

**VOLUME VII
Remedial Investigation Report
South Mesa WQARF Registry Site
Mesa, Arizona
ADEQ Task Assignment EV11-0084**

Prepared for:

**Arizona Department of Environmental Quality
Waste Programs Division
1110 West Washington Street
Phoenix, Arizona 85007**

Prepared by:

**AMEC Environment & Infrastructure, Inc.
Phoenix, Arizona**

June 7, 2013

AMEC Project No. 14-2012-2022.04.01



TABLE OF CONTENTS

LIST OF APPENDICES

VOLUME VII

Appendix N SVE System Vapor Sample Analytical Reports (Continued)



APPENDIX N

SVE VAPOR SAMPLE ANALYTICAL RESULTS (Continued)



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

REPORT DATE 8/15/2005

MACTEC ENGINEERING & CONSULTING - AZ
3630 EAST WIER AVENUE
PHOENIX, AZ 85040
ATTN: JIM CLARKE

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-90833
JOB NUMBER: 4972-04-2034

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: SOUTH MESA

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST
EFF	05B32155	AIR	CT1154	to-15 ppbv
EFF	05B32155	AIR	CT1154	to-15 ug/m3
INF	05B32153	AIR	CT1080	to-15 ppbv
INF	05B32153	AIR	CT1080	to-15 ug/m3
INT	05B32154	AIR	CT1125	to-15 ppbv
INT	05B32154	AIR	CT1125	to-15 ug/m3
VW5-AB	05B32156	AIR	CT1091	to-15 ppbv
VW5-AB	05B32156	AIR	CT1091	to-15 ug/m3
VW7-B	05B32157	AIR	CT1141	to-15 ppbv
VW7-B	05B32157	AIR	CT1141	to-15 ug/m3

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations :

AIHA 100033	AIHA ELLAP (LEAD) 100033	
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	ARIZONA AZ0648
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	ARIZONA AZ0654 (AIR)

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Edward Denson 8/17/05

SIGNATURE

DATE

Tod Kopyscinski
Director of Operations

Sondra S. Kocot
Quality Control Coordinator

Edward Denson
Technical Director



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

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PHOENIX, AZ 85040

8/17/2005
Page 1 of 31

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: EFF

Purchase Order No.:

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID: 05B32155

Sampled: 8/3/2005
CT1154

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Acetone	PPBv	6.9	08/09/05	TPH	1.0			
Benzene	PPBv	ND	08/09/05	TPH	1.0			
Benzyl Chloride	PPBv	ND	08/09/05	TPH	1.0			
Bromodichloromethane	PPBv	ND	08/09/05	TPH	1.0			
Bromomethane	PPBv	ND	08/09/05	TPH	1.0			
1,3-Butadiene	PPBv	ND	08/09/05	TPH	1.0			
2-Butanone (MEK)	PPBv	ND	08/09/05	TPH	1.0			
Carbon Disulfide	PPBv	ND	08/09/05	TPH	1.0			
Carbon Tetrachloride	PPBv	ND	08/09/05	TPH	1.0			
Chlorobenzene	PPBv	ND	08/09/05	TPH	1.0			
Chlorodibromomethane	PPBv	ND	08/09/05	TPH	1.0			
Chloroethane	PPBv	ND	08/09/05	TPH	1.0			
Chloroform	PPBv	ND	08/09/05	TPH	1.0			
Chloromethane	PPBv	ND	08/09/05	TPH	1.0			
Cyclohexane	PPBv	ND	08/09/05	TPH	1.0			
1,2-Dibromoethane	PPBv	ND	08/09/05	TPH	1.0			
1,2-Dichlorobenzene	PPBv	ND	08/09/05	TPH	1.0			
1,3-Dichlorobenzene	PPBv	ND	08/09/05	TPH	1.0			
1,4-Dichlorobenzene	PPBv	ND	08/09/05	TPH	1.0			
Dichlorodifluoromethane	PPBv	ND	08/09/05	TPH	1.0			
1,1-Dichloroethane	PPBv	2.8	08/09/05	TPH	1.0			
1,2-Dichloroethane	PPBv	ND	08/09/05	TPH	1.0			
1,1-Dichloroethylene	PPBv	5.3	08/09/05	TPH	1.0			
cis-1,2-Dichloroethylene	PPBv	7.6	08/09/05	TPH	1.0			
t-1,2-Dichloroethylene	PPBv	ND	08/09/05	TPH	1.0			
1,2-Dichloropropane	PPBv	ND	08/09/05	TPH	1.0			
cis-1,3-Dichloropropene	PPBv	ND	08/09/05	TPH	1.0			
trans-1,3-Dichloropropene	PPBv	ND	08/09/05	TPH	1.0			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	08/09/05	TPH	1.0			
Ethanol	PPBv	ND	08/09/05	TPH	1.0			

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



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Purchase Order No.:

8/17/2005

Page 2 of 31

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: EFF

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID: 05B32155

Sampled: 8/3/2005
CT1154

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Ethyl Acetate	PPBv	ND	08/09/05	TPH	1.0			
Ethylbenzene	PPBv	ND	08/09/05	TPH	1.0			
4-Ethyl Toluene	PPBv	ND	08/09/05	TPH	1.0			
n-Heptane	PPBv	ND	08/09/05	TPH	1.0			
Hexachlorobutadiene	PPBv	ND	08/09/05	TPH	1.0			
Hexane	PPBv	ND	08/09/05	TPH	1.0			
2-Hexanone	PPBv	ND	08/09/05	TPH	1.0			
Isopropanol	PPBv	ND	08/09/05	TPH	1.0			
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	08/09/05	TPH	1.0			
Methylene Chloride	PPBv	16.9	08/09/05	TPH	1.0			
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	08/09/05	TPH	1.0			
Propene	PPBv	ND	08/09/05	TPH	1.0			
Styrene	PPBv	ND	08/09/05	TPH	1.0			
1,1,2,2-Tetrachloroethane	PPBv	ND	08/09/05	TPH	1.0			
Tetrachloroethylene	PPBv	ND	08/09/05	TPH	1.0			
Tetrahydrofuran	PPBv	ND	08/09/05	TPH	1.0			
Toluene	PPBv	ND	08/09/05	TPH	1.0			
1,2,4-Trichlorobenzene	PPBv	ND	08/09/05	TPH	1.0			
1,1,1-Trichloroethane	PPBv	ND	08/09/05	TPH	1.0			
1,1,2-Trichloroethane	PPBv	ND	08/09/05	TPH	1.0			
Trichloroethylene	PPBv	ND	08/09/05	TPH	1.0			
Trichlorofluoromethane (Freon 11)	PPBv	2.5	08/09/05	TPH	1.0			
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	08/09/05	TPH	1.0			
1,2,4-Trimethylbenzene	PPBv	ND	08/09/05	TPH	1.0			
1,3,5-Trimethylbenzene	PPBv	ND	08/09/05	TPH	1.0			
Vinyl Acetate	PPBv	ND	08/09/05	TPH	1.0			
Vinyl Chloride	PPBv	ND	08/09/05	TPH	1.0			
m/p-Xylene	PPBv	ND	08/09/05	TPH	1.0			
o-Xylene	PPBv	ND	08/09/05	TPH	1.0			

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Purchase Order No.:

8/17/2005

Page 3 of 31

Project Location: SOUTH MESA

Date Received: 8/5/2005

Field Sample #: EFF

LIMS-BAT #: LIMS-90833

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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8/17/2005
Page 4 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: INF

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID: 05B32153

Sampled: 8/3/2005
CT1080

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Acetone	PPBv	14.2	08/09/05	TPH	2.0			
Benzene	PPBv	ND	08/09/05	TPH	2.0			
Benzyl Chloride	PPBv	ND	08/09/05	TPH	2.0			
Bromodichloromethane	PPBv	ND	08/09/05	TPH	2.0			
Bromomethane	PPBv	ND	08/09/05	TPH	2.0			
1,3-Butadiene	PPBv	ND	08/09/05	TPH	2.0			
2-Butanone (MEK)	PPBv	2.6	08/09/05	TPH	2.0			
Carbon Disulfide	PPBv	ND	08/09/05	TPH	2.0			
Carbon Tetrachloride	PPBv	ND	08/09/05	TPH	2.0			
Chlorobenzene	PPBv	ND	08/09/05	TPH	2.0			
Chlorodibromomethane	PPBv	ND	08/09/05	TPH	2.0			
Chloroethane	PPBv	ND	08/09/05	TPH	2.0			
Chloroform	PPBv	ND	08/09/05	TPH	2.0			
Chloromethane	PPBv	ND	08/09/05	TPH	2.0			
Cyclohexane	PPBv	ND	08/09/05	TPH	2.0			
1,2-Dibromoethane	PPBv	ND	08/09/05	TPH	2.0			
1,2-Dichlorobenzene	PPBv	ND	08/09/05	TPH	2.0			
1,3-Dichlorobenzene	PPBv	ND	08/09/05	TPH	2.0			
1,4-Dichlorobenzene	PPBv	ND	08/09/05	TPH	2.0			
Dichlorodifluoromethane	PPBv	ND	08/09/05	TPH	2.0			
1,1-Dichloroethane	PPBv	ND	08/09/05	TPH	2.0			
1,2-Dichloroethane	PPBv	ND	08/09/05	TPH	2.0			
1,1-Dichloroethylene	PPBv	ND	08/09/05	TPH	2.0			
cis-1,2-Dichloroethylene	PPBv	ND	08/09/05	TPH	2.0			
trans-1,2-Dichloroethylene	PPBv	ND	08/09/05	TPH	2.0			
1,2-Dichloropropane	PPBv	ND	08/09/05	TPH	2.0			
cis-1,3-Dichloropropene	PPBv	ND	08/09/05	TPH	2.0			
trans-1,3-Dichloropropene	PPBv	ND	08/09/05	TPH	2.0			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	08/09/05	TPH	2.0			
Ethanol	PPBv	9.9	08/09/05	TPH	2.0			

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8/17/2005
Page 5 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: INF

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID: 05B32153

Sampled: 8/3/2005
CT1080

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Ethyl Acetate	PPBv	ND	08/09/05	TPH	2.0		
Ethylbenzene	PPBv	ND	08/09/05	TPH	2.0		
4-Ethyl Toluene	PPBv	ND	08/09/05	TPH	2.0		
n-Heptane	PPBv	ND	08/09/05	TPH	2.0		
Hexachlorobutadiene	PPBv	ND	08/09/05	TPH	2.0		
Hexane	PPBv	ND	08/09/05	TPH	2.0		
2-Hexanone	PPBv	ND	08/09/05	TPH	2.0		
Isopropanol	PPBv	ND	08/09/05	TPH	2.0		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	08/09/05	TPH	2.0		
Methylene Chloride	PPBv	ND	08/09/05	TPH	2.0		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	08/09/05	TPH	2.0		
Propene	PPBv	ND	08/09/05	TPH	2.0		
Styrene	PPBv	ND	08/09/05	TPH	2.0		
1,1,2,2-Tetrachloroethane	PPBv	ND	08/09/05	TPH	2.0		
Tetrachloroethylene	PPBv	370.	08/09/05	TPH	2.0		
Tetrahydrofuran	PPBv	ND	08/09/05	TPH	2.0		
Toluene	PPBv	ND	08/09/05	TPH	2.0		
1,2,4-Trichlorobenzene	PPBv	ND	08/09/05	TPH	2.0		
1,1,1-Trichloroethane	PPBv	ND	08/09/05	TPH	2.0		
1,1,2-Trichloroethane	PPBv	ND	08/09/05	TPH	2.0		
Trichloroethylene	PPBv	ND	08/09/05	TPH	2.0		
Trichlorofluoromethane (Freon 11)	PPBv	ND	08/09/05	TPH	2.0		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	08/09/05	TPH	2.0		
1,2,4-Trimethylbenzene	PPBv	ND	08/09/05	TPH	2.0		
1,3,5-Trimethylbenzene	PPBv	ND	08/09/05	TPH	2.0		
Vinyl Acetate	PPBv	ND	08/09/05	TPH	2.0		
Vinyl Chloride	PPBv	ND	08/09/05	TPH	2.0		
m/p-Xylene	PPBv	ND	08/09/05	TPH	2.0		
o-Xylene	PPBv	ND	08/09/05	TPH	2.0		

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8/17/2005
Page 6 of 31

Purchase Order No.:

Project Location: SOUTH MESA

Date Received: 8/5/2005

Field Sample #: INF

LIMS-BAT #: LIMS-90833

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

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8/17/2005
Page 7 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: INT

