<367.0	367.0	<30.26	30.26		1.0	7/29/2009	ZN	3C/D-1946
Carbon Monoxide	<14.80	14.80	<16.95	16.95		1.0	7/29/2009	ZN	3C/D-1946
Methane	<14.68	14.68	<9.632	9.632		1.0	7/29/2009	ZN	3C/D-1946
Carbon Dioxide	**4664**	**14.80**	**8400**	**26.64**		**1.0**	**7/29/2009**	**ZN**	**3C/D-1946**
Sample ID: PSG0612-06RE1 (NSG0861-06 (SV-18))								**Sampled: 07/07/09 17:36**	
Oxygen	**202300**	**18430**	**265000**	**24120**	**RL7**	**1.0**	**8/4/2009**	**AY**	**3C/D-1946**
Nitrogen	**822100**	**18350**	**942000**	**21020**	**RL7**	**1.0**	**8/4/2009**	**AY**	**3C/D-1946**
Sample ID: PSG0612-07 (NSG0861-07 (SV-19))								**Sampled: 07/07/09 17:29**	
Hydrogen	<386.9	386.9	<31.90	31.90		1.0	7/28/2009	ZN	3C/D-1946
Carbon Monoxide	<15.60	15.60	<17.87	17.87		1.0	7/28/2009	ZN	3C/D-1946
Methane	<15.48	15.48	<10.16	10.16		1.0	7/28/2009	ZN	3C/D-1946
Sample ID: PSG0612-07RE1 (NSG0861-07 (SV-19))								**Sampled: 07/07/09 17:29**	
Oxygen	**141900**	**19420**	**186000**	**25420**	**RL7**	**1.0**	**7/29/2009**	**ZN**	**3C/D-1946**
Nitrogen	**784600**	**19340**	**899000**	**22160**	**RL7**	**1.0**	**7/29/2009**	**ZN**	**3C/D-1946**
Carbon Dioxide	**45540**	**780.0**	**82000**	**1404**	**RL7**	**1.0**	**7/29/2009**	**ZN**	**3C/D-1946**
Sample ID: PSG0612-08 (NSG0861-08 (Ambient Air 1))								**Sampled: 07/07/09 16:41**	
Hydrogen	<381.9	381.9	<31.49	31.49		1.0	7/28/2009	ZN	3C/D-1946
Carbon Monoxide	<15.40	15.40	<17.64	17.64		1.0	7/28/2009	ZN	3C/D-1946
Methane	<15.28	15.28	<10.03	10.03		1.0	7/28/2009	ZN	3C/D-1946
Carbon Dioxide	**390.4**	**15.40**	**703.0**	**27.72**		**1.0**	**7/28/2009**	**ZN**	**3C/D-1946**
Sample ID: PSG0612-08RE1 (NSG0861-08 (Ambient Air 1))								**Sampled: 07/07/09 16:41**	
Oxygen	**194300**	**19170**	**254000**	**25090**	**RL7**	**1.0**	**7/29/2009**	**ZN**	**3C/D-1946**
Nitrogen	**778000**	**19100**	**891000**	**21880**	**RL7**	**1.0**	**7/29/2009**	**ZN**	**3C/D-1946**
Sample ID: PSG0612-09 (NSG0861-09 (SV-13))								**Sampled: 07/08/09 14:58**	
Hydrogen	<347.2	347.2	<28.63	28.63		1.0	7/28/2009	ZN	3C/D-1946
Carbon Monoxide	<14.00	14.00	<16.04	16.04		1.0	7/28/2009	ZN	3C/D-1946
Methane	<13.89	13.89	<9.114	9.114		1.0	7/28/2009	ZN	3C/D-1946
Carbon Dioxide	**384.0**	**14.00**	**691.0**	**25.20**		**1.0**	**7/28/2009**	**ZN**	**3C/D-1946**
Sample ID: PSG0612-09RE1 (NSG0861-09 (SV-13))								**Sampled: 07/08/09 14:58**	
Oxygen	**202300**	**17430**	**265000**	**22810**	**RL7**	**1.0**	**7/29/2009**	**ZN**	**3C/D-1946**
Nitrogen	**800600**	**17360**	**917000**	**19890**	**RL7**	**1.0**	**7/29/2009**	**ZN**	**3C/D-1946**

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TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Gail Lage

Work Order: PSG0612
Project: N_ExxonMobil Buffalo
Project Number: Former Exxon Buffalo Terminal

Received: 07/10/09
Reported: 08/06/09 11:13

	ppmv		mg/m3		Data		Date		
	Result	PQL	Result	PQL	Qualifiers	Dilution	Analyzed	Analyst	Method
Fixed Gases by EPA 3C/ASTM D-1946									
Sample ID: PSG0612-10 (NSG0861-10 (Duplicate))									**Sampled: 07/08/09 17:57**
Hydrogen	<379.4	379.4	<31.28	31.28		1.0	7/28/2009	ZN	3C/D-1946
Carbon Monoxide	<15.30	15.30	<17.53	17.53		1.0	7/28/2009	ZN	3C/D-1946
Methane	<15.18	15.18	<9.960	9.960		1.0	7/28/2009	ZN	3C/D-1946
Carbon Dioxide	**4452**	**15.30**	**8010**	**27.54**		**1.0**	**7/28/2009**	**ZN**	**3C/D-1946**
Sample ID: PSG0612-10RE1 (NSG0861-10 (Duplicate))									**Sampled: 07/08/09 17:57**
Oxygen	**187600**	**19050**	**246000**	**24930**	**RL7**	**1.0**	**7/29/2009**	**ZN**	**3C/D-1946**
Nitrogen	**776600**	**18970**	**890000**	**21740**	**RL7**	**1.0**	**7/29/2009**	**ZN**	**3C/D-1946**

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Work Order: PSG0612
Project: N_ExxonMobil Buffalo
Project Number: Former Exxon Buffalo Terminal

Received: 07/10/09
Reported: 08/06/09 11:13

	ppmv		mg/m3		Data		Date		
	Result	PQL	Result	PQL	Qualifiers	Dilution	Analyzed	Analyst	Method
Fixed Gases by EPA 3C/ASTM D-1946									
Sample ID: PSG0612-11 (NSG0861-11 (Ambient Air 2))									**Sampled: 07/08/09 17:37**
Hydrogen	<374.5	374.5	<30.88	30.88		1.0	7/29/2009	ZN	3C/D-1946
Oxygen	**192900**	**18800**	**252000**	**24600**	**RL7**	**1.0**	**7/29/2009**	**ZN**	**3C/D-1946**
Nitrogen	**773400**	**18720**	**886000**	**21450**	**RL7**	**1.0**	**7/29/2009**	**ZN**	**3C/D-1946**
Carbon Monoxide	<15.10	15.10	<17.30	17.30		1.0	7/29/2009	ZN	3C/D-1946
Methane	<14.98	14.98	<9.829	9.829		1.0	7/29/2009	ZN	3C/D-1946
Carbon Dioxide	**396.5**	**15.10**	**714.0**	**27.18**		**1.0**	**7/29/2009**	**ZN**	**3C/D-1946**

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Work Order: PSG0612
Project: N_ExxonMobil Buffalo
Project Number: Former Exxon Buffalo Terminal

Received: 07/10/09
Reported: 08/06/09 11:13

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Fixed Gases by EPA 3C/ASTM D-1946							
P9G2826-BLK1							
Hydrogen	<248.0	248.0		ppmv	P9G2826	P9G2826-BLK1	07-28-2009
Carbon Monoxide	<10.00	10.00		ppmv	P9G2826	P9G2826-BLK1	07-28-2009
Methane	<9.920	9.920		ppmv	P9G2826	P9G2826-BLK1	07-28-2009
Carbon Dioxide	<10.00	10.00		ppmv	P9G2826	P9G2826-BLK1	07-28-2009
Acetylene	<9.960	9.960		ppmv	P9G2826	P9G2826-BLK1	07-28-2009
P9G2927-BLK1							
Hydrogen	<248.0	248.0		ppmv	P9G2927	P9G2927-BLK1	07-29-2009
Oxygen	<249.0	249.0		ppmv	P9G2927	P9G2927-BLK1	07-29-2009
Nitrogen	<248.0	248.0		ppmv	P9G2927	P9G2927-BLK1	07-29-2009
Carbon Monoxide	<10.00	10.00		ppmv	P9G2927	P9G2927-BLK1	07-29-2009
Methane	<9.920	9.920		ppmv	P9G2927	P9G2927-BLK1	07-29-2009
Carbon Dioxide	<10.00	10.00		ppmv	P9G2927	P9G2927-BLK1	07-29-2009
Acetylene	<9.960	9.960		ppmv	P9G2927	P9G2927-BLK1	07-29-2009
P9G3045-BLK1							
Hydrogen	<248.0	248.0		ppmv	P9G3045	P9G3045-BLK1	07-30-2009
Oxygen	<249.0	249.0		ppmv	P9G3045	P9G3045-BLK1	07-30-2009
Nitrogen	262.1	248.0	B3	ppmv	P9G3045	P9G3045-BLK1	07-30-2009
Carbon Monoxide	<10.00	10.00		ppmv	P9G3045	P9G3045-BLK1	07-30-2009
Methane	<9.920	9.920		ppmv	P9G3045	P9G3045-BLK1	07-30-2009
Carbon Dioxide	<10.00	10.00		ppmv	P9G3045	P9G3045-BLK1	07-30-2009
P9G3136-BLK1							
Hydrogen	<248.0	248.0		ppmv	P9G3136	P9G3136-BLK1	07-31-2009
Oxygen	<249.0	249.0		ppmv	P9G3136	P9G3136-BLK1	07-31-2009
Nitrogen	<248.0	248.0		ppmv	P9G3136	P9G3136-BLK1	07-31-2009
Carbon Monoxide	<10.00	10.00		ppmv	P9G3136	P9G3136-BLK1	07-31-2009
Methane	<9.920	9.920		ppmv	P9G3136	P9G3136-BLK1	07-31-2009
Carbon Dioxide	<10.00	10.00		ppmv	P9G3136	P9G3136-BLK1	07-31-2009
Acetylene	<9.960	9.960		ppmv	P9G3136	P9G3136-BLK1	07-31-2009
P9H0335-BLK1							
Oxygen	<249.0	249.0		ppmv	P9H0335	P9H0335-BLK1	08-03-2009
Nitrogen	<248.0	248.0		ppmv	P9H0335	P9H0335-BLK1	08-03-2009
Carbon Dioxide	<10.00	10.00		ppmv	P9H0335	P9H0335-BLK1	08-03-2009
P9H0441-BLK1							
Oxygen	<249.0	249.0		ppmv	P9H0441	P9H0441-BLK1	08-04-2009
Nitrogen	<248.0	248.0		ppmv	P9H0441	P9H0441-BLK1	08-04-2009

TestAmerica Nashville
2960 Foster Creighton Drive
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Gail Lage

Work Order: PSG0612
Project: N_ExxonMobil Buffalo
Project Number: Former Exxon Buffalo Terminal

Received: 07/10/09
Reported: 08/06/09 11:13

Blank - Cont.

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Fixed Gases by EPA 3C/ASTM D-1946							

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Fixed Gases by EPA 3C/ASTM D-1946									
P9G2927-DUP1									
Hydrogen	ND	<248.0		ppmv		200	P9G2927	PSG0599-27RE1	07-29-2009
Oxygen	27070	<249.0		ppmv		200	P9G2927	PSG0599-27RE1	07-29-2009
Nitrogen	218100	<248.0		ppmv		200	P9G2927	PSG0599-27RE1	07-29-2009
Carbon Monoxide	ND	<10.00		ppmv		200	P9G2927	PSG0599-27RE1	07-29-2009
Methane	420100	432300	RL7	ppmv	3	200	P9G2927	PSG0599-27RE1	07-29-2009
Carbon Dioxide	273200	<10.00		ppmv		200	P9G2927	PSG0599-27RE1	07-29-2009
Acetylene	ND	<9.960		ppmv		200	P9G2927	PSG0599-27RE1	07-29-2009
P9G3045-DUP1									
Hydrogen	ND	<248.0		ppmv		200	P9G3045	PSG0612-05RE1	07-30-2009
Oxygen	195500	183400	RL7	ppmv	6	200	P9G3045	PSG0612-05RE1	07-30-2009
Nitrogen	754700	725700	B3, RL7	ppmv	4	200	P9G3045	PSG0612-05RE1	07-30-2009
Carbon Monoxide	ND	<760.0		ppmv		200	P9G3045	PSG0612-05RE1	07-30-2009
Methane	ND	<753.9		ppmv		200	P9G3045	PSG0612-05RE1	07-30-2009
Carbon Dioxide	ND	<760.0		ppmv		200	P9G3045	PSG0612-05RE1	07-30-2009
P9G3136-DUP1									
Hydrogen	23490	19950	R-11	ppmv	16	10	P9G3136	PSG1679-01RE1	07-31-2009
Oxygen	22690	24040		ppmv	6	10	P9G3136	PSG1679-01RE1	07-31-2009
Nitrogen	136600	136000		ppmv	0.5	10	P9G3136	PSG1679-01RE1	07-31-2009
Methane	457500	425900		ppmv	7	10	P9G3136	PSG1679-01RE1	07-31-2009
Carbon Dioxide	345300	320600		ppmv	7	10	P9G3136	PSG1679-01RE1	07-31-2009
P9H0335-DUP1									
Oxygen	33750	33460		ppmv	0.9	10	P9H0335	PSG0612-04RE1	08-03-2009
Nitrogen	797400	776600		ppmv	3	10	P9H0335	PSG0612-04RE1	08-03-2009
Carbon Dioxide	81110	77330		ppmv	5	10	P9H0335	PSG0612-04RE1	08-03-2009
P9H0441-DUP1									
Oxygen	202300	202000		ppmv	0.2	10	P9H0441	PSG0612-06RE1	08-04-2009
Nitrogen	822100	835200		ppmv	2	10	P9H0441	PSG0612-06RE1	08-04-2009

LCS

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Fixed Gases by EPA 3C/ASTM D-1946								
P9G2826-BS1								

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TestAmerica Nashville
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Nashville, TN 37204
Gail Lage

Work Order: PSG0612
Project: N_ExxonMobil Buffalo
Project Number: Former Exxon Buffalo Terminal

Received: 07/10/09
Reported: 08/06/09 11:13

LCS

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Fixed Gases by EPA 3C/ASTM D-1946								
P9G2826-BS1								
Hydrogen	2375	248.00		ppmv	118%	80 - 120	P9G2826	07-28-2009
Carbon Monoxide	2492	10.00		ppmv	100%	80 - 120	P9G2826	07-28-2009
Methane	2002	9.92		ppmv	100%	80 - 120	P9G2826	07-28-2009
Carbon Dioxide	2482	10.00		ppmv	99%	80 - 120	P9G2826	07-28-2009
Acetylene	2939	9.96		ppmv	117%	80 - 120	P9G2826	07-28-2009
P9G2927-BS1								
Hydrogen	2205	248.00		ppmv	109%	80 - 120	P9G2927	07-29-2009
Oxygen	2285	249.00		ppmv	92%	80 - 120	P9G2927	07-29-2009
Nitrogen	2675	248.00		ppmv	107%	80 - 120	P9G2927	07-29-2009
Carbon Monoxide	2462	10.00		ppmv	99%	80 - 120	P9G2927	07-29-2009
Methane	1975	9.92		ppmv	98%	80 - 120	P9G2927	07-29-2009
Carbon Dioxide	2473	10.00		ppmv	99%	80 - 120	P9G2927	07-29-2009
Acetylene	2910	9.96		ppmv	116%	80 - 120	P9G2927	07-29-2009
P9G3045-BS1								
Hydrogen	2135	248.00		ppmv	106%	80 - 120	P9G3045	07-30-2009
Oxygen	2191	249.00		ppmv	88%	80 - 120	P9G3045	07-30-2009
Nitrogen	2525	248.00		ppmv	101%	80 - 120	P9G3045	07-30-2009
Carbon Monoxide	2431	10.00		ppmv	98%	80 - 120	P9G3045	07-30-2009
Methane	1943	9.92		ppmv	97%	80 - 120	P9G3045	07-30-2009
Carbon Dioxide	2465	10.00		ppmv	99%	80 - 120	P9G3045	07-30-2009
P9G3136-BS1								
Hydrogen	2077	248.00		ppmv	103%	80 - 120	P9G3136	07-31-2009
Oxygen	2183	249.00		ppmv	88%	80 - 120	P9G3136	07-31-2009
Nitrogen	2360	248.00		ppmv	95%	80 - 120	P9G3136	07-31-2009
Carbon Monoxide	2470	10.00		ppmv	99%	80 - 120	P9G3136	07-31-2009
Methane	1983	9.92		ppmv	99%	80 - 120	P9G3136	07-31-2009
Carbon Dioxide	2500	10.00		ppmv	100%	80 - 120	P9G3136	07-31-2009
Acetylene	2938	9.96		ppmv	117%	80 - 120	P9G3136	07-31-2009
P9H0335-BS1								
Oxygen	2302	249.00		ppmv	92%	80 - 120	P9H0335	08-03-2009
Nitrogen	2652	248.00		ppmv	106%	80 - 120	P9H0335	08-03-2009
Carbon Dioxide	2554	10.00		ppmv	102%	80 - 120	P9H0335	08-03-2009
P9H0441-BS1								
Oxygen	2024	249.00		ppmv	81%	80 - 120	P9H0441	08-04-2009
Nitrogen	2212	248.00		ppmv	89%	80 - 120	P9H0441	08-04-2009

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LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Fixed Gases by EPA 3C/ASTM D-1946								