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID: 05B32154

Sampled: 8/3/2005
CT1125

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Acetone	PPBv	14.7	08/09/05	TPH	1.0		
Benzene	PPBv	ND	08/09/05	TPH	1.0		
Benzyl Chloride	PPBv	ND	08/09/05	TPH	1.0		
Bromodichloromethane	PPBv	ND	08/09/05	TPH	1.0		
Bromomethane	PPBv	ND	08/09/05	TPH	1.0		
1,3-Butadiene	PPBv	ND	08/09/05	TPH	1.0		
2-Butanone (MEK)	PPBv	ND	08/09/05	TPH	1.0		
Carbon Disulfide	PPBv	ND	08/09/05	TPH	1.0		
Carbon Tetrachloride	PPBv	ND	08/09/05	TPH	1.0		
Chlorobenzene	PPBv	ND	08/09/05	TPH	1.0		
Chlorodibromomethane	PPBv	ND	08/09/05	TPH	1.0		
Chloroethane	PPBv	ND	08/09/05	TPH	1.0		
Chloroform	PPBv	2.9	08/09/05	TPH	1.0		
Chloromethane	PPBv	ND	08/09/05	TPH	1.0		
Cyclohexane	PPBv	ND	08/09/05	TPH	1.0		
1,2-Dibromoethane	PPBv	ND	08/09/05	TPH	1.0		
1,2-Dichlorobenzene	PPBv	ND	08/09/05	TPH	1.0		
1,3-Dichlorobenzene	PPBv	ND	08/09/05	TPH	1.0		
1,4-Dichlorobenzene	PPBv	ND	08/09/05	TPH	1.0		
Dichlorodifluoromethane	PPBv	ND	08/09/05	TPH	1.0		
1,1-Dichloroethane	PPBv	8.7	08/09/05	TPH	1.0		
1,2-Dichloroethane	PPBv	ND	08/09/05	TPH	1.0		
1,1-Dichloroethylene	PPBv	3.6	08/09/05	TPH	1.0		
cis-1,2-Dichloroethylene	PPBv	3.8	08/09/05	TPH	1.0		
t-1,2-Dichloroethylene	PPBv	ND	08/09/05	TPH	1.0		
1,2-Dichloropropane	PPBv	ND	08/09/05	TPH	1.0		
cis-1,3-Dichloropropene	PPBv	ND	08/09/05	TPH	1.0		
trans-1,3-Dichloropropene	PPBv	ND	08/09/05	TPH	1.0		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	08/09/05	TPH	1.0		
Ethanol	PPBv	ND	08/09/05	TPH	1.0		

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Purchase Order No.:

8/17/2005
Page 8 of 31

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: INT

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID: 05B32154

Sampled: 8/3/2005
CT1125

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Ethyl Acetate	PPBv	ND	08/09/05	TPH	1.0			
Ethylbenzene	PPBv	ND	08/09/05	TPH	1.0			
4-Ethyl Toluene	PPBv	ND	08/09/05	TPH	1.0			
n-Heptane	PPBv	ND	08/09/05	TPH	1.0			
Hexachlorobutadiene	PPBv	ND	08/09/05	TPH	1.0			
Hexane	PPBv	ND	08/09/05	TPH	1.0			
2-Hexanone	PPBv	ND	08/09/05	TPH	1.0			
Isopropanol	PPBv	ND	08/09/05	TPH	1.0			
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	08/09/05	TPH	1.0			
Methylene Chloride	PPBv	18.2	08/09/05	TPH	1.0			
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	08/09/05	TPH	1.0			
Propene	PPBv	ND	08/09/05	TPH	1.0			
Styrene	PPBv	ND	08/09/05	TPH	1.0			
1,1,2,2-Tetrachloroethane	PPBv	ND	08/09/05	TPH	1.0			
Tetrachloroethylene	PPBv	76.5	08/09/05	TPH	1.0			
Tetrahydrofuran	PPBv	ND	08/09/05	TPH	1.0			
Toluene	PPBv	2.4	08/09/05	TPH	1.0			
1,2,4-Trichlorobenzene	PPBv	ND	08/09/05	TPH	1.0			
1,1,1-Trichloroethane	PPBv	ND	08/09/05	TPH	1.0			
1,1,2-Trichloroethane	PPBv	ND	08/09/05	TPH	1.0			
Trichloroethylene	PPBv	1.6	08/09/05	TPH	1.0			
Trichlorofluoromethane (Freon 11)	PPBv	1.2	08/09/05	TPH	1.0			
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	08/09/05	TPH	1.0			
1,2,4-Trimethylbenzene	PPBv	ND	08/09/05	TPH	1.0			
1,3,5-Trimethylbenzene	PPBv	ND	08/09/05	TPH	1.0			
Vinyl Acetate	PPBv	ND	08/09/05	TPH	1.0			
Vinyl Chloride	PPBv	ND	08/09/05	TPH	1.0			
m/p-Xylene	PPBv	1.5	08/09/05	TPH	1.0			
o-Xylene	PPBv	ND	08/09/05	TPH	1.0			

RL = Reporting Limit

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NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



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MACTEC ENGINEERING & CONSULTING - AZ

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PHOENIX, AZ 85040

Purchase Order No.:

8/17/2005

Page 9 of 31

Project Location: SOUTH MESA

Date Received: 8/5/2005

Field Sample #: INT

LIMS-BAT #: LIMS-90833

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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PHOENIX, AZ 85040

8/17/2005
Page 10 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: VW5-AB

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID : 05B32156

Sampled : 8/3/2005
CT1091

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	PPBv	ND	08/09/05	TPH	2.0		
Benzene	PPBv	ND	08/09/05	TPH	2.0		
Benzyl Chloride	PPBv	ND	08/09/05	TPH	2.0		
Bromodichloromethane	PPBv	ND	08/09/05	TPH	2.0		
Bromomethane	PPBv	ND	08/09/05	TPH	2.0		
1,3-Butadiene	PPBv	ND	08/09/05	TPH	2.0		
2-Butanone (MEK)	PPBv	ND	08/09/05	TPH	2.0		
Carbon Disulfide	PPBv	ND	08/09/05	TPH	2.0		
Carbon Tetrachloride	PPBv	ND	08/09/05	TPH	2.0		
Chlorobenzene	PPBv	ND	08/09/05	TPH	2.0		
Chlorodibromomethane	PPBv	ND	08/09/05	TPH	2.0		
Chloroethane	PPBv	ND	08/09/05	TPH	2.0		
Chloroform	PPBv	5.6	08/09/05	TPH	2.0		
Chloromethane	PPBv	ND	08/09/05	TPH	2.0		
Cyclohexane	PPBv	ND	08/09/05	TPH	2.0		
1,2-Dibromoethane	PPBv	ND	08/09/05	TPH	2.0		
1,2-Dichlorobenzene	PPBv	ND	08/09/05	TPH	2.0		
1,3-Dichlorobenzene	PPBv	ND	08/09/05	TPH	2.0		
1,4-Dichlorobenzene	PPBv	ND	08/09/05	TPH	2.0		
Dichlorodifluoromethane	PPBv	ND	08/09/05	TPH	2.0		
1,1-Dichloroethane	PPBv	ND	08/09/05	TPH	2.0		
1,2-Dichloroethane	PPBv	ND	08/09/05	TPH	2.0		
1,1-Dichloroethylene	PPBv	ND	08/09/05	TPH	2.0		
cis-1,2-Dichloroethylene	PPBv	35.5	08/09/05	TPH	2.0		
t-1,2-Dichloroethylene	PPBv	ND	08/09/05	TPH	2.0		
1,2-Dichloropropane	PPBv	ND	08/09/05	TPH	2.0		
cis-1,3-Dichloropropene	PPBv	ND	08/09/05	TPH	2.0		
trans-1,3-Dichloropropene	PPBv	ND	08/09/05	TPH	2.0		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	08/09/05	TPH	2.0		
Ethanol	PPBv	ND	08/09/05	TPH	2.0		

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8/17/2005
Page 11 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: VW5-AB

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID: 05B32156

Sampled: 8/3/2005
CT1091

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Ethyl Acetate	PPBv	ND	08/09/05	TPH	2.0		
Ethylbenzene	PPBv	ND	08/09/05	TPH	2.0		
4-Ethyl Toluene	PPBv	ND	08/09/05	TPH	2.0		
n-Heptane	PPBv	ND	08/09/05	TPH	2.0		
Hexachlorobutadiene	PPBv	ND	08/09/05	TPH	2.0		
Hexane	PPBv	ND	08/09/05	TPH	2.0		
2-Hexanone	PPBv	ND	08/09/05	TPH	2.0		
Isopropanol	PPBv	ND	08/09/05	TPH	2.0		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	08/09/05	TPH	2.0		
Methylene Chloride	PPBv	530.	08/09/05	TPH	2.0		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	08/09/05	TPH	2.0		
Propene	PPBv	ND	08/09/05	TPH	2.0		
Styrene	PPBv	ND	08/09/05	TPH	2.0		
1,1,2,2-Tetrachloroethane	PPBv	ND	08/09/05	TPH	2.0		
Tetrachloroethylene	PPBv	136.	08/09/05	TPH	2.0		
Tetrahydrofuran	PPBv	ND	08/09/05	TPH	2.0		
Toluene	PPBv	ND	08/09/05	TPH	2.0		
1,2,4-Trichlorobenzene	PPBv	ND	08/09/05	TPH	2.0		
1,1,1-Trichloroethane	PPBv	ND	08/09/05	TPH	2.0		
1,1,2-Trichloroethane	PPBv	ND	08/09/05	TPH	2.0		
Trichloroethylene	PPBv	4.0	08/09/05	TPH	2.0		
Trichlorofluoromethane (Freon 11)	PPBv	4.7	08/09/05	TPH	2.0		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	08/09/05	TPH	2.0		
1,2,4-Trimethylbenzene	PPBv	6.8	08/09/05	TPH	2.0		
1,3,5-Trimethylbenzene	PPBv	2.0	08/09/05	TPH	2.0		
Vinyl Acetate	PPBv	ND	08/09/05	TPH	2.0		
Vinyl Chloride	PPBv	ND	08/09/05	TPH	2.0		
m/p-Xylene	PPBv	11.4	08/09/05	TPH	2.0		
o-Xylene	PPBv	ND	08/09/05	TPH	2.0		

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Purchase Order No.:

8/17/2005

Page 12 of 31

Project Location: SOUTH MESA

Date Received: 8/5/2005

Field Sample #: VW5-AB

LIMS-BAT #: LIMS-90833

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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8/17/2005
Page 13 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: VW7-B

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID: 05B32157

Sampled: 8/3/2005
CT1141

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Acetone	PPBv	ND	08/09/05	TPH	2.0		
Benzene	PPBv	ND	08/09/05	TPH	2.0		
Benzyl Chloride	PPBv	ND	08/09/05	TPH	2.0		
Bromodichloromethane	PPBv	ND	08/09/05	TPH	2.0		
Bromomethane	PPBv	ND	08/09/05	TPH	2.0		
1,3-Butadiene	PPBv	ND	08/09/05	TPH	2.0		
2-Butanone (MEK)	PPBv	ND	08/09/05	TPH	2.0		
Carbon Disulfide	PPBv	ND	08/09/05	TPH	2.0		
Carbon Tetrachloride	PPBv	ND	08/09/05	TPH	2.0		
Chlorobenzene	PPBv	ND	08/09/05	TPH	2.0		
Chlorodibromomethane	PPBv	ND	08/09/05	TPH	2.0		
Chloroethane	PPBv	ND	08/09/05	TPH	2.0		
Chloroform	PPBv	7.7	08/09/05	TPH	2.0		
Chloromethane	PPBv	ND	08/09/05	TPH	2.0		
Cyclohexane	PPBv	ND	08/09/05	TPH	2.0		
1,2-Dibromoethane	PPBv	ND	08/09/05	TPH	2.0		
1,2-Dichlorobenzene	PPBv	ND	08/09/05	TPH	2.0		
1,3-Dichlorobenzene	PPBv	ND	08/09/05	TPH	2.0		
1,4-Dichlorobenzene	PPBv	ND	08/09/05	TPH	2.0		
Dichlorodifluoromethane	PPBv	ND	08/09/05	TPH	2.0		
1,1-Dichloroethane	PPBv	35.5	08/09/05	TPH	2.0		
1,2-Dichloroethane	PPBv	ND	08/09/05	TPH	2.0		
1,1-Dichloroethylene	PPBv	29.0	08/09/05	TPH	2.0		
cis-1,2-Dichloroethylene	PPBv	6.4	08/09/05	TPH	2.0		
t-1,2-Dichloroethylene	PPBv	ND	08/09/05	TPH	2.0		
1,2-Dichloropropane	PPBv	15.6	08/09/05	TPH	2.0		
cis-1,3-Dichloropropene	PPBv	ND	08/09/05	TPH	2.0		
trans-1,3-Dichloropropene	PPBv	ND	08/09/05	TPH	2.0		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	08/09/05	TPH	2.0		
Ethanol	PPBv	ND	08/09/05	TPH	2.0		