LCS Dup

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Fixed Gases by EPA 3C/ASTM D-1946												
P9G2826-BSD1												
Hydrogen	2369	248.00		ppmv	2020	118%	80 - 120	0.2	20	P9G2826		07-28-2009
Carbon Monoxide	2466	10.00		ppmv	2490	99%	80 - 120	1	20	P9G2826		07-28-2009
Methane	1977	9.92		ppmv	2000	99%	80 - 120	1	20	P9G2826		07-28-2009
Carbon Dioxide	2450	10.00		ppmv	2500	98%	80 - 120	1	20	P9G2826		07-28-2009
Acetylene	2907	9.96		ppmv	2520	116%	80 - 120	1	20	P9G2826		07-28-2009
P9G2927-BSD1												
Hydrogen	2300	248.00		ppmv	2020	114%	80 - 120	4	20	P9G2927		07-29-2009
Oxygen	2295	249.00		ppmv	2500	92%	80 - 120	0.4	20	P9G2927		07-29-2009
Nitrogen	2730	248.00		ppmv	2500	109%	80 - 120	2	20	P9G2927		07-29-2009
Carbon Monoxide	2465	10.00		ppmv	2490	99%	80 - 120	0.1	20	P9G2927		07-29-2009
Methane	1977	9.92		ppmv	2000	99%	80 - 120	0.1	20	P9G2927		07-29-2009
Carbon Dioxide	2462	10.00		ppmv	2500	99%	80 - 120	0.5	20	P9G2927		07-29-2009
Acetylene	2908	9.96		ppmv	2520	116%	80 - 120	0.07	20	P9G2927		07-29-2009
P9G3045-BSD1												
Hydrogen	2086	248.00		ppmv	2020	104%	80 - 120	2	20	P9G3045		07-30-2009
Oxygen	2188	249.00		ppmv	2500	88%	80 - 120	0.2	20	P9G3045		07-30-2009
Nitrogen	2447	248.00		ppmv	2500	98%	80 - 120	3	20	P9G3045		07-30-2009
Carbon Monoxide	2454	10.00		ppmv	2490	99%	80 - 120	1	20	P9G3045		07-30-2009
Methane	1971	9.92		ppmv	2000	98%	80 - 120	1	20	P9G3045		07-30-2009
Carbon Dioxide	2459	10.00		ppmv	2500	99%	80 - 120	0.2	20	P9G3045		07-30-2009
P9G3136-BSD1												
Hydrogen	1952	248.00		ppmv	2020	97%	80 - 120	6	20	P9G3136		07-31-2009
Oxygen	2152	249.00		ppmv	2500	86%	80 - 120	1	20	P9G3136		07-31-2009
Nitrogen	2296	248.00		ppmv	2500	92%	80 - 120	3	20	P9G3136		07-31-2009
Carbon Monoxide	2435	10.00		ppmv	2490	98%	80 - 120	1	20	P9G3136		07-31-2009
Methane	1955	9.92		ppmv	2000	97%	80 - 120	1	20	P9G3136		07-31-2009
Carbon Dioxide	2454	10.00		ppmv	2500	98%	80 - 120	2	20	P9G3136		07-31-2009
Acetylene	2894	9.96		ppmv	2520	115%	80 - 120	1	20	P9G3136		07-31-2009
P9H0335-BSD1												
Oxygen	2165	249.00		ppmv	2500	87%	80 - 120	6	20	P9H0335		08-03-2009
Nitrogen	2226	248.00		ppmv	2500	89%	80 - 120	17	20	P9H0335		08-03-2009
Carbon Dioxide	2534	10.00		ppmv	2500	102%	80 - 120	0.8	20	P9H0335		08-03-2009

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Gail Lage

Work Order: PSG0612
Project: N_ExxonMobil Buffalo
Project Number: Former Exxon Buffalo Terminal

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LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Fixed Gases by EPA 3C/ASTM D-1946												
P9H0441-BSD1												
Oxygen	2143	249.00		ppmv	2500	86%	80 - 120	6	20	P9H0441		08-04-2009
Nitrogen	2460	248.00		ppmv	2500	99%	80 - 120	11	20	P9H0441		08-04-2009

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TestAmerica Nashville	Work Order:	PSG0612	Received: 07/10/09
2960 Foster Creighton Drive			Reported: 08/06/09 11:13
Nashville, TN 37204	Project:	N_ExxonMobil Buffalo	
Gail Lage	Project Number:	Former Exxon Buffalo Terminal	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6001, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7600, NIOSH 7903, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

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TestAmerica Nashville	Work Order:	PSG0612	Received: 07/10/09
2960 Foster Creighton Drive			Reported: 08/06/09 11:13
Nashville, TN 37204	Project:	N_ExxonMobil Buffalo	
Gail Lage	Project Number:	Former Exxon Buffalo Terminal	

DATA QUALIFIERS AND DEFINITIONS

B3	Target analyte detected in calibration blank at or above the method reporting limit.
R-11	RPD exceeded the laboratory control limit. See case narrative.
RL7	Sample required dilution due to high concentration of target analyte.

ADDITIONAL COMMENTS

TestAmerica Los Angeles
3585 Cadillac Ave., Suite A
Costa Mesa, CA 92626
Phone 714-258-8610 Fax 714-258-0921

Canister Samples Chain of Custody Record

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

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THE LEADER IN ENVIRONMENTAL TESTING

1 of 2 COCs

Client Contact Information	Project Manager: Noelle Clarke	Samples Collected By: Jen Siniscalchi / Tom Palmer
Company: Roux Associates	Phone: 631-232-2600	
Address: 209 Shafter Street	Email:	
City/State/Zip: Islandia, NY 11749	Site Contact: Andy Janik	
Phone: 631-232-2600	LAB Contact:	
FAX:	Analysis Turnaround Time	
Project Name: Former Xom Buff. Terminal	Standard (Specify) 14 day	
Site: 625 Elk St. Buffalo, NY	Rush (Specify)	
PO #		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	TO-3	EPA-3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SV-1	7/7/09	0808	1648	30	4	08083	1050C	X					X					X		PSG0612-1
SV-14		0835	1719	29.5	3.5	08082	1249													-2
SV-15		0842	1724	30	4	08076	2351													-3
SV-16		0817	1640	29	4	08094	2779													-4
SV-17		0859	1733	30	4	08090	2914													-5
SV-18		0907	1736	30	4	08101	2362													-6

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	Date/Time:	Samples Received by:	
Samples Relinquished by: Jen Siniscalchi	Date/Time: 7/9/09 1630	Received by:	
Relinquished by:	Date/Time:	Received by: Paul Hamm	7/10/09 1030

Lab Use Only Shipper Name: Opened by: Condition: 20.0°C/1mR

TestAmerica Los Angeles
3585 Cadillac Ave., Suite A
Costa Mesa, CA 92626
Phone 714-258-8610 Fax 714-258-0921

Canister Samples Chain of Custody Record

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2 of 2 COCs

Client Contact Information	Project Manager: Noelle Clarke
Company: Roux Associates	Phone: 631-232-2600
Address: 209 Shafter Street	Email:
City/State/Zip: Islandia, NY 11749	Site Contact: Andy Janik
Phone: 631-232-2600	LAB Contact:
FAX:	Analysis Turnaround Time
Project Name: former Xom Buff. Terminal	Standard (Specify) 14-day
Site: 625 Elk St. Buffalo, NY	Rush (Specify)
PO #	

Samples Collected By: Jen Siriscalchi / Tom Palmer

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	TO-3	EPA-3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type: Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SV-19	7/7/09	0851	1729	29	4	08006	1256	X	PS	06	6L-7		X				X		
Ambient Air 1	↓	0828	1641	29	2	08013	2253	X		↑		-8	X			X			
SV-13	7/8/09	0820	1458	29	1	08021	1288	X				-9	X				X		
Duplicate		0852	1757	30	4	08065	1098C	X				-10	X				X		
Ambient Air 2	↓	0832	1737	29	4	08088	1052C	X		↓		-11	X			X			

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	Date/Time:	Samples Received by:	
Samples Relinquished by: JJ Siriscalchi	Date/Time: 7/9/09 1630	Received by:	
Relinquished by:	Date/Time:	Received by: Paul Hamm	7/10/09 1030

Lab Use Only Shipper Name: Opened by: Condition: 20.0°C/AMB

ATTACHMENT 2

Analytical Reports for Forensic Analyses

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Cell: 609.721.2843
Email: yi.wang@zymaxusa.com

REPORT OF ISOTOPE ANALYSES

Report Date: July 24th, 2009

Gas samples for δD (‰ VSMOW) and $\delta^{13}C$ (‰ VPDB) of methane, and $\delta^{13}C$ (‰ VPDB) of CO_2

ZymaX ID	Sample ID	$\delta^{13}C$		δD
		CH_4	CO_2	CH_4
41572-1	SV-1 Forensic	[a]-35.84	-26.55	[a]-144.04
41572-2	SV-13 Forensic	[b] *-44.61*	-26.47	[b] *-179.26*

[a]Estimates due to low concentrations
[b] *Estimates due to extremely low concentrations*

Quality Control STDs	$\delta^{13}C$		δD
Gas STDs: methane and CO_2	**CH_4**	**CO_2**	**CH_4**
	-19.81	-39.29	-114.65
	-20.11	-39.08	-116.78
Mean	**-19.96**	**-39.19**	**-115.72**
Analytical precision (1σ)	**0.21**	**0.15**	**1.51**

ZYMAX FORENSICS ISOTOPE LABORATORY ANALYSES

Gas
^{13}C and D/H of C1 to C4; ^{13}C of CO_2; C-14 of Methane and CO_2; ^{34}S of H_2S; ^{15}N and ^{18}O of N_2O gas

Oil, Extract, Fraction and Kerogen
Compound-Specific ^{13}C and D/H of MTBE,Chlorinated Solvents,PAH,Gasoline,Oil; Bulk ^{13}C, D/H, ^{34}S, and ^{15}N

Water
D/H and ^{18}O; ^{34}S and ^{18}O of dissolved sulfate; ^{34}S of dissolved H_2S; Cl-37;
^{15}N and ^{18}O of dissolved Nitrate; ^{15}N of Ammonia; ^{13}C of dissolved CO_2 and Carbonate/Bicarbonate

Soil and Minerals:
^{13}C, ^{15}N, ^{34}S, D/H, ^{18}O; C-14 of carbonate or organics

EAS Environmental Analytical Service Inc

173 Cross Street, San Luis Obispo, California 93401

July 22, 2009
Sample Delivery Groups (SDG): 209302

Yi Wang
Zymax Environmental Forensics
600 S. Andreasen Drive, Suite B
Escondido, CA 92029

Dear Yi:

Enclosed is the analytical report for the sample(s) received and analyzed by Environmental Analytical Service, Inc. for the following project:

Project Name :	None Given
Project Number:	41572
Date Sampled:	7/8/09

The report consists of the following sections:

I. Sample Description
II. Laboratory Narrative and Chain of Custody Forms
III. Laboratory Certification
IV. Quality Control Reports
V. Analytical Results

If you have any questions on the report or the analytical data please contact me at (805) 781-3585.

Sincerely,

Steven D. Hoyt, Ph.D.
Laboratory Director

Analytical Report

SDG Number 209302

Client: Zymax Environmental Forensics **Date Received:** 7/14/2009

I. SAMPLE DESCRIPTION AND ANALYSIS REQUESTED

Client Sample No.	EAS Lab No	Analysis Requested	Date Sample Rec	Pressure (torr) Final
SV-1	209302 1	EPA TO-3 Hydrocarbon Speciation	7/8/2009	
SV-1	209302 1	ASTM D 1945 Methane	7/8/2009	
SV-13	209302 2	EPA TO-3 Hydrocarbon Speciation	7/9/2009	
SV-13	209302 2	ASTM D 1945 Methane	7/9/2009	

II. LABORATORY CASE NARRATIVE and CHAIN OF CUSTODY FORMS

SDG Numbers: 209302
Analysis performed for: Zymax Forensics

All laboratory quality control criteria were met for the samples in this report.

III. LABORATORY CERTIFICATION

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the condition noted above.

Steven D. Hoyt, Ph.D.
Laboratory Director

ZymaX Forensics

600 South Andreasen Drive Suite B
Escondido, CA. 92029

vox 760.781.3338
fax 760.781.3339

CHAIN of CUSTODY

CLIENT EDD ☐ LUFT EDF ☐ DW EDT ☐

Report to: Dr. Yi Wang (yi.wang@zymaxusa.com)

vox ( )

fax

Company: ZymaX Forensics

Proj

Address: 600 South Andreasen Drive, suite B, Escondido, CA 92029

Proj # 41572

Sampler

ANALYSIS REQUESTED

Turnaround Time

☐ ASAP ☐ 48hr
☐ 12hr ☐ 72hr
☐ 24hr ☒ std

Zymax use only	SAMPLE DISCRIPTION	Date Sampled	Time	Matrix	Preserve	Fixed GasAnalysis(C1-C10)	# of containers	Remarks
41572-1	SV-1			Air		V 1	1	
41572-2	SV-13			Air		V 2	1	

Comments:

Sample integrity upon reciept:

Samples received intact ☐
Samples received cold ☐
Custody seals ☐
Correct container types ☐

Bill 3rd party:

PO#: _____
Quote yes ☐ no ☐

Relinquished by: Yi Wang, 7/13/09
Signature
Print
Company ZymaX
Date Time

Recieved by:
Signature
Print Karina Campbell
Company EAS
Date 7/14/09 Time 0945

Relinquished by:
Signature
Print
Company
Date Time

Received by ZymaX envirotechnology, inc:
Signature
Print
Company
Date Time

Email: yi.wang@ZymaXusa.com

IV. QUALITY CONTROL REPORT

SDG Numbers: 209302
Client: Zymax Forensics

LABORATORY QC REPORT

QC NARRATIVE

Unless project specific QC was specified, these samples were analyzed with the standard EAS QC for the method as defined in the EAS Quality Manual.

STANDARD LABORATORY QC REPORT

Unless project specific QC reporting was requested, this Section contains the standard laboratory QC supplied with the analytical reports, which includes the daily method blank and the daily duplicate control samples as described below. Each day that samples are analyzed comprises a Daily Analytical Batch for a particular instrument. A Daily Analytical Batch QC report will be supplied for each method and each day samples from this SDG Group were analyzed.

METHOD BLANK

A method blank is a laboratory-generated sample which assesses the degree to which laboratory operations and procedures cause false-positive analytical results for your samples. A copy of each batch Method Blank is included with the report. If a compound is detected in the Method Blank between the RL and MDL, it will be flagged with a "J". If a compound is above the RL, it will be flagged with a "B"

DUPLICATE CONTROL SAMPLES

A duplicate or duplicate control sample (DCS) was analyzed as part of each daily analytical batch. A DCS is a well-characterized matrix (blank water, ambient air, or actual sample) which may or may not be spiked and run in duplicate with your sample batch. The results are on the attached Duplicate Sample/Spike results. Precision is measured in a duplicate test by Relative Percent Difference (RPD) as in:

$$RPD = \frac{[\%\ \text{Recovery Test 1} - \%\ \text{Recovery Test 2}] \times 100}{(\text{Recovery Test 1} + \text{Recovery Test 2}) / 2}$$

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1946 GC/TCD
Analytical Method: ASTM D 1946

SDG: LABQC
Laboratory Number: B07149

File: B07149A.D
Description: METHOD BLANK
Can/Tube#:
Sam_Type: MB
QC_Batch: 071409-GC5
Air Volume: 0.5 ml

Date Sampled: **Time:**
Date Received:
Date Extracted:
Date Analyzed: 07/14/09 **Time:** 17:12
Can Dilution Factor: 1.00 0
Not Detected Flag: ND 3

CAS#	Compound	MDL ppmv	MDL %	RL ppmv	RL %	Sample Concentration ppmv	Sample Concentration %	Flag
74-82-8	Methane	10	0.001	30	0.003	0	0.000	U

Notes: 1) U and ND are Flags used for Not Detected
2) %* Indicates sample concentration is normalized to 100% (only available for complete analysis)
3) J is a flag for a result between the MDL and the RL (or lower quantitation limit, LQL)
4) Argon co-elutes with Oxygen; Atmospheric Argon is 0.946%

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-3 Modified GC/FID
Analytical Method: TO-3

SDG: LABQC
Laboratory Number: B07149

File: B07149B.D
Description: METHOD BLANK
Can/Tube#:
Sam_Type: MB
QC_Batch: 071409-GC1
Air Volume: 0.1 ml

Date Sampled: **Time:**
Date Received:
Date Extracted:
Date Analyzed: 07/14/09 **Time:** 15:02
Can Dilution Factor: 1.00 2
Not Detected Flag: ND

CAS#	Compound	MDL ppmV	RL ppmV	Amount ppmV	MDL mg/m3	RL mg/m3	Amount mg/m3	Flag
74-85-1	Ethene	1.00	7.35	ND	1.19	8.72	ND	ND
74-86-2	Acetylene	1.00	7.35	ND	1.10	8.07	ND	ND
74-84-0	Ethane	0.50	7.35	ND	0.64	9.34	ND	ND
115-07-1	Propene	0.67	7.35	ND	1.19	13.07	ND	ND
74-98-6	Propane	0.50	7.35	ND	0.93	13.69	ND	ND
75-28-5	i-Butane	0.67	7.35	ND	1.64	18.03	ND	ND
67-56-1	Methanol	1.00	7.35	ND	1.35	9.93	ND	ND
106-98-9	1-Butene	0.67	7.35	ND	1.58	17.41	ND	ND
106-99-0	1,3-Butadiene	0.50	7.35	ND	1.14	16.79	ND	ND
106-97-8	n-Butane	0.50	7.35	ND	1.23	18.03	ND	ND
624-64-6	t-2-Butene	0.67	7.35	ND	1.58	17.41	ND	ND
590-18-1	c-2-Butene	0.67	7.35	ND	1.58	17.41	ND	ND
64-17-5	Ethanol	1.00	7.35	ND	1.95	14.31	ND	ND
563-45-1	3-Methyl-1-butene	0.67	7.35	ND	1.97	21.76	ND	ND
67-64-1	Acetone	1.00	7.35	ND	2.45	18.03	ND	ND
78-78-4	i-Pentane	0.50	7.35	ND	1.52	22.41	ND	ND
109-67-1	1-Pentene	0.67	7.35	ND	1.97	21.76	ND	ND
67-63-0	Isopropanol	1.00	7.35	ND	2.54	18.65	ND	ND
563-46-2	2-Methyl-1-butene	0.67	7.35	ND	1.97	21.76	ND	ND
109-66-0	n-Pentane	0.50	7.35	ND	1.52	22.38	ND	ND
78-79-5	Isoprene	0.67	7.35	ND	1.92	21.14	ND	ND
646-04-8	t-2-Pentene	0.67	7.35	ND	1.97	21.76	ND	ND
627-20-3	c-2-Pentene	0.67	7.35	ND	1.97	21.76	ND	ND
75-65-0	Tert butyl alcohol	1.00	7.35	ND	3.13	23.00	ND	ND
513-35-9	2-Methyl-2-butene	0.67	7.35	ND	1.97	21.76	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	7.35	ND	2.43	26.76	ND	ND
142-29-0	Cyclopentene	0.50	7.35	ND	1.44	21.14	ND	ND
71-23-8	n-Propanol	1.00	7.35	ND	2.54	18.65	ND	ND
287-92-3	Cyclopentane	0.50	7.35	ND	1.48	21.76	ND	ND
1634-04-4	Methyl tert butyl ether	1.00	7.35	ND	3.72	27.38	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	7.35	ND	2.43	26.76	ND	ND
107-83-5	2-Methylpentane	0.67	7.35	ND	2.43	26.76	ND	ND
96-14-0	3-Methylpentane	0.67	7.35	ND	2.43	26.76	ND	ND
592-41-6	1-Hexene	0.67	7.35	ND	2.37	26.13	ND	ND
110-54-3	n-Hexane	0.50	7.35	ND	1.82	26.76	ND	ND
108-20-3	Diisopropyl ether	1.00	7.35	ND	4.32	31.72	ND	ND
1120-62-3	3-Methylcyclopentene	0.67	7.35	ND	2.31	25.48	ND	ND
637-92-3	Ethyl tert butyl ether	1.00	7.35	ND	4.32	31.72	ND	ND
96-37-7	Methylcyclopentane	0.67	7.35	ND	2.37	26.13	ND	ND
108-08-7	2,4-Dimethylpentane	0.67	7.35	ND	2.82	31.10	ND	ND