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8/17/2005
Page 14 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: VW7-B

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID: 05B32157

Sampled: 8/3/2005
CT1141

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Ethyl Acetate	PPBv	ND	08/09/05	TPH	2.0		
Ethylbenzene	PPBv	ND	08/09/05	TPH	2.0		
4-Ethyl Toluene	PPBv	ND	08/09/05	TPH	2.0		
n-Heptane	PPBv	ND	08/09/05	TPH	2.0		
Hexachlorobutadiene	PPBv	ND	08/09/05	TPH	2.0		
Hexane	PPBv	ND	08/09/05	TPH	2.0		
2-Hexanone	PPBv	ND	08/09/05	TPH	2.0		
Isopropanol	PPBv	ND	08/09/05	TPH	2.0		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	08/09/05	TPH	2.0		
Methylene Chloride	PPBv	ND	08/09/05	TPH	2.0		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	08/09/05	TPH	2.0		
Propene	PPBv	ND	08/09/05	TPH	2.0		
Styrene	PPBv	ND	08/09/05	TPH	2.0		
1,1,2,2-Tetrachloroethane	PPBv	ND	08/09/05	TPH	2.0		
Tetrachloroethylene	PPBv	950	08/09/05	TPH	2.0		
Tetrahydrofuran	PPBv	ND	08/09/05	TPH	2.0		
Toluene	PPBv	ND	08/09/05	TPH	2.0		
1,2,4-Trichlorobenzene	PPBv	ND	08/09/05	TPH	2.0		
1,1,1-Trichloroethane	PPBv	ND	08/09/05	TPH	2.0		
1,1,2-Trichloroethane	PPBv	ND	08/09/05	TPH	2.0		
Trichloroethylene	PPBv	3.4	08/09/05	TPH	2.0		
Trichlorofluoromethane (Freon 11)	PPBv	5.5	08/09/05	TPH	2.0		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	08/09/05	TPH	2.0		
1,2,4-Trimethylbenzene	PPBv	ND	08/09/05	TPH	2.0		
1,3,5-Trimethylbenzene	PPBv	ND	08/09/05	TPH	2.0		
Vinyl Acetate	PPBv	ND	08/09/05	TPH	2.0		
Vinyl Chloride	PPBv	ND	08/09/05	TPH	2.0		
m/p-Xylene	PPBv	ND	08/09/05	TPH	2.0		
o-Xylene	PPBv	ND	08/09/05	TPH	2.0		

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8/17/2005
Page 15 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: VW7-B

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Analytical Method:
EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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8/17/2005
Page 16 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: EFF

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID : 05B32155

Sampled : 8/3/2005
CT1154

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	ug/m3	16.4	08/09/05	TPH	2.4			
Benzene	ug/m3	ND	08/09/05	TPH	3.2			
Benzyl Chloride	ug/m3	ND	08/09/05	TPH	5.2			
Bromodichloromethane	ug/m3	ND	08/09/05	TPH	6.8			
Bromomethane	ug/m3	ND	08/09/05	TPH	3.9			
1,3-Butadiene	ug/m3	ND	08/09/05	TPH	2.2			
2-Butanone (MEK)	ug/m3	ND	08/09/05	TPH	3.0			
Carbon Disulfide	ug/m3	ND	08/09/05	TPH	3.2			
Carbon Tetrachloride	ug/m3	ND	08/09/05	TPH	6.2			
Chlorobenzene	ug/m3	ND	08/09/05	TPH	4.6			
Chlorodibromomethane	ug/m3	ND	08/09/05	TPH	8.6			
Chloroethane	ug/m3	ND	08/09/05	TPH	2.7			
Chloroform	ug/m3	ND	08/09/05	TPH	4.9			
Chloromethane	ug/m3	ND	08/09/05	TPH	2.1			
Cyclohexane	ug/m3	ND	08/09/05	TPH	3.4			
1,2-Dibromoethane	ug/m3	ND	08/09/05	TPH	7.7			
1,2-Dichlorobenzene	ug/m3	ND	08/09/05	TPH	6.1			
1,3-Dichlorobenzene	ug/m3	ND	08/09/05	TPH	6.1			
1,4-Dichlorobenzene	ug/m3	ND	08/09/05	TPH	6.1			
Dichlorodifluoromethane	ug/m3	ND	08/09/05	TPH	5.0			
1,1-Dichloroethane	ug/m3	11.3	08/09/05	TPH	4.0			
1,2-Dichloroethane	ug/m3	ND	08/09/05	TPH	4.1			
1,1-Dichloroethylene	ug/m3	20.9	08/09/05	TPH	4.0			
cis-1,2-Dichloroethylene	ug/m3	30.1	08/09/05	TPH	4.0			
t-1,2-Dichloroethylene	ug/m3	ND	08/09/05	TPH	4.0			
1,2-Dichloropropane	ug/m3	ND	08/09/05	TPH	4.7			
cis-1,3-Dichloropropene	ug/m3	ND	08/09/05	TPH	4.6			
trans-1,3-Dichloropropene	ug/m3	ND	08/09/05	TPH	4.6			
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	08/09/05	TPH	7.0			
Ethanol	ug/m3	ND	08/09/05	TPH	1.8			

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8/17/2005
Page 17 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: EFF

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID : 05B32155

Sampled : 8/3/2005
CT1154

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	08/09/05	TPH	3.6		
Ethylbenzene	ug/m3	ND	08/09/05	TPH	4.4		
4-Ethyl Toluene	ug/m3	ND	08/09/05	TPH	5.0		
n-Heptane	ug/m3	ND	08/09/05	TPH	4.0		
Hexachlorobutadiene	ug/m3	ND	08/09/05	TPH	10.7		
Hexane	ug/m3	ND	08/09/05	TPH	3.6		
2-Hexanone	ug/m3	ND	08/09/05	TPH	4.0		
Isopropanol	ug/m3	ND	08/09/05	TPH	2.4		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	08/09/05	TPH	3.6		
Methylene Chloride	ug/m3	58.5	08/09/05	TPH	3.5		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	08/09/05	TPH	4.0		
Propene	ug/m3	ND	08/09/05	TPH	1.8		
Styrene	ug/m3	ND	08/09/05	TPH	4.3		
1,1,2,2-Tetrachloroethane	ug/m3	ND	08/09/05	TPH	6.9		
Tetrachloroethylene	ug/m3	ND	08/09/05	TPH	6.8		
Tetrahydrofuran	ug/m3	ND	08/09/05	TPH	3.0		
Toluene	ug/m3	ND	08/09/05	TPH	3.8		
1,2,4-Trichlorobenzene	ug/m3	ND	08/09/05	TPH	7.5		
1,1,1-Trichloroethane	ug/m3	ND	08/09/05	TPH	5.5		
1,1,2-Trichloroethane	ug/m3	ND	08/09/05	TPH	5.5		
Trichloroethylene	ug/m3	ND	08/09/05	TPH	5.4		
Trichlorofluoromethane	ug/m3	14.3	08/09/05	TPH	5.6		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	08/09/05	TPH	7.7		
1,2,4-Trimethylbenzene	ug/m3	ND	08/09/05	TPH	5.0		
1,3,5-Trimethylbenzene	ug/m3	ND	08/09/05	TPH	5.0		
Vinyl Acetate	ug/m3	ND	08/09/05	TPH	3.6		
Vinyl Chloride	ug/m3	ND	08/09/05	TPH	2.6		
m/p-Xylene	ug/m3	ND	08/09/05	TPH	4.4		
o-Xylene	ug/m3	ND	08/09/05	TPH	4.4		

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MACTEC ENGINEERING & CONSULTING - AZ
3630 EAST WIER AVENUE
PHOENIX, AZ 85040

8/17/2005
Page 18 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: EFF

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Analytical Method:
EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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PHOENIX, AZ 85040

8/17/2005
Page 19 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: INF

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID : 05B32153

Sampled : 8/3/2005
CT1080

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	33.8	08/09/05	TPH	4.8		
Benzene	ug/m3	ND	08/09/05	TPH	6.4		
Benzyl Chloride	ug/m3	ND	08/09/05	TPH	10.4		
Bromodichloromethane	ug/m3	ND	08/09/05	TPH	13.6		
Bromomethane	ug/m3	ND	08/09/05	TPH	7.8		
1,3-Butadiene	ug/m3	ND	08/09/05	TPH	4.4		
2-Butanone (MEK)	ug/m3	7.8	08/09/05	TPH	6.0		
Carbon Disulfide	ug/m3	ND	08/09/05	TPH	6.4		
Carbon Tetrachloride	ug/m3	ND	08/09/05	TPH	12.4		
Chlorobenzene	ug/m3	ND	08/09/05	TPH	9.2		
Chlorodibromomethane	ug/m3	ND	08/09/05	TPH	17.2		
Chloroethane	ug/m3	ND	08/09/05	TPH	5.3		
Chloroform	ug/m3	ND	08/09/05	TPH	9.8		
Chloromethane	ug/m3	ND	08/09/05	TPH	4.2		
Cyclohexane	ug/m3	ND	08/09/05	TPH	6.8		
1,2-Dibromoethane	ug/m3	ND	08/09/05	TPH	15.4		
1,2-Dichlorobenzene	ug/m3	ND	08/09/05	TPH	12.1		
1,3-Dichlorobenzene	ug/m3	ND	08/09/05	TPH	12.1		
1,4-Dichlorobenzene	ug/m3	ND	08/09/05	TPH	12.1		
Dichlorodifluoromethane	ug/m3	ND	08/09/05	TPH	9.9		
1,1-Dichloroethane	ug/m3	ND	08/09/05	TPH	8.1		
1,2-Dichloroethane	ug/m3	ND	08/09/05	TPH	8.1		
1,1-Dichloroethylene	ug/m3	ND	08/09/05	TPH	8.0		
cis-1,2-Dichloroethylene	ug/m3	ND	08/09/05	TPH	8.0		
t-1,2-Dichloroethylene	ug/m3	ND	08/09/05	TPH	8.0		
1,2-Dichloropropane	ug/m3	ND	08/09/05	TPH	9.3		
cis-1,3-Dichloropropene	ug/m3	ND	08/09/05	TPH	9.1		
trans-1,3-Dichloropropene	ug/m3	ND	08/09/05	TPH	9.1		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	08/09/05	TPH	14.0		
Ethanol	ug/m3	18.6	08/09/05	TPH	3.6		

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8/17/2005
Page 20 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: INF

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID : 05B32153

Sampled : 8/3/2005
CT1080

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	08/09/05	TPH	7.2		
Ethylbenzene	ug/m3	ND	08/09/05	TPH	8.7		
4-Ethyl Toluene	ug/m3	ND	08/09/05	TPH	10.0		
n-Heptane	ug/m3	ND	08/09/05	TPH	8.0		
Hexachlorobutadiene	ug/m3	ND	08/09/05	TPH	21.4		
Hexane	ug/m3	ND	08/09/05	TPH	7.2		
2-Hexanone	ug/m3	ND	08/09/05	TPH	8.0		
Isopropanol	ug/m3	ND	08/09/05	TPH	4.8		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	08/09/05	TPH	7.2		
Methylene Chloride	ug/m3	ND	08/09/05	TPH	7.0		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	08/09/05	TPH	8.0		
Propene	ug/m3	ND	08/09/05	TPH	3.6		
Styrene	ug/m3	ND	08/09/05	TPH	8.6		
1,1,2,2-Tetrachloroethane	ug/m3	ND	08/09/05	TPH	13.8		
Tetrachloroethylene	ug/m3	2510	08/09/05	TPH	13.6		
Tetrahydrofuran	ug/m3	ND	08/09/05	TPH	6.0		
Toluene	ug/m3	ND	08/09/05	TPH	7.6		
1,2,4-Trichlorobenzene	ug/m3	ND	08/09/05	TPH	14.9		
1,1,1-Trichloroethane	ug/m3	ND	08/09/05	TPH	11.0		
1,1,2-Trichloroethane	ug/m3	ND	08/09/05	TPH	11.0		
Trichloroethylene	ug/m3	ND	08/09/05	TPH	10.8		
Trichlorofluoromethane	ug/m3	ND	08/09/05	TPH	11.3		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	08/09/05	TPH	15.4		
1,2,4-Trimethylbenzene	ug/m3	ND	08/09/05	TPH	9.9		
1,3,5-Trimethylbenzene	ug/m3	ND	08/09/05	TPH	9.9		
Vinyl Acetate	ug/m3	ND	08/09/05	TPH	7.2		
Vinyl Chloride	ug/m3	ND	08/09/05	TPH	5.2		
m/p-Xylene	ug/m3	ND	08/09/05	TPH	8.7		
o-Xylene	ug/m3	ND	08/09/05	TPH	8.7		

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Purchase Order No.:

8/17/2005

Page 21 of 31

Project Location: SOUTH MESA

Date Received: 8/5/2005

Field Sample #: INF

LIMS-BAT #: LIMS-90833

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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8/17/2005
Page 22 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: INT

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID : 05B32154

Sampled : 8/3/2005
CT1125

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	ug/m3	35.0	08/09/05	TPH	2.4			
Benzene	ug/m3	ND	08/09/05	TPH	3.2			
Benzyl Chloride	ug/m3	ND	08/09/05	TPH	5.2			
Bromodichloromethane	ug/m3	ND	08/09/05	TPH	6.8			
Bromomethane	ug/m3	ND	08/09/05	TPH	3.9			
1,3-Butadiene	ug/m3	ND	08/09/05	TPH	2.2			
2-Butanone (MEK)	ug/m3	ND	08/09/05	TPH	3.0			
Carbon Disulfide	ug/m3	ND	08/09/05	TPH	3.2			
Carbon Tetrachloride	ug/m3	ND	08/09/05	TPH	6.2			
Chlorobenzene	ug/m3	ND	08/09/05	TPH	4.6			
Chlorodibromomethane	ug/m3	ND	08/09/05	TPH	8.6			
Chloroethane	ug/m3	ND	08/09/05	TPH	2.7			
Chloroform	ug/m3	14.2	08/09/05	TPH	4.9			
Chloromethane	ug/m3	ND	08/09/05	TPH	2.1			
Cyclohexane	ug/m3	ND	08/09/05	TPH	3.4			
1,2-Dibromoethane	ug/m3	ND	08/09/05	TPH	7.7			
1,2-Dichlorobenzene	ug/m3	ND	08/09/05	TPH	6.1			
1,3-Dichlorobenzene	ug/m3	ND	08/09/05	TPH	6.1			
1,4-Dichlorobenzene	ug/m3	ND	08/09/05	TPH	6.1			
Dichlorodifluoromethane	ug/m3	ND	08/09/05	TPH	5.0			
1,1-Dichloroethane	ug/m3	35.2	08/09/05	TPH	4.0			
1,2-Dichloroethane	ug/m3	ND	08/09/05	TPH	4.1			
1,1-Dichloroethylene	ug/m3	14.1	08/09/05	TPH	4.0			
cis-1,2-Dichloroethylene	ug/m3	15.1	08/09/05	TPH	4.0			
t-1,2-Dichloroethylene	ug/m3	ND	08/09/05	TPH	4.0			
1,2-Dichloropropane	ug/m3	ND	08/09/05	TPH	4.7			
cis-1,3-Dichloropropene	ug/m3	ND	08/09/05	TPH	4.6			
trans-1,3-Dichloropropene	ug/m3	ND	08/09/05	TPH	4.6			
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	08/09/05	TPH	7.0			
Ethanol	ug/m3	ND	08/09/05	TPH	1.8			

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Purchase Order No.:

8/17/2005
Page 23 of 31

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: INT

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID : 05B32154

Sampled : 8/3/2005
CT1125

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	08/09/05	TPH	3.6		
Ethylbenzene	ug/m3	ND	08/09/05	TPH	4.4		
4-Ethyl Toluene	ug/m3	ND	08/09/05	TPH	5.0		
n-Heptane	ug/m3	ND	08/09/05	TPH	4.0		
Hexachlorobutadiene	ug/m3	ND	08/09/05	TPH	10.7		
Hexane	ug/m3	ND	08/09/05	TPH	3.6		
2-Hexanone	ug/m3	ND	08/09/05	TPH	4.0		
Isopropanol	ug/m3	ND	08/09/05	TPH	2.4		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	08/09/05	TPH	3.6		
Methylene Chloride	ug/m3	63.2	08/09/05	TPH	3.5		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	08/09/05	TPH	4.0		
Propene	ug/m3	ND	08/09/05	TPH	1.8		
Styrene	ug/m3	ND	08/09/05	TPH	4.3		
1,1,2,2-Tetrachloroethane	ug/m3	ND	08/09/05	TPH	6.9		
Tetrachloroethylene	ug/m3	519.	08/09/05	TPH	6.8		
Tetrahydrofuran	ug/m3	ND	08/09/05	TPH	3.0		
Toluene	ug/m3	9.2	08/09/05	TPH	3.8		
1,2,4-Trichlorobenzene	ug/m3	ND	08/09/05	TPH	7.5		
1,1,1-Trichloroethane	ug/m3	ND	08/09/05	TPH	5.5		
1,1,2-Trichloroethane	ug/m3	ND	08/09/05	TPH	5.5		
Trichloroethylene	ug/m3	8.8	08/09/05	TPH	5.4		
Trichlorofluoromethane	ug/m3	6.9	08/09/05	TPH	5.6		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	08/09/05	TPH	7.7		
1,2,4-Trimethylbenzene	ug/m3	ND	08/09/05	TPH	5.0		
1,3,5-Trimethylbenzene	ug/m3	ND	08/09/05	TPH	5.0		
Vinyl Acetate	ug/m3	ND	08/09/05	TPH	3.6		
Vinyl Chloride	ug/m3	ND	08/09/05	TPH	2.6		
m/p-Xylene	ug/m3	6.3	08/09/05	TPH	4.3		
o-Xylene	ug/m3	ND	08/09/05	TPH	4.4		

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8/17/2005
Page 24 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: INT

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Analytical Method:
EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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8/17/2005

Page 25 of 31

Purchase Order No.:

Project Location: SOUTH MESA

Date Received: 8/5/2005

Field Sample #: VW5-AB

LIMS-BAT #: LIMS-90833

Job Number: 4972-04-2034

Sample ID : 05B32156

Sampled : 8/3/2005

CT1091

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	ND	08/09/05	TPH	4.8		
Benzene	ug/m3	ND	08/09/05	TPH	6.4		
Benzyl Chloride	ug/m3	ND	08/09/05	TPH	10.4		
Bromodichloromethane	ug/m3	ND	08/09/05	TPH	13.6		
Bromomethane	ug/m3	ND	08/09/05	TPH	7.8		
1,3-Butadiene	ug/m3	ND	08/09/05	TPH	4.4		
2-Butanone (MEK)	ug/m3	ND	08/09/05	TPH	6.0		
Carbon Disulfide	ug/m3	ND	08/09/05	TPH	6.4		
Carbon Tetrachloride	ug/m3	ND	08/09/05	TPH	12.4		
Chlorobenzene	ug/m3	ND	08/09/05	TPH	9.2		
Chlorodibromomethane	ug/m3	ND	08/09/05	TPH	17.2		
Chloroethane	ug/m3	ND	08/09/05	TPH	5.3		
Chloroform	ug/m3	27.3	08/09/05	TPH	9.7		
Chloromethane	ug/m3	ND	08/09/05	TPH	4.2		
Cyclohexane	ug/m3	ND	08/09/05	TPH	6.8		
1,2-Dibromoethane	ug/m3	ND	08/09/05	TPH	15.4		
1,2-Dichlorobenzene	ug/m3	ND	08/09/05	TPH	12.1		
1,3-Dichlorobenzene	ug/m3	ND	08/09/05	TPH	12.1		
1,4-Dichlorobenzene	ug/m3	ND	08/09/05	TPH	12.1		
Dichlorodifluoromethane	ug/m3	ND	08/09/05	TPH	9.9		
1,1-Dichloroethane	ug/m3	ND	08/09/05	TPH	8.1		
1,2-Dichloroethane	ug/m3	ND	08/09/05	TPH	8.1		
1,1-Dichloroethylene	ug/m3	ND	08/09/05	TPH	8.0		
cis-1,2-Dichloroethylene	ug/m3	141.	08/09/05	TPH	7.9		
t-1,2-Dichloroethylene	ug/m3	ND	08/09/05	TPH	8.0		
1,2-Dichloropropane	ug/m3	ND	08/09/05	TPH	9.3		
cis-1,3-Dichloropropene	ug/m3	ND	08/09/05	TPH	9.1		
trans-1,3-Dichloropropene	ug/m3	ND	08/09/05	TPH	9.1		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	08/09/05	TPH	14.0		
Ethanol	ug/m3	ND	08/09/05	TPH	3.6		

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Purchase Order No.:

8/17/2005
Page 26 of 31

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: VW5-AB

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID : 05B32156

Sampled : 8/3/2005
CT1091

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	08/09/05	TPH	7.2		
Ethylbenzene	ug/m3	ND	08/09/05	TPH	8.7		
4-Ethyl Toluene	ug/m3	ND	08/09/05	TPH	10.0		
n-Heptane	ug/m3	ND	08/09/05	TPH	8.0		
Hexachlorobutadiene	ug/m3	ND	08/09/05	TPH	21.4		
Hexane	ug/m3	ND	08/09/05	TPH	7.2		
2-Hexanone	ug/m3	ND	08/09/05	TPH	8.0		
Isopropanol	ug/m3	ND	08/09/05	TPH	4.8		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	08/09/05	TPH	7.2		
Methylene Chloride	ug/m3	1840	08/09/05	TPH	7.0		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	08/09/05	TPH	8.0		
Propene	ug/m3	ND	08/09/05	TPH	3.6		
Styrene	ug/m3	ND	08/09/05	TPH	8.6		
1,1,2,2-Tetrachloroethane	ug/m3	ND	08/09/05	TPH	13.8		
Tetrachloroethylene	ug/m3	921.	08/09/05	TPH	13.6		
Tetrahydrofuran	ug/m3	ND	08/09/05	TPH	6.0		
Toluene	ug/m3	ND	08/09/05	TPH	7.6		
1,2,4-Trichlorobenzene	ug/m3	ND	08/09/05	TPH	14.9		
1,1,1-Trichloroethane	ug/m3	ND	08/09/05	TPH	11.0		
1,1,2-Trichloroethane	ug/m3	ND	08/09/05	TPH	11.0		
Trichloroethylene	ug/m3	21.3	08/09/05	TPH	10.8		
Trichlorofluoromethane	ug/m3	26.3	08/09/05	TPH	11.2		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	08/09/05	TPH	15.4		
1,2,4-Trimethylbenzene	ug/m3	33.6	08/09/05	TPH	9.8		
1,3,5-Trimethylbenzene	ug/m3	10.0	08/09/05	TPH	9.8		
Vinyl Acetate	ug/m3	ND	08/09/05	TPH	7.2		
Vinyl Chloride	ug/m3	ND	08/09/05	TPH	5.2		
m/p-Xylene	ug/m3	49.7	08/09/05	TPH	8.7		
o-Xylene	ug/m3	ND	08/09/05	TPH	8.7		

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Purchase Order No.:

8/17/2005

Page 27 of 31

Project Location: SOUTH MESA

Date Received: 8/5/2005

Field Sample #: VW5-AB

LIMS-BAT #: LIMS-90833

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

JIM CLARKE
MACTEC ENGINEERING & CONSULTING - AZ
3630 EAST WIER AVENUE
PHOENIX, AZ 85040

8/17/2005
Page 28 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: VW7-B

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID : 05B32157

Sampled : 8/3/2005
CT1141

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	ND	08/09/05	TPH	4.8		
Benzene	ug/m3	ND	08/09/05	TPH	6.4		
Benzyl Chloride	ug/m3	ND	08/09/05	TPH	10.4		
Bromodichloromethane	ug/m3	ND	08/09/05	TPH	13.6		
Bromomethane	ug/m3	ND	08/09/05	TPH	7.8		
1,3-Butadiene	ug/m3	ND	08/09/05	TPH	4.4		
2-Butanone (MEK)	ug/m3	ND	08/09/05	TPH	6.0		
Carbon Disulfide	ug/m3	ND	08/09/05	TPH	6.4		
Carbon Tetrachloride	ug/m3	ND	08/09/05	TPH	12.4		
Chlorobenzene	ug/m3	ND	08/09/05	TPH	9.2		
Chlorodibromomethane	ug/m3	ND	08/09/05	TPH	17.2		
Chloroethane	ug/m3	ND	08/09/05	TPH	5.3		
Chloroform	ug/m3	37.4	08/09/05	TPH	9.7		
Chloromethane	ug/m3	ND	08/09/05	TPH	4.2		
Cyclohexane	ug/m3	ND	08/09/05	TPH	6.8		
1,2-Dibromoethane	ug/m3	ND	08/09/05	TPH	15.4		
1,2-Dichlorobenzene	ug/m3	ND	08/09/05	TPH	12.1		
1,3-Dichlorobenzene	ug/m3	ND	08/09/05	TPH	12.1		
1,4-Dichlorobenzene	ug/m3	ND	08/09/05	TPH	12.1		
Dichlorodifluoromethane	ug/m3	ND	08/09/05	TPH	9.9		
1,1-Dichloroethane	ug/m3	144.	08/09/05	TPH	8.1		
1,2-Dichloroethane	ug/m3	ND	08/09/05	TPH	8.1		
1,1-Dichloroethylene	ug/m3	115.	08/09/05	TPH	7.9		
cis-1,2-Dichloroethylene	ug/m3	25.2	08/09/05	TPH	7.9		
t-1,2-Dichloroethylene	ug/m3	ND	08/09/05	TPH	8.0		
1,2-Dichloropropane	ug/m3	71.9	08/09/05	TPH	9.2		
cis-1,3-Dichloropropene	ug/m3	ND	08/09/05	TPH	9.1		
trans-1,3-Dichloropropene	ug/m3	ND	08/09/05	TPH	9.1		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	08/09/05	TPH	14.0		
Ethanol	ug/m3	ND	08/09/05	TPH	3.6		