CAS#	Compound	MDL ppmV	RL ppmV	Amount ppmV	MDL mg/m3	RL mg/m3	Amount mg/m3	Flag
71-43-2	Benzene	0.50	7.35	ND	1.65	24.24	ND	ND
110-82-7	Cyclohexane	0.50	7.35	ND	1.78	26.13	ND	ND
591-76-4	2-Methylhexane	0.67	7.35	ND	2.82	31.10	ND	ND
565-59-3	2,3-Dimethylpentane	0.67	7.35	ND	2.82	31.10	ND	ND
589-34-4	3-Methylhexane	0.67	7.35	ND	2.82	31.10	ND	ND
6094-02-6	2-Methyl-1hexene	0.67	7.35	ND	2.76	30.48	ND	ND
994-05-8	Tert amyl methyl ether	0.67	7.35	ND	2.88	31.72	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.67	7.35	ND	3.22	35.45	ND	ND
142-82-5	n-Heptane	0.50	7.35	ND	2.12	31.10	ND	ND
108-87-2	Methylcyclohexane	1.00	7.35	ND	4.15	30.48	ND	ND
592-13-2	2,5-Dimethylhexane	1.00	7.35	ND	4.82	35.45	ND	ND
589-43-5	2,4-Dimethylhexane	1.00	7.35	ND	4.82	35.45	ND	ND
565-75-3	2,3,4-Trimethylpentane	1.00	7.35	ND	4.82	35.45	ND	ND
108-88-3	Toluene	0.50	7.35	ND	1.94	28.59	ND	ND
584-94-1	2,3-Dimethylhexane	1.00	7.35	ND	4.82	35.45	ND	ND
592-27-8	2-Methylheptane	1.00	7.35	ND	4.82	35.45	ND	ND
589-53-7	4-Methylheptane	1.00	7.35	ND	4.82	35.45	ND	ND
1067-08-9	3-Ethyl-3-methylpentane	1.00	7.35	ND	4.82	35.45	ND	ND
589-81-1	3-Methylheptane	1.00	7.35	ND	4.82	35.45	ND	ND
15870-10-7	2-Methyl-1-heptene	1.00	7.35	ND	4.74	34.83	ND	ND
111-65-9	n-Octane	0.50	7.35	ND	2.41	35.45	ND	ND
100-41-4	Ethylbenzene	0.50	7.35	ND	2.24	32.96	ND	ND
108-38-3	m,p-xylene	0.50	7.35	ND	2.24	32.96	ND	ND
100-42-5	Styrene	1.00	7.35	ND	4.40	32.34	ND	ND
95-47-6	o-xylene	0.50	7.35	ND	2.24	32.96	ND	ND
124-11-8	1-Nonene	1.00	7.35	ND	5.33	39.17	ND	ND
111-84-2	n-Nonane	0.67	7.35	ND	3.61	39.82	ND	ND
98-82-8	i-Propylbenzene	1.00	7.35	ND	5.08	37.31	ND	ND
103-65-1	n-propylbenzene	1.00	7.35	ND	5.08	37.31	ND	ND
80-56-8	a-Pinene	1.00	7.35	ND	5.75	42.27	ND	ND
620-14-4	3-Ethyltoluene	1.00	7.35	ND	5.08	37.31	ND	ND
622-96-8	4-Ethyltoluene	1.00	7.35	ND	5.08	37.31	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.67	7.35	ND	3.38	37.31	ND	ND
611-14-3	2-Ethyltoluene	1.00	7.35	ND	5.08	37.31	ND	ND
127-91-3	b-Pinene	1.00	7.35	ND	5.75	42.27	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.67	7.35	ND	3.38	37.31	ND	ND
124-18-5	n-Decane	0.67	7.35	ND	4.01	44.17	ND	ND
526-73-8	1,2,3-Trimethylbenzene	1.00	7.35	ND	5.08	37.31	ND	ND
496-11-7	Indan	1.00	7.35	ND	4.99	36.69	ND	ND
5989-27-5	d-Limonene	1.00	7.35	ND	5.75	42.27	ND	ND
141-93-5	1,3-Diethylbenzene	1.00	7.35	ND	5.67	41.65	ND	ND
105-05-5	1,4-Diethylbenzene	1.00	7.35	ND	5.67	41.65	ND	ND
104-51-8	n-Butylbenzene	0.67	7.35	ND	3.78	41.65	ND	ND
1758-88-9	1,4-Dimethyl-2-ethylbenzene	1.00	7.35	ND	5.67	41.65	ND	ND
874-41-9	1,3-Dimethyl-4-ethylbenzene	1.00	7.35	ND	5.67	41.65	ND	ND
934-80-5	1,2-Dimethyl-4-ethylbenzene	1.00	7.35	ND	5.67	41.65	ND	ND
1120-21-4	Undecane	1.00	7.35	ND	6.60	48.51	ND	ND
95-93-2	1,2,4,5-Tetramethylbenzene	1.00	7.35	ND	5.67	41.65	ND	ND
527-53-7	1,2,3,5-Tetramethylbenzene	1.00	7.35	ND	5.67	41.65	ND	ND
91-20-3	Naphthalene	1.00	7.35	ND	5.41	39.79	ND	ND
112-40-3	Dodecane	1.00	7.35	ND	7.19	52.86	ND	ND

CAS#	Compound	MDL ppmV	RL ppmV	Amount ppmV	MDL mg/m3	RL mg/m3	Amount mg/m3	Flag
Abbreviatior	**Total Petroleum Hydrocarbons:**							
TNMHC	Total Non-Methane Hydrocarbons	16.67	73.50	ND	60.67	267.55	ND	ND
	Sample: Composition			**ppbC**			**Percent**	
	Total Identified			0.01			0.04	
P	Paraffins			0.01			100.00	
I	Isoparaffins			0.00			0.00	
A	Aromatics			0.00			0.00	
N	Napthlenes			0.00			0.00	
O	Olefins			0.00			0.00	
	Oxygenates			0.00			0.00	

Notes: 1) Reported results are to be interpreted to two significant figures.
2) ug/m3 = ppbV*FW/23.68 calculated assuming conditions at 60 F and 1 atm.
3) MDL and RL are adjusted for sample volume and can dilution.
4) U and ND are Flags used for Not Detected
5) J is a flag for a result between the MDL and the RL (or lower quantitation limit, LQL)

QUALITY CONTROL DUPLICATE

ENVIRONMENTAL
Analytical Service, Inc.

Duplicate of QC Sample

ASTM D 1946 GC/TCD
Analytical Method: **ASTM D 1946**

SDG: LABQC

Dup File: QC07149B.D
Description: ST60123
Can/Tube#:
QC_Batch: 071409-GC5

CAS#	Compound	LCD %	LCS %	RPD %D	Limit %	Flag * = Out
74-82-8	Methane	1.033	1.035	0	25	

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

LABORATORY CONTROL SPIKE

ASTM D 1946 GC/TCD **SDG: LABQC**

Analytical Method: **ASTM D 1946**

File: QC07149A.D
Description: ST60123
Can/Tube#:
Sam_Type: LCS
QC_Batch: 071409-GC5
Air Volume: 0.5 ml

Date Sampled: NA
Date Received: NA
Date Extracted: NA
Date Analyzed: 07/14/09 **Time:** 16:28
Can Dilution Factor: 1.00 0
QC Duplicate: No 3

CAS#	Compound	MDL ppmv	Spike Conc %	Conc %	Matrix Amt %	Spk Amt %	Percent Recovery	LCL %	UCL %	Flag
74-82-8	Methane	10	1.000	1.035	0.000	1.035	104	70	130	

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

LABORATORY CONTROL DUPLICATE

ASTM D 1946 GC/TCD **SDG: LABQC**

Analytical Method: **ASTM D 1946**

File: QC07149B.D
Description: ST60123
Can/Tube#:
Sam_Type: LCD
QC_Batch: 071409-GC5
Air Volume: 0.5 ml

Date Sampled: NA
Date Received: NA
Date Extracted: NA
Date Analyzed: 07/14/09 **Time:** 16:57
Can Dilution Factor: 1.00 0
QC Duplicate: Yes 3

CAS#	Compound	MDL ppmv	Spike Conc %	Conc %	Matrix Amt %	Spk Amt %	Percent Recovery	LCL %	UCL %	Flag
74-82-8	Methane	10	1.000	1.033	0.000	1.033	103	70	130	

QUALITY CONTROL DUPLICATE

ENVIRONMENTAL
Analytical Service, Inc.

Duplicate of QC Sample

EPA Method TO-3 Modified GC/FID **SDG: LABQC**
Analytical Method: TO-3

Dup File: QC07149B.D
Description: ST60064
Can/Tube#:
QC_Batch: 071409-GC1

CAS#	Compound	LCD ppmV	LCS ppmV	RPD %D	Limit %	Flag * = Out
74-84-0	Ethane	14.98	14.97	0	25	
74-98-6	Propane	18.22	17.54	5	25	
106-97-8	n-Butane	17.37	16.61	5	25	
109-66-0	n-Pentane	16.78	16.32	3	25	
110-54-3	n-Hexane	16.68	16.01	5	25	

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

LABORATORY CONTROL SPIKE

EPA Method TO-3 Modified GC/FID **SDG: LABQC**
Analytical Method: TO-3

File: QC07149A.D
Description: ST60064
Can/Tube#:
Sam_Type: LCS
QC_Batch: 071409-GC1
Air Volume: 1 ml

Date Sampled: NA
Date Received: NA
Date Extracted: NA
Date Analyzed: 07/14/09 **Time:** 13:11
Can Dilution Factor: 1.00 2
QC Duplicate: No

CAS#	Compound	MDL ppmV	Spike Conc ppmV	Amount ppmV	Matrix Amt ppmV	Spk Amt ppmV	Percent Recovery	LCL %	UCL %	Flag
74-84-0	Ethane	0.05	15.10	14.97	0.000	14.97	99	70	130	
74-98-6	Propane	0.05	15.00	17.54	0.000	17.54	117	70	130	
106-97-8	n-Butane	0.05	15.00	16.61	0.000	16.61	111	70	130	
109-66-0	n-Pentane	0.05	15.40	16.32	0.000	16.32	106	70	130	
110-54-3	n-Hexane	0.05	14.70	16.01	0.000	16.01	109	70	130	

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

LABORATORY CONTROL DUPLICATE

EPA Method TO-3 Modified GC/FID **SDG: LABQC**
Analytical Method: **TO-3**

File: QC07149B.D
Description: ST60064
Can/Tube#:
Sam_Type: LCD
QC_Batch: 071409-GC1
Air Volume: 1 ml

Date Sampled: NA
Date Received: NA
Date Extracted: NA
Date Analyzed: 07/14/09 **Time:** 13:35
Can Dilution Factor: 1.00 2
QC Duplicate: Yes

CAS#	Compound	MDL ppmV	Spike Conc ppmV	Amount ppmV	Matrix Amt ppmV	Spk Amt ppmV	Percent Recovery	LCL %	UCL %	Flag
74-84-0	Ethane	0.05	15.10	14.98	0.000	14.98	99	70	130	
74-98-6	Propane	0.05	15.00	18.22	0.000	18.22	121	70	130	
106-97-8	n-Butane	0.05	15.00	17.37	0.000	17.37	116	70	130	
109-66-0	n-Pentane	0.05	15.40	16.78	0.000	16.78	109	70	130	
110-54-3	n-Hexane	0.05	14.70	16.68	0.000	16.68	113	70	130	

V. ANALYTICAL RESULTS

SDG Numbers: 209302
Client: Zymax Forensics

The following pages contain the certified reports for the analytical methods and the compounds requested. The reports are in order of analytical method then EAS ID number. A brief description of the units that appear on the reports is given below:

ppbV, ppmV, Percent

Parts per billion by volume (also known as mole ratio) and other related units. This is the primary reporting unit for all volatile organic compound analysis except the hydrocarbon speciation and total hydrocarbons. This unit is independent of temperature and pressure.

$$ppbV = \frac{\text{nanomoles of compound}}{\text{moles of air}}$$

ug/m3, mg/m3

Micrograms of compound per cubic meter of air and other related units. This is the primary reporting unit for semi volatile organic compounds. It is not a primary reporting unit for volatile organic compounds because it is temperature and pressure dependent, so the result will vary depending on the conditions when the sample was collected. EAS provides the units on its analytical reports as a convenience to the client, but they should be used with caution. The following equation can be used to convert from ppbV to ug/m3.

$$ug/m3 = \frac{ppbV \times MW\ compound}{23.68}$$

23.68 is the molar volume of a gas at 60 F and 1 atm pressure

ppbC, ppmC

Parts per billion by volume as carbon (methane) and other related units. This unit is the primary reporting unit for hydrocarbon analysis, even if it does not appear on the report. This unit is used because the flame ionization detector response is proportional to the number of carbons in the compound, so an accurate concentration can be reported even if the identification of the compound is not known.

$$ppbC = ppbV \times \text{number of carbons in compound}$$

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1946 GC/TCD
Analytical Method: **ASTM D 1946**

SDG: **209302**
Laboratory Number: **01**

File:	0930201A.D	**Date Sampled:**	07/08/09	**Time:**	
Description:	SV-1	**Date Received:**	07/14/09		
Can/Tube#:	TBAG	**Date Extracted:**			
Sam_Type:	SA	**Date Analyzed:**	07/14/09	**Time:**	17:34
QC_Batch:	071409-GC5	**Can Dilution Factor:**	1.00		0
Air Volume:	0.5 ml	**Not Detected Flag:**	ND		3

CAS#	Compound	MDL ppmv	MDL %	RL ppmv	RL %	Sample Concentration ppmv	Sample Concentration %	Flag
74-82-8	Methane	10	0.001	30	0.003	1,644	0.164	

Notes: 1) U and ND are Flags used for Not Detected
2) %* Indicates sample concentration is normalized to 100% (only available for complete analysis)
3) J is a flag for a result between the MDL and the RL (or lower quantitation limit, LQL)
4) Argon co-elutes with Oxygen; Atmospheric Argon is 0.946%

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-3 Modified GC/FID
Analytical Method: TO-3

SDG: 209302
Laboratory Number: 01

File: 0930201A.D
Description: SV-1
Can/Tube#: TBAG
Sam_Type: SA
QC_Batch: 071409-GC1
Air Volume: 0.1 ml

Date Sampled: 07/08/09 **Time:**
Date Received: 07/14/09
Date Extracted:
Date Analyzed: 07/14/09 **Time:** 16:05
Can Dilution Factor: 1.00 2
Not Detected Flag: ND

CAS#	Compound	MDL ppmV	RL ppmV	Amount ppmV	MDL mg/m3	RL mg/m3	Amount mg/m3	Flag
74-85-1	Ethene	1.00	7.35	ND	1.19	8.72	ND	ND
74-86-2	Acetylene	1.00	7.35	ND	1.10	8.07	ND	ND
74-84-0	Ethane	0.50	7.35	ND	0.64	9.34	ND	ND
115-07-1	Propene	0.67	7.35	ND	1.19	13.07	ND	ND
74-98-6	Propane	0.50	7.35	ND	0.93	13.69	ND	ND
75-28-5	i-Butane	0.67	7.35	ND	1.64	18.03	ND	ND
67-56-1	Methanol	1.00	7.35	ND	1.35	9.93	ND	ND
106-98-9	1-Butene	0.67	7.35	ND	1.58	17.41	ND	ND
106-99-0	1,3-Butadiene	0.50	7.35	ND	1.14	16.79	ND	ND
106-97-8	n-Butane	0.50	7.35	ND	1.23	18.03	ND	ND
624-64-6	t-2-Butene	0.67	7.35	ND	1.58	17.41	ND	ND
590-18-1	c-2-Butene	0.67	7.35	ND	1.58	17.41	ND	ND
64-17-5	Ethanol	1.00	7.35	ND	1.95	14.31	ND	ND
563-45-1	3-Methyl-1-butene	0.67	7.35	ND	1.97	21.76	ND	ND
67-64-1	Acetone	1.00	7.35	ND	2.45	18.03	ND	ND
78-78-4	i-Pentane	0.50	7.35	ND	1.52	22.41	ND	ND
109-67-1	1-Pentene	0.67	7.35	ND	1.97	21.76	ND	ND
67-63-0	Isopropanol	1.00	7.35	ND	2.54	18.65	ND	ND
563-46-2	2-Methyl-1-butene	0.67	7.35	ND	1.97	21.76	ND	ND
109-66-0	n-Pentane	0.50	7.35	ND	1.52	22.38	ND	ND
78-79-5	Isoprene	0.67	7.35	ND	1.92	21.14	ND	ND
646-04-8	t-2-Pentene	0.67	7.35	ND	1.97	21.76	ND	ND
627-20-3	c-2-Pentene	0.67	7.35	ND	1.97	21.76	ND	ND
75-65-0	Tert butyl alcohol	1.00	7.35	ND	3.13	23.00	ND	ND
513-35-9	2-Methyl-2-butene	0.67	7.35	ND	1.97	21.76	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	7.35	ND	2.43	26.76	ND	ND
142-29-0	Cyclopentene	0.50	7.35	ND	1.44	21.14	ND	ND
71-23-8	n-Propanol	1.00	7.35	ND	2.54	18.65	ND	ND
287-92-3	Cyclopentane	0.50	7.35	ND	1.48	21.76	ND	ND
1634-04-4	Methyl tert butyl ether	1.00	7.35	ND	3.72	27.38	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	7.35	ND	2.43	26.76	ND	ND
107-83-5	2-Methylpentane	0.67	7.35	ND	2.43	26.76	ND	ND
96-14-0	3-Methylpentane	0.67	7.35	ND	2.43	26.76	ND	ND
592-41-6	1-Hexene	0.67	7.35	ND	2.37	26.13	ND	ND
110-54-3	n-Hexane	0.50	7.35	ND	1.82	26.76	ND	ND
108-20-3	Diisopropyl ether	1.00	7.35	ND	4.32	31.72	ND	ND
1120-62-3	3-Methylcyclopentene	0.67	7.35	ND	2.31	25.48	ND	ND
637-92-3	Ethyl tert butyl ether	1.00	7.35	ND	4.32	31.72	ND	ND
96-37-7	Methylcyclopentane	0.67	7.35	ND	2.37	26.13	ND	ND
108-08-7	2,4-Dimethylpentane	0.67	7.35	ND	2.82	31.10	ND	ND