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Page 29 of 31

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Ethyl Acetate	ug/m3	ND	08/09/05	TPH	7.2		
Ethylbenzene	ug/m3	ND	08/09/05	TPH	8.7		
4-Ethyl Toluene	ug/m3	ND	08/09/05	TPH	10.0		
n-Heptane	ug/m3	ND	08/09/05	TPH	8.0		
Hexachlorobutadiene	ug/m3	ND	08/09/05	TPH	21.4		
Hexane	ug/m3	ND	08/09/05	TPH	7.2		
2-Hexanone	ug/m3	ND	08/09/05	TPH	8.0		
Isopropanol	ug/m3	ND	08/09/05	TPH	4.8		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	08/09/05	TPH	7.2		
Methylene Chloride	ug/m3	ND	08/09/05	TPH	7.0		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	08/09/05	TPH	8.0		
Propene	ug/m3	ND	08/09/05	TPH	3.6		
Styrene	ug/m3	ND	08/09/05	TPH	8.6		
1,1,2,2-Tetrachloroethane	ug/m3	ND	08/09/05	TPH	13.8		
Tetrachloroethylene	ug/m3	6440	08/09/05	TPH	13.6		
Tetrahydrofuran	ug/m3	ND	08/09/05	TPH	6.0		
Toluene	ug/m3	ND	08/09/05	TPH	7.6		
1,2,4-Trichlorobenzene	ug/m3	ND	08/09/05	TPH	14.9		
1,1,1-Trichloroethane	ug/m3	ND	08/09/05	TPH	11.0		
1,1,2-Trichloroethane	ug/m3	ND	08/09/05	TPH	11.0		
Trichloroethylene	ug/m3	18.5	08/09/05	TPH	10.8		
Trichlorofluoromethane	ug/m3	30.8	08/09/05	TPH	11.2		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	08/09/05	TPH	15.4		
1,2,4-Trimethylbenzene	ug/m3	ND	08/09/05	TPH	9.9		
1,3,5-Trimethylbenzene	ug/m3	ND	08/09/05	TPH	9.9		
Vinyl Acetate	ug/m3	ND	08/09/05	TPH	7.2		
Vinyl Chloride	ug/m3	ND	08/09/05	TPH	5.2		
m/p-Xylene	ug/m3	ND	08/09/05	TPH	8.7		
o-Xylene	ug/m3	ND	08/09/05	TPH	8.7		

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Page 30 of 31

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Page 31 of 31

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 8/17/2005

Lims Bat #: lims-90833

Page 1 of 9

QC Batch Number: BATCH-9552

Sample Id	Analysis	QC Analysis	Values	Units	Limits
05B32153	4-Bromofluorobenzene	Surrogate Recovery	93.9	%	70-130
05B32154	4-Bromofluorobenzene	Surrogate Recovery	93.4	%	70-130
05B32155	4-Bromofluorobenzene	Surrogate Recovery	95.0	%	70-130
05B32156	Chloroform	Sample Amount	27.3	ug/m3	
		Duplicate Value	25.3	ug/m3	
		Duplicate RPD	7.4	%	
	Tetrachloroethylene	Sample Amount	921.2	ug/m3	
		Duplicate Value	889.4	ug/m3	
		Duplicate RPD	3.5	%	
	Trichloroethylene	Sample Amount	21.3	ug/m3	
		Duplicate Value	20.6	ug/m3	
		Duplicate RPD	3.1	%	
	Trichlorofluoromethane	Sample Amount	26.3	ug/m3	
		Duplicate Value	20.9	ug/m3	
		Duplicate RPD	22.9	%	
	m/p-Xylene	Sample Amount	49.7	ug/m3	
		Duplicate Value	48.1	ug/m3	
		Duplicate RPD	3.2	%	
	Methylene Chloride	Sample Amount	1839.0	ug/m3	
		Duplicate Value	1601.5	ug/m3	
		Duplicate RPD	13.8	%	
	1,2,4-Trimethylbenzene	Sample Amount	33.6	ug/m3	
		Duplicate Value	33.4	ug/m3	
		Duplicate RPD	0.6	%	
	1,3,5-Trimethylbenzene	Sample Amount	10.0	ug/m3	
		Duplicate Value	<9.9	ug/m3	
		Duplicate RPD	>1.9	%	
	cis-1,2-Dichloroethylene	Sample Amount	140.8	ug/m3	
		Duplicate Value	48.7	ug/m3	
		Duplicate RPD	97.2	%	
05B32157	4-Bromofluorobenzene	Surrogate Recovery	94.8	%	70-130
05B32157	4-Bromofluorobenzene	Surrogate Recovery	89.4	%	70-130
BLANK-77310	Acetone	Blank	<1.2	ug/m3	
	Benzene	Blank	<1.6	ug/m3	
	Carbon Tetrachloride	Blank	<3.1	ug/m3	
	Chloroform	Blank	<2.5	ug/m3	
	1,2-Dichloroethane	Blank	<2.1	ug/m3	
	1,4-Dichlorobenzene	Blank	<3.1	ug/m3	



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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 8/17/2005

Lims Bat #: lims-90833

Page 2 of 9

QC Batch Number: BATCH-9552

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-77310					
	Ethyl Acetate	Blank	<1.8	ug/m3	
	Ethylbenzene	Blank	<2.2	ug/m3	
	Hexane	Blank	<1.8	ug/m3	
	Isopropanol	Blank	<1.2	ug/m3	
	2-Butanone (MEK)	Blank	<1.5	ug/m3	
	4-Methyl-2-Pentanone (MIBK)	Blank	<2.0	ug/m3	
	Styrene	Blank	<2.2	ug/m3	
	Tetrachloroethylene	Blank	<3.4	ug/m3	
	Toluene	Blank	<1.9	ug/m3	
	1,1,1-Trichloroethane	Blank	<2.8	ug/m3	
	Trichloroethylene	Blank	<2.7	ug/m3	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<3.9	ug/m3	
	Trichlorofluoromethane	Blank	<2.9	ug/m3	
	o-Xylene	Blank	<2.2	ug/m3	
	m/p-Xylene	Blank	<2.2	ug/m3	
	1,2-Dichlorobenzene	Blank	<3.1	ug/m3	
	1,3-Dichlorobenzene	Blank	<3.1	ug/m3	
	1,1-Dichloroethane	Blank	<2.1	ug/m3	
	1,1-Dichloroethylene	Blank	<2.0	ug/m3	
	Ethanol	Blank	<0.9	ug/m3	
	4-Ethyl Toluene	Blank	<2.5	ug/m3	
	Methyl tert-Butyl Ether (MTBE)	Blank	<1.8	ug/m3	
	t-1,2-Dichloroethylene	Blank	<2.0	ug/m3	
	Vinyl Chloride	Blank	<1.3	ug/m3	
	Methylene Chloride	Blank	<1.8	ug/m3	
	Chlorobenzene	Blank	<2.3	ug/m3	
	Chloromethane	Blank	<1.1	ug/m3	
	Bromomethane	Blank	<2.0	ug/m3	
	Chloroethane	Blank	<1.4	ug/m3	
	cis-1,3-Dichloropropene	Blank	<2.3	ug/m3	
	trans-1,3-Dichloropropene	Blank	<2.3	ug/m3	
	Chlorodibromomethane	Blank	<4.3	ug/m3	
	1,1,2-Trichloroethane	Blank	<2.8	ug/m3	
	1,1,2,2-Tetrachloroethane	Blank	<3.5	ug/m3	
	Hexachlorobutadiene	Blank	<5.4	ug/m3	
	1,2,4-Trichlorobenzene	Blank	<3.8	ug/m3	
	1,2,4-Trimethylbenzene	Blank	<2.5	ug/m3	
	1,3,5-Trimethylbenzene	Blank	<2.5	ug/m3	
	Cyclohexane	Blank	<1.7	ug/m3	
	cis-1,2-Dichloroethylene	Blank	<2.0	ug/m3	
	1,2-Dichloropropane	Blank	<2.4	ug/m3	
	Dichlorodifluoromethane	Blank	<2.5	ug/m3	
	Benzyl Chloride	Blank	<2.6	ug/m3	



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Page 3 of 9

QC Batch Number: BATCH-9552

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-77310					
	Carbon Disulfide	Blank	<1.6	ug/m3	
	Vinyl Acetate	Blank	<1.8	ug/m3	
	2-Hexanone	Blank	<2.0	ug/m3	
	Bromodichloromethane	Blank	<3.4	ug/m3	
	1,2-Dibromoethane	Blank	<3.9	ug/m3	
	n-Heptane	Blank	<2.0	ug/m3	
	1,2-Dichlorotetrafluoroethane (114)	Blank	<3.5	ug/m3	
	Tetrahydrofuran	Blank	<1.5	ug/m3	
	Propene	Blank	<0.9	ug/m3	
	1,3-Butadiene	Blank	<1.1	ug/m3	
LFBLANK-43914					
	Acetone	Lab Fort Blank Amt.	23.8	ug/m3	
		Lab Fort Blk. Found	23.2	ug/m3	
		Lab Fort Blk. % Rec.	97.8	%	50-150
	Benzene	Lab Fort Blank Amt.	31.9	ug/m3	
		Lab Fort Blk. Found	30.0	ug/m3	
		Lab Fort Blk. % Rec.	93.9	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	62.9	ug/m3	
		Lab Fort Blk. Found	58.5	ug/m3	
		Lab Fort Blk. % Rec.	93.0	%	70-130
	Chloroform	Lab Fort Blank Amt.	48.7	ug/m3	
		Lab Fort Blk. Found	44.7	ug/m3	
		Lab Fort Blk. % Rec.	91.9	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	40.5	ug/m3	
		Lab Fort Blk. Found	37.9	ug/m3	
		Lab Fort Blk. % Rec.	93.7	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	60.1	ug/m3	
		Lab Fort Blk. Found	60.7	ug/m3	
		Lab Fort Blk. % Rec.	101.0	%	70-130
	Ethyl Acetate	Lab Fort Blank Amt.	36.0	ug/m3	
		Lab Fort Blk. Found	35.6	ug/m3	
		Lab Fort Blk. % Rec.	98.8	%	50-150
	Ethylbenzene	Lab Fort Blank Amt.	43.4	ug/m3	
		Lab Fort Blk. Found	44.7	ug/m3	
		Lab Fort Blk. % Rec.	103.0	%	70-130
	Hexane	Lab Fort Blank Amt.	35.2	ug/m3	
		Lab Fort Blk. Found	33.4	ug/m3	
		Lab Fort Blk. % Rec.	94.7	%	70-130
	Isopropanol	Lab Fort Blank Amt.	24.6	ug/m3	
		Lab Fort Blk. Found	25.8	ug/m3	
		Lab Fort Blk. % Rec.	105.1	%	50-150
	2-Butanone (MEK)	Lab Fort Blank Amt.	29.5	ug/m3	
		Lab Fort Blk. Found	28.3	ug/m3	