CAS#	Compound	MDL ppmV	RL ppmV	Amount ppmV	MDL mg/m3	RL mg/m3	Amount mg/m3	Flag
71-43-2	Benzene	0.50	7.35	ND	1.65	24.24	ND	ND
110-82-7	Cyclohexane	0.50	7.35	ND	1.78	26.13	ND	ND
591-76-4	2-Methylhexane	0.67	7.35	ND	2.82	31.10	ND	ND
565-59-3	2,3-Dimethylpentane	0.67	7.35	ND	2.82	31.10	ND	ND
589-34-4	3-Methylhexane	0.67	7.35	ND	2.82	31.10	ND	ND
6094-02-6	2-Methyl-1hexene	0.67	7.35	ND	2.76	30.48	ND	ND
994-05-8	Tert amyl methyl ether	0.67	7.35	ND	2.88	31.72	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.67	7.35	ND	3.22	35.45	ND	ND
142-82-5	n-Heptane	0.50	7.35	ND	2.12	31.10	ND	ND
108-87-2	Methylcyclohexane	1.00	7.35	ND	4.15	30.48	ND	ND
592-13-2	2,5-Dimethylhexane	1.00	7.35	ND	4.82	35.45	ND	ND
589-43-5	2,4-Dimethylhexane	1.00	7.35	ND	4.82	35.45	ND	ND
565-75-3	2,3,4-Trimethylpentane	1.00	7.35	ND	4.82	35.45	ND	ND
108-88-3	Toluene	0.50	7.35	ND	1.94	28.59	ND	ND
584-94-1	2,3-Dimethylhexane	1.00	7.35	ND	4.82	35.45	ND	ND
592-27-8	2-Methylheptane	1.00	7.35	ND	4.82	35.45	ND	ND
589-53-7	4-Methylheptane	1.00	7.35	ND	4.82	35.45	ND	ND
1067-08-9	3-Ethyl-3-methylpentane	1.00	7.35	ND	4.82	35.45	ND	ND
589-81-1	3-Methylheptane	1.00	7.35	ND	4.82	35.45	ND	ND
15870-10-7	2-Methyl-1-heptene	1.00	7.35	ND	4.74	34.83	ND	ND
111-65-9	n-Octane	0.50	7.35	ND	2.41	35.45	ND	ND
100-41-4	Ethylbenzene	0.50	7.35	ND	2.24	32.96	ND	ND
108-38-3	m,p-xylene	0.50	7.35	ND	2.24	32.96	ND	ND
100-42-5	Styrene	1.00	7.35	ND	4.40	32.34	ND	ND
95-47-6	o-xylene	0.50	7.35	ND	2.24	32.96	ND	ND
124-11-8	1-Nonene	1.00	7.35	ND	5.33	39.17	ND	ND
111-84-2	n-Nonane	0.67	7.35	ND	3.61	39.82	ND	ND
98-82-8	i-Propylbenzene	1.00	7.35	ND	5.08	37.31	ND	ND
103-65-1	n-propylbenzene	1.00	7.35	ND	5.08	37.31	ND	ND
80-56-8	a-Pinene	1.00	7.35	ND	5.75	42.27	ND	ND
620-14-4	3-Ethyltoluene	1.00	7.35	ND	5.08	37.31	ND	ND
622-96-8	4-Ethyltoluene	1.00	7.35	ND	5.08	37.31	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.67	7.35	ND	3.38	37.31	ND	ND
611-14-3	2-Ethyltoluene	1.00	7.35	ND	5.08	37.31	ND	ND
127-91-3	b-Pinene	1.00	7.35	1.40	5.75	42.27	8.06	J
95-63-6	1,2,4-Trimethylbenzene	0.67	7.35	ND	3.38	37.31	ND	ND
124-18-5	n-Decane	0.67	7.35	ND	4.01	44.17	ND	ND
526-73-8	1,2,3-Trimethylbenzene	1.00	7.35	ND	5.08	37.31	ND	ND
496-11-7	Indan	1.00	7.35	ND	4.99	36.69	ND	ND
5989-27-5	d-Limonene	1.00	7.35	ND	5.75	42.27	ND	ND
141-93-5	1,3-Diethylbenzene	1.00	7.35	2.49	5.67	41.65	14.09	J
105-05-5	1,4-Diethylbenzene	1.00	7.35	ND	5.67	41.65	ND	ND
104-51-8	n-Butylbenzene	0.67	7.35	1.53	3.78	41.65	8.65	J
1758-88-9	1,4-Dimethyl-2-ethylbenzene	1.00	7.35	2.95	5.67	41.65	16.74	J
874-41-9	1,3-Dimethyl-4-ethylbenzene	1.00	7.35	ND	5.67	41.65	ND	ND
934-80-5	1,2-Dimethyl-4-ethylbenzene	1.00	7.35	ND	5.67	41.65	ND	ND
1120-21-4	Undecane	1.00	7.35	1.49	6.60	48.51	9.86	J
95-93-2	1,2,4,5-Tetramethylbenzene	1.00	7.35	5.67	5.67	41.65	32.14	J
527-53-7	1,2,3,5-Tetramethylbenzene	1.00	7.35	ND	5.67	41.65	ND	ND
91-20-3	Naphthalene	1.00	7.35	ND	5.41	39.79	ND	ND
112-40-3	Dodecane	1.00	7.35	ND	7.19	52.86	ND	ND

CAS#	Compound	MDL ppmV	RL ppmV	Amount ppmV	MDL mg/m3	RL mg/m3	Amount mg/m3	Flag
Abbreviatior	**Total Petroleum Hydrocarbons:**							
TNMHC	Total Non-Methane Hydrocarbons	16.67	73.50	118.88	60.67	267.55	432.75	
	Sample: Composition			**ppbC**			**Percent**	
	Total Identified			188.67			26.45	
P	Paraffins			25.23			13.37	
I	Isoparaffins			0.00			0.00	
A	Aromatics			143.10			75.85	
N	Napthlenes			0.00			0.00	
O	Olefins			20.34			10.78	
	Oxygenates			0.00			0.00	

Notes: 1) Reported results are to be interpreted to two significant figures.
2) ug/m3 = ppbV*FW/23.68 calculated assuming conditions at 60 F and 1 atm.
3) MDL and RL are adjusted for sample volume and can dilution.
4) U and ND are Flags used for Not Detected
5) J is a flag for a result between the MDL and the RL (or lower quantitation limit, LQL)

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1946 GC/TCD
Analytical Method: **ASTM D 1946**

SDG: **209302**
Laboratory Number: **02**

File:	0930202A.D	**Date Sampled:**	07/09/09	**Time:**	
Description:	SV-13	**Date Received:**	07/14/09		
Can/Tube#:	TBAG	**Date Extracted:**			
Sam_Type:	SA	**Date Analyzed:**	07/14/09	**Time:**	17:51
QC_Batch:	071409-GC5	**Can Dilution Factor:**	1.00		0
Air Volume:	0.5 ml	**Not Detected Flag:**	ND		3

CAS#	Compound	MDL ppmv	MDL %	RL ppmv	RL %	Sample Concentration ppmv	Sample Concentration %	Flag
74-82-8	Methane	10	0.001	30	0.003	0	0.000	U

Notes: 1) U and ND are Flags used for Not Detected
2) %* Indicates sample concentration is normalized to 100% (only available for complete analysis)
3) J is a flag for a result between the MDL and the RL (or lower quantitation limit, LQL)
4) Argon co-elutes with Oxygen; Atmospheric Argon is 0.946%

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-3 Modified GC/FID
Analytical Method: TO-3

SDG: 209302
Laboratory Number: 02

File: 0930202A.D
Description: SV-13
Can/Tube#: TBAG
Sam_Type: SA
QC_Batch: 071409-GC1
Air Volume: 0.1 ml

Date Sampled: 07/09/09 **Time:**
Date Received: 07/14/09
Date Extracted:
Date Analyzed: 07/14/09 **Time:** 17:14
Can Dilution Factor: 1.00 2
Not Detected Flag: ND

CAS#	Compound	MDL ppmV	RL ppmV	Amount ppmV	MDL mg/m3	RL mg/m3	Amount mg/m3	Flag
74-85-1	Ethene	1.00	7.35	ND	1.19	8.72	ND	ND
74-86-2	Acetylene	1.00	7.35	ND	1.10	8.07	ND	ND
74-84-0	Ethane	0.50	7.35	ND	0.64	9.34	ND	ND
115-07-1	Propene	0.67	7.35	ND	1.19	13.07	ND	ND
74-98-6	Propane	0.50	7.35	ND	0.93	13.69	ND	ND
75-28-5	i-Butane	0.67	7.35	ND	1.64	18.03	ND	ND
67-56-1	Methanol	1.00	7.35	ND	1.35	9.93	ND	ND
106-98-9	1-Butene	0.67	7.35	ND	1.58	17.41	ND	ND
106-99-0	1,3-Butadiene	0.50	7.35	ND	1.14	16.79	ND	ND
106-97-8	n-Butane	0.50	7.35	ND	1.23	18.03	ND	ND
624-64-6	t-2-Butene	0.67	7.35	ND	1.58	17.41	ND	ND
590-18-1	c-2-Butene	0.67	7.35	ND	1.58	17.41	ND	ND
64-17-5	Ethanol	1.00	7.35	ND	1.95	14.31	ND	ND
563-45-1	3-Methyl-1-butene	0.67	7.35	ND	1.97	21.76	ND	ND
67-64-1	Acetone	1.00	7.35	ND	2.45	18.03	ND	ND
78-78-4	i-Pentane	0.50	7.35	ND	1.52	22.41	ND	ND
109-67-1	1-Pentene	0.67	7.35	ND	1.97	21.76	ND	ND
67-63-0	Isopropanol	1.00	7.35	ND	2.54	18.65	ND	ND
563-46-2	2-Methyl-1-butene	0.67	7.35	ND	1.97	21.76	ND	ND
109-66-0	n-Pentane	0.50	7.35	ND	1.52	22.38	ND	ND
78-79-5	Isoprene	0.67	7.35	ND	1.92	21.14	ND	ND
646-04-8	t-2-Pentene	0.67	7.35	ND	1.97	21.76	ND	ND
627-20-3	c-2-Pentene	0.67	7.35	ND	1.97	21.76	ND	ND
75-65-0	Tert butyl alcohol	1.00	7.35	ND	3.13	23.00	ND	ND
513-35-9	2-Methyl-2-butene	0.67	7.35	0.70	1.97	21.76	2.08	J
75-83-2	2,2-Dimethylbutane	0.67	7.35	ND	2.43	26.76	ND	ND
142-29-0	Cyclopentene	0.50	7.35	ND	1.44	21.14	ND	ND
71-23-8	n-Propanol	1.00	7.35	ND	2.54	18.65	ND	ND
287-92-3	Cyclopentane	0.50	7.35	ND	1.48	21.76	ND	ND
1634-04-4	Methyl tert butyl ether	1.00	7.35	ND	3.72	27.38	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	7.35	ND	2.43	26.76	ND	ND
107-83-5	2-Methylpentane	0.67	7.35	ND	2.43	26.76	ND	ND
96-14-0	3-Methylpentane	0.67	7.35	ND	2.43	26.76	ND	ND
592-41-6	1-Hexene	0.67	7.35	ND	2.37	26.13	ND	ND
110-54-3	n-Hexane	0.50	7.35	ND	1.82	26.76	ND	ND
108-20-3	Diisopropyl ether	1.00	7.35	ND	4.32	31.72	ND	ND
1120-62-3	3-Methylcyclopentene	0.67	7.35	ND	2.31	25.48	ND	ND
637-92-3	Ethyl tert butyl ether	1.00	7.35	ND	4.32	31.72	ND	ND
96-37-7	Methylcyclopentane	0.67	7.35	ND	2.37	26.13	ND	ND
108-08-7	2,4-Dimethylpentane	0.67	7.35	ND	2.82	31.10	ND	ND