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QC SUMMARY REPORT

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Method Blanks

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Lims Bat #: lims-90833

Page 4 of 9

QC Batch Number: BATCH-9552

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-43914	2-Butanone (MEK)	Lab Fort Blk. % Rec.	96.1	%	70-130
	4-Methyl-2-Pentanone (MIBK)	Lab Fort Blank Amt.	41.0	ug/m3	
		Lab Fort Blk. Found	38.3	ug/m3	
		Lab Fort Blk. % Rec.	93.6	%	70-130
	Styrene	Lab Fort Blank Amt.	42.5	ug/m3	
		Lab Fort Blk. Found	42.5	ug/m3	
		Lab Fort Blk. % Rec.	99.8	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	67.8	ug/m3	
		Lab Fort Blk. Found	65.8	ug/m3	
		Lab Fort Blk. % Rec.	97.0	%	70-130
	Toluene	Lab Fort Blank Amt.	37.6	ug/m3	
		Lab Fort Blk. Found	36.6	ug/m3	
		Lab Fort Blk. % Rec.	97.3	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	54.6	ug/m3	
		Lab Fort Blk. Found	50.4	ug/m3	
		Lab Fort Blk. % Rec.	92.4	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	53.7	ug/m3	
		Lab Fort Blk. Found	51.4	ug/m3	
		Lab Fort Blk. % Rec.	95.7	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	76.6	ug/m3	
		Lab Fort Blk. Found	69.3	ug/m3	
		Lab Fort Blk. % Rec.	90.4	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	56.2	ug/m3	
		Lab Fort Blk. Found	50.9	ug/m3	
		Lab Fort Blk. % Rec.	90.5	%	70-130
	o-Xylene	Lab Fort Blank Amt.	43.4	ug/m3	
		Lab Fort Blk. Found	45.4	ug/m3	
		Lab Fort Blk. % Rec.	104.5	%	70-130
	m/p-Xylene	Lab Fort Blank Amt.	86.9	ug/m3	
		Lab Fort Blk. Found	89.9	ug/m3	
		Lab Fort Blk. % Rec.	103.4	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	60.1	ug/m3	
		Lab Fort Blk. Found	72.7	ug/m3	
		Lab Fort Blk. % Rec.	120.9	%	70-130
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	60.1	ug/m3	
		Lab Fort Blk. Found	63.1	ug/m3	
		Lab Fort Blk. % Rec.	105.0	%	70-130
	1,1-Dichloroethane	Lab Fort Blank Amt.	40.5	ug/m3	
		Lab Fort Blk. Found	38.1	ug/m3	
		Lab Fort Blk. % Rec.	94.2	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	39.7	ug/m3	
		Lab Fort Blk. Found	36.2	ug/m3	
		Lab Fort Blk. % Rec.	91.2	%	70-130



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Standard Reference Materials and Duplicates

Method Blanks

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Lims Bat #: lims-90833

Page 5 of 9

QC Batch Number: BATCH-9552

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-43914	Ethanol	Lab Fort Blank Amt.	18.8	ug/m3	
		Lab Fort Blk. Found	16.4	ug/m3	
		Lab Fort Blk. % Rec.	87.2	%	50-150
	4-Ethyl Toluene	Lab Fort Blank Amt.	49.2	ug/m3	
		Lab Fort Blk. Found	53.4	ug/m3	
		Lab Fort Blk. % Rec.	108.7	%	50-150
	Methyl tert-Butyl Ether (MTBE)	Lab Fort Blank Amt.	36.1	ug/m3	
		Lab Fort Blk. Found	34.9	ug/m3	
		Lab Fort Blk. % Rec.	96.9	%	70-130
	t-1,2-Dichloroethylene	Lab Fort Blank Amt.	39.6	ug/m3	
		Lab Fort Blk. Found	37.4	ug/m3	
		Lab Fort Blk. % Rec.	94.4	%	70-130
	Vinyl Chloride	Lab Fort Blank Amt.	25.6	ug/m3	
		Lab Fort Blk. Found	26.1	ug/m3	
		Lab Fort Blk. % Rec.	102.0	%	70-130
	Methylene Chloride	Lab Fort Blank Amt.	34.7	ug/m3	
		Lab Fort Blk. Found	32.0	ug/m3	
		Lab Fort Blk. % Rec.	92.1	%	70-130
	Chlorobenzene	Lab Fort Blank Amt.	46.1	ug/m3	
		Lab Fort Blk. Found	45.1	ug/m3	
		Lab Fort Blk. % Rec.	97.9	%	70-130
	Chloromethane	Lab Fort Blank Amt.	20.7	ug/m3	
		Lab Fort Blk. Found	21.3	ug/m3	
		Lab Fort Blk. % Rec.	103.0	%	70-130
	Bromomethane	Lab Fort Blank Amt.	38.8	ug/m3	
		Lab Fort Blk. Found	38.4	ug/m3	
		Lab Fort Blk. % Rec.	99.0	%	70-130
	Chloroethane	Lab Fort Blank Amt.	26.4	ug/m3	
		Lab Fort Blk. Found	26.5	ug/m3	
		Lab Fort Blk. % Rec.	100.6	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	45.4	ug/m3	
		Lab Fort Blk. Found	43.2	ug/m3	
		Lab Fort Blk. % Rec.	95.2	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	45.4	ug/m3	
		Lab Fort Blk. Found	44.4	ug/m3	
		Lab Fort Blk. % Rec.	97.9	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	85.2	ug/m3	
		Lab Fort Blk. Found	84.3	ug/m3	
		Lab Fort Blk. % Rec.	98.9	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	54.6	ug/m3	
		Lab Fort Blk. Found	51.1	ug/m3	
		Lab Fort Blk. % Rec.	93.6	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	68.7	ug/m3	

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 8/17/2005

Lims Bat #: lims-90833

Page 6 of 9

QC Batch Number: BATCH-9552

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-43914	1,1,2,2-Tetrachloroethane	Lab Fort Blk. Found	72.9	ug/m3	
		Lab Fort Blk. % Rec.	106.1	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	106.7	ug/m3	
		Lab Fort Blk. Found	214.3	ug/m3	
		Lab Fort Blk. % Rec.	200.9	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	74.2	ug/m3	
		Lab Fort Blk. Found	118.4	ug/m3	
		Lab Fort Blk. % Rec.	159.5	%	70-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	49.2	ug/m3	
		Lab Fort Blk. Found	55.0	ug/m3	
		Lab Fort Blk. % Rec.	111.8	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	49.2	ug/m3	
		Lab Fort Blk. Found	53.4	ug/m3	
		Lab Fort Blk. % Rec.	108.7	%	70-130
	Cyclohexane	Lab Fort Blank Amt.	34.4	ug/m3	
		Lab Fort Blk. Found	32.6	ug/m3	
		Lab Fort Blk. % Rec.	94.7	%	50-150
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	39.7	ug/m3	
		Lab Fort Blk. Found	37.9	ug/m3	
		Lab Fort Blk. % Rec.	95.7	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	46.2	ug/m3	
		Lab Fort Blk. Found	44.2	ug/m3	
		Lab Fort Blk. % Rec.	95.7	%	70-130
	Dichlorodifluoromethane	Lab Fort Blank Amt.	49.5	ug/m3	
		Lab Fort Blk. Found	48.6	ug/m3	
		Lab Fort Blk. % Rec.	98.3	%	70-130
	Benzyl Chloride	Lab Fort Blank Amt.	51.8	ug/m3	
		Lab Fort Blk. Found	64.4	ug/m3	
		Lab Fort Blk. % Rec.	124.4	%	70-130
	Carbon Disulfide	Lab Fort Blank Amt.	31.1	ug/m3	
		Lab Fort Blk. Found	25.5	ug/m3	
		Lab Fort Blk. % Rec.	81.9	%	70-130
	Vinyl Acetate	Lab Fort Blank Amt.	35.2	ug/m3	
		Lab Fort Blk. Found	31.9	ug/m3	
		Lab Fort Blk. % Rec.	90.5	%	70-130
	2-Hexanone	Lab Fort Blank Amt.	41.0	ug/m3	
		Lab Fort Blk. Found	41.7	ug/m3	
		Lab Fort Blk. % Rec.	101.9	%	50-150
	Bromodichloromethane	Lab Fort Blank Amt.	67.0	ug/m3	
		Lab Fort Blk. Found	63.1	ug/m3	
		Lab Fort Blk. % Rec.	94.2	%	70-130
	1,2-Dibromoethane	Lab Fort Blank Amt.	76.9	ug/m3	
		Lab Fort Blk. Found	72.2	ug/m3	



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 8/17/2005

Lims Bat #: lims-90833

Page 7 of 9

QC Batch Number: BATCH-9552

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-43914	1,2-Dibromoethane n-Heptane	Lab Fort Blk. % Rec.	93.9	%	70-130
		Lab Fort Blank Amt.	41.0	ug/m3	
		Lab Fort Blk. Found	35.4	ug/m3	
	1,2-Dichlorotetrafluoroethane (114)	Lab Fort Blk. % Rec.	86.5	%	50-150
		Lab Fort Blank Amt.	69.9	ug/m3	
		Lab Fort Blk. Found	71.2	ug/m3	
	Tetrahydrofuran	Lab Fort Blk. % Rec.	101.9	%	70-130
		Lab Fort Blank Amt.	29.5	ug/m3	
		Lab Fort Blk. Found	30.6	ug/m3	
	Propene	Lab Fort Blk. % Rec.	103.8	%	50-150
		Lab Fort Blank Amt.	17.2	ug/m3	
		Lab Fort Blk. Found	17.9	ug/m3	
	1,3-Butadiene	Lab Fort Blk. % Rec.	104.2	%	50-150
		Lab Fort Blank Amt.	22.1	ug/m3	
		Lab Fort Blk. Found	22.1	ug/m3	
		Lab Fort Blk. % Rec.	100.0	%	70-130



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 8/17/2005

Lims Bat #: lims-90833

Page 8 of 9

NOTES:

QC Batch No. : BATCH-9552

Sample ID : LFBLANK-43914

Analysis : 1,2,4-Trichlorobenzene

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.

QC Batch No. : BATCH-9552

Sample ID : LFBLANK-43914

Analysis : Hexachlorobutadiene

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date:

8/17/2005

Lims Bat #: lims-90833

Page 9 of 9

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken through all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries



CON-test
ANALYTICAL LABORATORY

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www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Page 1 of 1

Company Name:

Address:

Attention:

Project Location:

Sampled By:

Proposal Provided? (For Billing purposes):

☐ yes

proposal date

State Form Required?

☐ yes ☐ no

MACTEC, LLC
3630 EMMER AVE
PHX, AZ 85040

Jim CLARKE

SOUTH MESA
MARK HAMMER

Telephone (602) 437-0250

Project # 4972-04-2034

Client PO #

DATA DELIVERY (check one):

☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT

Fax #

Email

Format ☒ EXCEL ☐ PDF ☐ GIS KEY

Date Sampled

Start Date/Time Stop Date/Time

Comp. Date

Grab

Matrix Code

TO 15

ANALYSIS REQUESTED

of containers
Preservation
Cont. Code

Cont. Code:

A=amber glass
G=glass
P=plastic
ST=sterile

V= vial

S=surround can

T=leather bag

O=Other

Comments:

Field ID	Sample Description	Lab #	Start Date/Time	Stop Date/Time	Comp. Date	Grab	Matrix Code	Analysis Requested	# of containers	Preservation	Cont. Code
2NF	CT1080		8/3/5	1020		X	A	X	05022153		
2NT	CT1125			1025					32154		
EFF	CT1154			1035					32155		
W3-4B	CT1091			1050					32156		
W3-4B	CT1141			1105					32157		
Relinquished by (signature):			Date/Time:								
Mark Hammer			8/5/5 1300								
Received by (signature):			Date/Time:								
Mark Hammer			8/3/5 1345								
Relinquished by (signature):			Date/Time:								
Mark Hammer			8/5/5 1517								
Received by (signature):			Date/Time:								
Mark Hammer			8/5/5 1517								

Con-Test Laboratory is the ONLY Independent Laboratory in all of New England with both prestigious ALHA and NELAP Accreditation.



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REPORT DATE 8/26/2005

MACTEC ENGINEERING & CONSULTING - AZ
3630 EAST WIER AVENUE
PHOENIX, AZ 85040
ATTN: JIM CLARKE

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-90833

JOB NUMBER: 4972-04-2034

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: SOUTH MESA

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST
EFF	05B32155	AIR	CT1154	to-15 ppbv
EFF	05B32155	AIR	CT1154	to-15 ug/m3
*INF	05B32153	AIR	CT1080	to-15 ppbv
*INF	05B32153	AIR	CT1080	to-15 ug/m3
INT	05B32154	AIR	CT1125	to-15 ppbv
INT	05B32154	AIR	CT1125	to-15 ug/m3
*VW5-AB	05B32156	AIR	CT1091	to-15 ppbv
*VW5-AB	05B32156	AIR	CT1091	to-15 ug/m3
*VW7-B	05B32157	AIR	CT1141	to-15 ppbv
*VW7-B	05B32157	AIR	CT1141	to-15 ug/m3

Comments :

LIMS BATCH NO. : LIMS-90833

REVISED REPORT

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations :

AIHA 100033	AIHA ELLAP (LEAD) 100033	
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	ARIZONA AZ0648
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	ARIZONA AZ0654 (AIR)

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Edward Denson 8/26/05

SIGNATURE

DATE

Tod Kopyscinski
Director of Operations

Sondra S. Kocot
Quality Control Coordinator

Edward Denson
Technical Director

* See end of data tabulation for notes and comments pertaining to this sample



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JIM CLARKE
MACTEC ENGINEERING & CONSULTING - AZ
3630 EAST WIER AVENUE
PHOENIX, AZ 85040

8/26/2005
Page 1 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: EFF

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID : 05B32155

Sampled : 8/3/2005
CT1154

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Acetone	PPBv	6.9	08/09/05	TPH	1.0			
Benzene	PPBv	ND	08/09/05	TPH	1.0			
Benzyl Chloride	PPBv	ND	08/09/05	TPH	1.0			
Bromodichloromethane	PPBv	ND	08/09/05	TPH	1.0			
Bromomethane	PPBv	ND	08/09/05	TPH	1.0			
1,3-Butadiene	PPBv	ND	08/09/05	TPH	1.0			
2-Butanone (MEK)	PPBv	ND	08/09/05	TPH	1.0			
Carbon Disulfide	PPBv	ND	08/09/05	TPH	1.0			
Carbon Tetrachloride	PPBv	ND	08/09/05	TPH	1.0			
Chlorobenzene	PPBv	ND	08/09/05	TPH	1.0			
Chlorodibromomethane	PPBv	ND	08/09/05	TPH	1.0			
Chloroethane	PPBv	ND	08/09/05	TPH	1.0			
Chloroform	PPBv	ND	08/09/05	TPH	1.0			
Chloromethane	PPBv	ND	08/09/05	TPH	1.0			
Cyclohexane	PPBv	ND	08/09/05	TPH	1.0			
1,2-Dibromoethane	PPBv	ND	08/09/05	TPH	1.0			
1,2-Dichlorobenzene	PPBv	ND	08/09/05	TPH	1.0			
1,3-Dichlorobenzene	PPBv	ND	08/09/05	TPH	1.0			
1,4-Dichlorobenzene	PPBv	ND	08/09/05	TPH	1.0			
Dichlorodifluoromethane	PPBv	ND	08/09/05	TPH	1.0			
1,1-Dichloroethane	PPBv	2.8	08/09/05	TPH	1.0			
1,2-Dichloroethane	PPBv	ND	08/09/05	TPH	1.0			
1,1-Dichloroethylene	PPBv	5.3	08/09/05	TPH	1.0			
cis-1,2-Dichloroethylene	PPBv	7.6	08/09/05	TPH	1.0			
t-1,2-Dichloroethylene	PPBv	ND	08/09/05	TPH	1.0			
1,2-Dichloropropane	PPBv	ND	08/09/05	TPH	1.0			
cis-1,3-Dichloropropene	PPBv	ND	08/09/05	TPH	1.0			
trans-1,3-Dichloropropene	PPBv	ND	08/09/05	TPH	1.0			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	08/09/05	TPH	1.0			
Ethanol	PPBv	ND	08/09/05	TPH	1.0			

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



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3630 EAST WIER AVENUE
PHOENIX, AZ 85040

8/26/2005

Page 2 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: EFF

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID : 05B32155

Sampled : 8/3/2005

CT1154

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	PPBv	ND	08/09/05	TPH	1.0		
Ethylbenzene	PPBv	ND	08/09/05	TPH	1.0		
4-Ethyl Toluene	PPBv	ND	08/09/05	TPH	1.0		
n-Heptane	PPBv	ND	08/09/05	TPH	1.0		
Hexachlorobutadiene	PPBv	ND	08/09/05	TPH	1.0		
Hexane	PPBv	ND	08/09/05	TPH	1.0		
2-Hexanone	PPBv	ND	08/09/05	TPH	1.0		
Isopropanol	PPBv	ND	08/09/05	TPH	1.0		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	08/09/05	TPH	1.0		
Methylene Chloride	PPBv	16.9	08/09/05	TPH	1.0		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	08/09/05	TPH	1.0		
Propene	PPBv	ND	08/09/05	TPH	1.0		
Styrene	PPBv	ND	08/09/05	TPH	1.0		
1,1,2,2-Tetrachloroethane	PPBv	ND	08/09/05	TPH	1.0		
Tetrachloroethylene	PPBv	ND	08/09/05	TPH	1.0		
Tetrahydrofuran	PPBv	ND	08/09/05	TPH	1.0		
Toluene	PPBv	ND	08/09/05	TPH	1.0		
1,2,4-Trichlorobenzene	PPBv	ND	08/09/05	TPH	1.0		
1,1,1-Trichloroethane	PPBv	ND	08/09/05	TPH	1.0		
1,1,2-Trichloroethane	PPBv	ND	08/09/05	TPH	1.0		
Trichloroethylene	PPBv	ND	08/09/05	TPH	1.0		
Trichlorofluoromethane (Freon 11)	PPBv	2.5	08/09/05	TPH	1.0		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	08/09/05	TPH	1.0		
1,2,4-Trimethylbenzene	PPBv	ND	08/09/05	TPH	1.0		
1,3,5-Trimethylbenzene	PPBv	ND	08/09/05	TPH	1.0		
Vinyl Acetate	PPBv	ND	08/09/05	TPH	1.0		
Vinyl Chloride	PPBv	ND	08/09/05	TPH	1.0		
m/p-Xylene	PPBv	ND	08/09/05	TPH	1.0		
o-Xylene	PPBv	ND	08/09/05	TPH	1.0		

RL = Reporting Limit

ND = Not Detected

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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JIM CLARKE

MACTEC ENGINEERING & CONSULTING - AZ

3630 EAST WIER AVENUE

PHOENIX, AZ 85040

8/26/2005

Page 3 of 31

Purchase Order No.:

Project Location: SOUTH MESA

Date Received: 8/5/2005

Field Sample #: EFF

LIMS-BAT #: LIMS-90833

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



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MACTEC ENGINEERING & CONSULTING - AZ
3630 EAST WIER AVENUE
PHOENIX, AZ 85040

Purchase Order No.:

8/26/2005
Page 4 of 31

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: INF

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID : 05B32153

Sampled : 8/3/2005
CT1080

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	PPBv	14.2	08/09/05	TPH	2.0			
Benzene	PPBv	ND	08/09/05	TPH	2.0			
Benzyl Chloride	PPBv	ND	08/09/05	TPH	2.0			
Bromodichloromethane	PPBv	ND	08/09/05	TPH	2.0			
Bromomethane	PPBv	ND	08/09/05	TPH	2.0			
1,3-Butadiene	PPBv	ND	08/09/05	TPH	2.0			
2-Butanone (MEK)	PPBv	2.6	08/09/05	TPH	2.0			
Carbon Disulfide	PPBv	ND	08/09/05	TPH	2.0			
Carbon Tetrachloride	PPBv	ND	08/09/05	TPH	2.0			
Chlorobenzene	PPBv	ND	08/09/05	TPH	2.0			
Chlorodibromomethane	PPBv	ND	08/09/05	TPH	2.0			
Chloroethane	PPBv	ND	08/09/05	TPH	2.0			
Chloroform	PPBv	ND	08/09/05	TPH	2.0			
Chloromethane	PPBv	ND	08/09/05	TPH	2.0			
Cyclohexane	PPBv	ND	08/09/05	TPH	2.0			
1,2-Dibromoethane	PPBv	ND	08/09/05	TPH	2.0			
1,2-Dichlorobenzene	PPBv	ND	08/09/05	TPH	2.0			
1,3-Dichlorobenzene	PPBv	ND	08/09/05	TPH	2.0			
1,4-Dichlorobenzene	PPBv	ND	08/09/05	TPH	2.0			
Dichlorodifluoromethane	PPBv	ND	08/09/05	TPH	2.0			
1,1-Dichloroethane	PPBv	ND	08/09/05	TPH	2.0			
1,2-Dichloroethane	PPBv	ND	08/09/05	TPH	2.0			
1,1-Dichloroethylene	PPBv	ND	08/09/05	TPH	2.0			
cis-1,2-Dichloroethylene	PPBv	ND	08/09/05	TPH	2.0			
t-1,2-Dichloroethylene	PPBv	ND	08/09/05	TPH	2.0			
1,2-Dichloropropane	PPBv	ND	08/09/05	TPH	2.0			
cis-1,3-Dichloropropene	PPBv	ND	08/09/05	TPH	2.0			
trans-1,3-Dichloropropene	PPBv	ND	08/09/05	TPH	2.0			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	08/09/05	TPH	2.0			
Ethanol	PPBv	9.9	08/09/05	TPH	2.0			

RL = Reporting Limit

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NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

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PHOENIX, AZ 85040

8/26/2005
Page 5 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: INF

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID : 05B32153

Sampled : 8/3/2005
CT1080

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Ethyl Acetate	PPBv	ND	08/09/05	TPH	2.0			
Ethylbenzene	PPBv	ND	08/09/05	TPH	2.0			
4-Ethyl Toluene	PPBv	ND	08/09/05	TPH	2.0			
n-Heptane	PPBv	ND	08/09/05	TPH	2.0			
Hexachlorobutadiene	PPBv	ND	08/09/05	TPH	2.0			
Hexane	PPBv	ND	08/09/05	TPH	2.0			
2-Hexanone	PPBv	ND	08/09/05	TPH	2.0			
Isopropanol	PPBv	ND	08/09/05	TPH	2.0			
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	08/09/05	TPH	2.0			
Methylene Chloride	PPBv	ND	08/09/05	TPH	2.0			
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	08/09/05	TPH	2.0			
Propene	PPBv	ND	08/09/05	TPH	2.0			
Styrene	PPBv	ND	08/09/05	TPH	2.0			
1,1,2,2-Tetrachloroethane	PPBv	ND	08/09/05	TPH	2.0			
Tetrachloroethylene	PPBv	370.	08/09/05	TPH	2.0			
Tetrahydrofuran	PPBv	ND	08/09/05	TPH	2.0			
Toluene	PPBv	ND	08/09/05	TPH	2.0			
1,2,4-Trichlorobenzene	PPBv	ND	08/09/05	TPH	2.0			
1,1,1-Trichloroethane	PPBv	ND	08/09/05	TPH	2.0			
1,1,2-Trichloroethane	PPBv	ND	08/09/05	TPH	2.0			
Trichloroethylene	PPBv	ND	08/09/05	TPH	2.0			
Trichlorofluoromethane (Freon 11)	PPBv	ND	08/09/05	TPH	2.0			
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	08/09/05	TPH	2.0			
1,2,4-Trimethylbenzene	PPBv	ND	08/09/05	TPH	2.0			
1,3,5-Trimethylbenzene	PPBv	ND	08/09/05	TPH	2.0			
Vinyl Acetate	PPBv	ND	08/09/05	TPH	2.0			
Vinyl Chloride	PPBv	ND	08/09/05	TPH	2.0			
m/p-Xylene	PPBv	ND	08/09/05	TPH	2.0			
o-Xylene	PPBv	ND	08/09/05	TPH	2.0			

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Purchase Order No.:

8/26/2005

Page 6 of 31

Project Location: SOUTH MESA

Date Received: 8/5/2005

LIMS-BAT #: LIMS-90833

Job Number: 4972-04-2034

Field Sample #: INF

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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8/26/2005
Page 7 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: INT

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID : 05B32154

Sampled : 8/3/2005
CT1125

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Acetone	PPBv	14.7	08/09/05	TPH	1.0			
Benzene	PPBv	ND	08/09/05	TPH	1.0			
Benzyl Chloride	PPBv	ND	08/09/05	TPH	1.0			
Bromodichloromethane	PPBv	ND	08/09/05	TPH	1.0			
Bromomethane	PPBv	ND	08/09/05	TPH	1.0			
1,3-Butadiene	PPBv	ND	08/09/05	TPH	1.0			
2-Butanone (MEK)	PPBv	ND	08/09/05	TPH	1.0			
Carbon Disulfide	PPBv	ND	08/09/05	TPH	1.0			
Carbon Tetrachloride	PPBv	ND	08/09/05	TPH	1.0			
Chlorobenzene	PPBv	ND	08/09/05	TPH	1.0			
Chlorodibromomethane	PPBv	ND	08/09/05	TPH	1.0			
Chloroethane	PPBv	ND	08/09/05	TPH	1.0			
Chloroform	PPBv	2.9	08/09/05	TPH	1.0			
Chloromethane	PPBv	ND	08/09/05	TPH	1.0			
Cyclohexane	PPBv	ND	08/09/05	TPH	1.0			
1,2-Dibromoethane	PPBv	ND	08/09/05	TPH	1.0			
1,2-Dichlorobenzene	PPBv	ND	08/09/05	TPH	1.0			
1,3-Dichlorobenzene	PPBv	ND	08/09/05	TPH	1.0			
1,4-Dichlorobenzene	PPBv	ND	08/09/05	TPH	1.0			
Dichlorodifluoromethane	PPBv	ND	08/09/05	TPH	1.0			
1,1-Dichloroethane	PPBv	8.7	08/09/05	TPH	1.0			
1,2-Dichloroethane	PPBv	ND	08/09/05	TPH	1.0			
1,1-Dichloroethylene	PPBv	3.6	08/09/05	TPH	1.0			
cis-1,2-Dichloroethylene	PPBv	3.8	08/09/05	TPH	1.0			
t-1,2-Dichloroethylene	PPBv	ND	08/09/05	TPH	1.0			
1,2-Dichloropropane	PPBv	ND	08/09/05	TPH	1.0			
cis-1,3-Dichloropropene	PPBv	ND	08/09/05	TPH	1.0			
trans-1,3-Dichloropropene	PPBv	ND	08/09/05	TPH	1.0			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	08/09/05	TPH	1.0			
Ethanol	PPBv	ND	08/09/05	TPH	1.0			