CAS#	Compound	MDL ppmV	RL ppmV	Amount ppmV	MDL mg/m3	RL mg/m3	Amount mg/m3	Flag
71-43-2	Benzene	0.50	7.35	ND	1.65	24.24	ND	ND
110-82-7	Cyclohexane	0.50	7.35	ND	1.78	26.13	ND	ND
591-76-4	2-Methylhexane	0.67	7.35	ND	2.82	31.10	ND	ND
565-59-3	2,3-Dimethylpentane	0.67	7.35	ND	2.82	31.10	ND	ND
589-34-4	3-Methylhexane	0.67	7.35	ND	2.82	31.10	ND	ND
6094-02-6	2-Methyl-1hexene	0.67	7.35	ND	2.76	30.48	ND	ND
994-05-8	Tert amyl methyl ether	0.67	7.35	ND	2.88	31.72	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.67	7.35	ND	3.22	35.45	ND	ND
142-82-5	n-Heptane	0.50	7.35	ND	2.12	31.10	ND	ND
108-87-2	Methylcyclohexane	1.00	7.35	ND	4.15	30.48	ND	ND
592-13-2	2,5-Dimethylhexane	1.00	7.35	ND	4.82	35.45	ND	ND
589-43-5	2,4-Dimethylhexane	1.00	7.35	ND	4.82	35.45	ND	ND
565-75-3	2,3,4-Trimethylpentane	1.00	7.35	ND	4.82	35.45	ND	ND
108-88-3	Toluene	0.50	7.35	ND	1.94	28.59	ND	ND
584-94-1	2,3-Dimethylhexane	1.00	7.35	ND	4.82	35.45	ND	ND
592-27-8	2-Methylheptane	1.00	7.35	ND	4.82	35.45	ND	ND
589-53-7	4-Methylheptane	1.00	7.35	ND	4.82	35.45	ND	ND
1067-08-9	3-Ethyl-3-methylpentane	1.00	7.35	ND	4.82	35.45	ND	ND
589-81-1	3-Methylheptane	1.00	7.35	ND	4.82	35.45	ND	ND
15870-10-7	2-Methyl-1-heptene	1.00	7.35	ND	4.74	34.83	ND	ND
111-65-9	n-Octane	0.50	7.35	ND	2.41	35.45	ND	ND
100-41-4	Ethylbenzene	0.50	7.35	ND	2.24	32.96	ND	ND
108-38-3	m,p-xylene	0.50	7.35	ND	2.24	32.96	ND	ND
100-42-5	Styrene	1.00	7.35	ND	4.40	32.34	ND	ND
95-47-6	o-xylene	0.50	7.35	ND	2.24	32.96	ND	ND
124-11-8	1-Nonene	1.00	7.35	ND	5.33	39.17	ND	ND
111-84-2	n-Nonane	0.67	7.35	ND	3.61	39.82	ND	ND
98-82-8	i-Propylbenzene	1.00	7.35	ND	5.08	37.31	ND	ND
103-65-1	n-propylbenzene	1.00	7.35	ND	5.08	37.31	ND	ND
80-56-8	a-Pinene	1.00	7.35	ND	5.75	42.27	ND	ND
620-14-4	3-Ethyltoluene	1.00	7.35	ND	5.08	37.31	ND	ND
622-96-8	4-Ethyltoluene	1.00	7.35	ND	5.08	37.31	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.67	7.35	ND	3.38	37.31	ND	ND
611-14-3	2-Ethyltoluene	1.00	7.35	ND	5.08	37.31	ND	ND
127-91-3	b-Pinene	1.00	7.35	ND	5.75	42.27	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.67	7.35	ND	3.38	37.31	ND	ND
124-18-5	n-Decane	0.67	7.35	ND	4.01	44.17	ND	ND
526-73-8	1,2,3-Trimethylbenzene	1.00	7.35	ND	5.08	37.31	ND	ND
496-11-7	Indan	1.00	7.35	ND	4.99	36.69	ND	ND
5989-27-5	d-Limonene	1.00	7.35	ND	5.75	42.27	ND	ND
141-93-5	1,3-Diethylbenzene	1.00	7.35	1.29	5.67	41.65	7.32	J
105-05-5	1,4-Diethylbenzene	1.00	7.35	ND	5.67	41.65	ND	ND
104-51-8	n-Butylbenzene	0.67	7.35	0.94	3.78	41.65	5.35	J
1758-88-9	1,4-Dimethyl-2-ethylbenzene	1.00	7.35	1.46	5.67	41.65	8.28	J
874-41-9	1,3-Dimethyl-4-ethylbenzene	1.00	7.35	ND	5.67	41.65	ND	ND
934-80-5	1,2-Dimethyl-4-ethylbenzene	1.00	7.35	ND	5.67	41.65	ND	ND
1120-21-4	Undecane	1.00	7.35	ND	6.60	48.51	ND	ND
95-93-2	1,2,4,5-Tetramethylbenzene	1.00	7.35	4.55	5.67	41.65	25.78	J
527-53-7	1,2,3,5-Tetramethylbenzene	1.00	7.35	ND	5.67	41.65	ND	ND
91-20-3	Naphthalene	1.00	7.35	ND	5.41	39.79	ND	ND
112-40-3	Dodecane	1.00	7.35	ND	7.19	52.86	ND	ND

CAS#	Compound	MDL ppmV	RL ppmV	Amount ppmV	MDL mg/m3	RL mg/m3	Amount mg/m3	Flag
Abbreviatior	**Total Petroleum Hydrocarbons:**							
TNMHC	Total Non-Methane Hydrocarbons	16.67	73.50	91.43	60.67	267.55	332.82	
	Sample: Composition			**ppbC**			**Percent**	
	Total Identified			139.82			25.49	
P	Paraffins			19.98			14.29	
I	Isoparaffins			0.00			0.00	
A	Aromatics			102.17			73.07	
N	Napthlenes			0.00			0.00	
O	Olefins			17.67			12.64	
	Oxygenates			0.00			0.00	

Notes: 1) Reported results are to be interpreted to two significant figures.
2) ug/m3 = ppbV*FW/23.68 calculated assuming conditions at 60 F and 1 atm.
3) MDL and RL are adjusted for sample volume and can dilution.
4) U and ND are Flags used for Not Detected
5) J is a flag for a result between the MDL and the RL (or lower quantitation limit, LQL)

Data Qualifiers, Abbreviations and Definitions

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Qualifiers

*	See Case Narrative
B	This compound was detected in the blank above the Reporting Limit (RL)
D	This report was calculated from a secondary dilution factor
E	Compound exceeds the calibration range and is an estimated value
J	The amount reported is an estimated value because it is between the Reporting Limit (RL) and the Method Detection Limit (MDL)
F	Higher detection limit due to sample matrix
G	Higher detection limit due to limited sample size
Q	Compound secondary ion ratio qualifiers are outside the standard acceptance criteria
R	Compound secondary retention time (RT) is outside the acceptance criteria for the method
U	Compound is less than the Method Detection Limit (MDL)

Abbreviations

MDL Minimum Detection Limit – Instrument detection limit

The minimum detectable level (MDL) is the lowest concentration of a substance that can be measured with confidence. The MDL is calculated at the 99% confidence level from seven repetitive measurements on a sample whose concentration does not exceed 10 times the estimated MDL (Glasser et. al. 1981; Long and Winefordner, 1983). Generating an MDL study, a sample is prepared in the appropriate matrix with components near the estimated MDL, which is about 3 times the instrument noise level. This sample is run seven consecutive times and the standard deviation (S) is calculated. The MDL is determined using the following formula: MDL = 3.14*S

ND Not Detected – a reported limit
NA Not Applicable
RPD Relative Percent Difference

The relative percent difference for a pair of duplicate samples is calculated from repetitive runs on sample pairs representative of the types of samples that are analyzed. The RPD provides information on the precision or reproducibility of the actual measurement process. The RPD is calculated for a particular compound from the average using the following formula:

$$RPD(\%) = \frac{\text{Difference} * 100}{\text{Average}}$$

RSD Relative Standard Deviation

The relative standard deviation is reported as a percentage deviation at a particular concentration using the following equation:

$$RSD\ (\%) = \frac{S * 100}{\text{Average}}$$

Definitions

ppbV $= \frac{\text{\# nanomoles cmpd}}{\text{\# moles air}} = \frac{\text{ppbC}}{\text{\# carbons in cmpd}}$

Compound is reported as ppb of compound by Volume

This unit is temperature independent

ug/m^3 $= \text{ppbV} \times \frac{\text{MW compound}}{23.68}$

Compound is reported as ug of a compound in a m^3 of air

23.68 is the molar volume of a gas at 60 ° F and 1 atm pressure

MW = molecular weight

This unit is temperature dependent

ppbC = ppbV x # carbons in compound