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Purchase Order No.:

8/26/2005
Page 8 of 31

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: INT

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID : 05B32154

Sampled : 8/3/2005
CT1125

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Ethyl Acetate	PPBv	ND	08/09/05	TPH	1.0			
Ethylbenzene	PPBv	ND	08/09/05	TPH	1.0			
4-Ethyl Toluene	PPBv	ND	08/09/05	TPH	1.0			
n-Heptane	PPBv	ND	08/09/05	TPH	1.0			
Hexachlorobutadiene	PPBv	ND	08/09/05	TPH	1.0			
Hexane	PPBv	ND	08/09/05	TPH	1.0			
2-Hexanone	PPBv	ND	08/09/05	TPH	1.0			
Isopropanol	PPBv	ND	08/09/05	TPH	1.0			
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	08/09/05	TPH	1.0			
Methylene Chloride	PPBv	18.2	08/09/05	TPH	1.0			
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	08/09/05	TPH	1.0			
Propene	PPBv	ND	08/09/05	TPH	1.0			
Styrene	PPBv	ND	08/09/05	TPH	1.0			
1,1,2,2-Tetrachloroethane	PPBv	ND	08/09/05	TPH	1.0			
Tetrachloroethylene	PPBv	76.5	08/09/05	TPH	1.0			
Tetrahydrofuran	PPBv	ND	08/09/05	TPH	1.0			
Toluene	PPBv	2.4	08/09/05	TPH	1.0			
1,2,4-Trichlorobenzene	PPBv	ND	08/09/05	TPH	1.0			
1,1,1-Trichloroethane	PPBv	ND	08/09/05	TPH	1.0			
1,1,2-Trichloroethane	PPBv	ND	08/09/05	TPH	1.0			
Trichloroethylene	PPBv	1.6	08/09/05	TPH	1.0			
Trichlorofluoromethane (Freon 11)	PPBv	1.2	08/09/05	TPH	1.0			
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	08/09/05	TPH	1.0			
1,2,4-Trimethylbenzene	PPBv	ND	08/09/05	TPH	1.0			
1,3,5-Trimethylbenzene	PPBv	ND	08/09/05	TPH	1.0			
Vinyl Acetate	PPBv	ND	08/09/05	TPH	1.0			
Vinyl Chloride	PPBv	ND	08/09/05	TPH	1.0			
m/p-Xylene	PPBv	1.5	08/09/05	TPH	1.0			
o-Xylene	PPBv	ND	08/09/05	TPH	1.0			

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Purchase Order No.:

8/26/2005

Page 9 of 31

Project Location: SOUTH MESA

LIMS-BAT #: LIMS-90833

Date Received: 8/5/2005

Job Number: 4972-04-2034

Field Sample #: INT

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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8/26/2005
Page 10 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: VW5-AB

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID : 05B32156

Sampled : 8/3/2005
CT1091

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	PPBv	ND	08/09/05	TPH	2.0		
Benzene	PPBv	ND	08/09/05	TPH	2.0		
Benzyl Chloride	PPBv	ND	08/09/05	TPH	2.0		
Bromodichloromethane	PPBv	ND	08/09/05	TPH	2.0		
Bromomethane	PPBv	ND	08/09/05	TPH	2.0		
1,3-Butadiene	PPBv	ND	08/09/05	TPH	2.0		
2-Butanone (MEK)	PPBv	ND	08/09/05	TPH	2.0		
Carbon Disulfide	PPBv	ND	08/09/05	TPH	2.0		
Carbon Tetrachloride	PPBv	ND	08/09/05	TPH	2.0		
Chlorobenzene	PPBv	ND	08/09/05	TPH	2.0		
Chlorodibromomethane	PPBv	ND	08/09/05	TPH	2.0		
Chloroethane	PPBv	ND	08/09/05	TPH	2.0		
Chloroform	PPBv	5.6	08/09/05	TPH	2.0		
Chloromethane	PPBv	ND	08/09/05	TPH	2.0		
Cyclohexane	PPBv	ND	08/09/05	TPH	2.0		
1,2-Dibromoethane	PPBv	ND	08/09/05	TPH	2.0		
1,2-Dichlorobenzene	PPBv	ND	08/09/05	TPH	2.0		
1,3-Dichlorobenzene	PPBv	ND	08/09/05	TPH	2.0		
1,4-Dichlorobenzene	PPBv	ND	08/09/05	TPH	2.0		
Dichlorodifluoromethane	PPBv	ND	08/09/05	TPH	2.0		
1,1-Dichloroethane	PPBv	ND	08/09/05	TPH	2.0		
1,2-Dichloroethane	PPBv	ND	08/09/05	TPH	2.0		
1,1-Dichloroethylene	PPBv	ND	08/09/05	TPH	2.0		
cis-1,2-Dichloroethylene	PPBv	35.5	08/09/05	TPH	2.0		
t-1,2-Dichloroethylene	PPBv	ND	08/09/05	TPH	2.0		
1,2-Dichloropropane	PPBv	ND	08/09/05	TPH	2.0		
cis-1,3-Dichloropropene	PPBv	ND	08/09/05	TPH	2.0		
trans-1,3-Dichloropropene	PPBv	ND	08/09/05	TPH	2.0		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	08/09/05	TPH	2.0		
Ethanol	PPBv	ND	08/09/05	TPH	2.0		

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8/26/2005
Page 11 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: VW5-AB

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID : 05B32156

Sampled : 8/3/2005
CT1091

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	PPBv	ND	08/09/05	TPH	2.0		
Ethylbenzene	PPBv	ND	08/09/05	TPH	2.0		
4-Ethyl Toluene	PPBv	ND	08/09/05	TPH	2.0		
n-Heptane	PPBv	ND	08/09/05	TPH	2.0		
Hexachlorobutadiene	PPBv	ND	08/09/05	TPH	2.0		
Hexane	PPBv	ND	08/09/05	TPH	2.0		
2-Hexanone	PPBv	ND	08/09/05	TPH	2.0		
Isopropanol	PPBv	ND	08/09/05	TPH	2.0		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	08/09/05	TPH	2.0		
Methylene Chloride	PPBv	530.	08/09/05	TPH	2.0		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	08/09/05	TPH	2.0		
Propene	PPBv	ND	08/09/05	TPH	2.0		
Styrene	PPBv	ND	08/09/05	TPH	2.0		
1,1,2,2-Tetrachloroethane	PPBv	ND	08/09/05	TPH	2.0		
Tetrachloroethylene	PPBv	136.	08/09/05	TPH	2.0		
Tetrahydrofuran	PPBv	ND	08/09/05	TPH	2.0		
Toluene	PPBv	ND	08/09/05	TPH	2.0		
1,2,4-Trichlorobenzene	PPBv	ND	08/09/05	TPH	2.0		
1,1,1-Trichloroethane	PPBv	ND	08/09/05	TPH	2.0		
1,1,2-Trichloroethane	PPBv	ND	08/09/05	TPH	2.0		
Trichloroethylene	PPBv	4.0	08/09/05	TPH	2.0		
Trichlorofluoromethane (Freon 11)	PPBv	4.7	08/09/05	TPH	2.0		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	08/09/05	TPH	2.0		
1,2,4-Trimethylbenzene	PPBv	6.8	08/09/05	TPH	2.0		
1,3,5-Trimethylbenzene	PPBv	2.0	08/09/05	TPH	2.0		
Vinyl Acetate	PPBv	ND	08/09/05	TPH	2.0		
Vinyl Chloride	PPBv	ND	08/09/05	TPH	2.0		
m/p-Xylene	PPBv	11.4	08/09/05	TPH	2.0		
o-Xylene	PPBv	ND	08/09/05	TPH	2.0		

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Purchase Order No.:

8/26/2005

Page 12 of 31

Project Location: SOUTH MESA

Date Received: 8/5/2005

Field Sample #: VW5-AB

LIMS-BAT #: LIMS-90833

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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8/26/2005
Page 13 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: VW7-B

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID: 05B32157

Sampled: 8/3/2005
CT1141

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	PPBv	ND	08/09/05	TPH	2.0		
Benzene	PPBv	ND	08/09/05	TPH	2.0		
Benzyl Chloride	PPBv	ND	08/09/05	TPH	2.0		
Bromodichloromethane	PPBv	ND	08/09/05	TPH	2.0		
Bromomethane	PPBv	ND	08/09/05	TPH	2.0		
1,3-Butadiene	PPBv	ND	08/09/05	TPH	2.0		
2-Butanone (MEK)	PPBv	ND	08/09/05	TPH	2.0		
Carbon Disulfide	PPBv	ND	08/09/05	TPH	2.0		
Carbon Tetrachloride	PPBv	ND	08/09/05	TPH	2.0		
Chlorobenzene	PPBv	ND	08/09/05	TPH	2.0		
Chlorodibromomethane	PPBv	ND	08/09/05	TPH	2.0		
Chloroethane	PPBv	ND	08/09/05	TPH	2.0		
Chloroform	PPBv	7.7	08/09/05	TPH	2.0		
Chloromethane	PPBv	ND	08/09/05	TPH	2.0		
Cyclohexane	PPBv	ND	08/09/05	TPH	2.0		
1,2-Dibromoethane	PPBv	ND	08/09/05	TPH	2.0		
1,2-Dichlorobenzene	PPBv	ND	08/09/05	TPH	2.0		
1,3-Dichlorobenzene	PPBv	ND	08/09/05	TPH	2.0		
1,4-Dichlorobenzene	PPBv	ND	08/09/05	TPH	2.0		
Dichlorodifluoromethane	PPBv	ND	08/09/05	TPH	2.0		
1,1-Dichloroethane	PPBv	35.5	08/09/05	TPH	2.0		
1,2-Dichloroethane	PPBv	ND	08/09/05	TPH	2.0		
1,1-Dichloroethylene	PPBv	29.0	08/09/05	TPH	2.0		
cis-1,2-Dichloroethylene	PPBv	6.4	08/09/05	TPH	2.0		
t-1,2-Dichloroethylene	PPBv	ND	08/09/05	TPH	2.0		
1,2-Dichloropropane	PPBv	15.6	08/09/05	TPH	2.0		
cis-1,3-Dichloropropene	PPBv	ND	08/09/05	TPH	2.0		
trans-1,3-Dichloropropene	PPBv	ND	08/09/05	TPH	2.0		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	08/09/05	TPH	2.0		
Ethanol	PPBv	ND	08/09/05	TPH	2.0		

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PHOENIX, AZ 85040

8/26/2005
Page 14 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: VW7-B

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID : 05B32157

Sampled : 8/3/2005
CT1141

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Ethyl Acetate	PPBv	ND	08/09/05	TPH	2.0			
Ethylbenzene	PPBv	ND	08/09/05	TPH	2.0			
4-Ethyl Toluene	PPBv	ND	08/09/05	TPH	2.0			
n-Heptane	PPBv	ND	08/09/05	TPH	2.0			
Hexachlorobutadiene	PPBv	ND	08/09/05	TPH	2.0			
Hexane	PPBv	ND	08/09/05	TPH	2.0			
2-Hexanone	PPBv	ND	08/09/05	TPH	2.0			
Isopropanol	PPBv	ND	08/09/05	TPH	2.0			
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	08/09/05	TPH	2.0			
Methylene Chloride	PPBv	ND	08/09/05	TPH	2.0			
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	08/09/05	TPH	2.0			
Propene	PPBv	ND	08/09/05	TPH	2.0			
Styrene	PPBv	ND	08/09/05	TPH	2.0			
1,1,2,2-Tetrachloroethane	PPBv	ND	08/09/05	TPH	2.0			
Tetrachloroethylene	PPBv	950.	08/09/05	TPH	2.0			
Tetrahydrofuran	PPBv	ND	08/09/05	TPH	2.0			
Toluene	PPBv	ND	08/09/05	TPH	2.0			
1,2,4-Trichlorobenzene	PPBv	ND	08/09/05	TPH	2.0			
1,1,1-Trichloroethane	PPBv	ND	08/09/05	TPH	2.0			
1,1,2-Trichloroethane	PPBv	ND	08/09/05	TPH	2.0			
Trichloroethylene	PPBv	3.4	08/09/05	TPH	2.0			
Trichlorofluoromethane (Freon 11)	PPBv	5.5	08/09/05	TPH	2.0			
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	08/09/05	TPH	2.0			
1,2,4-Trimethylbenzene	PPBv	ND	08/09/05	TPH	2.0			
1,3,5-Trimethylbenzene	PPBv	ND	08/09/05	TPH	2.0			
Vinyl Acetate	PPBv	ND	08/09/05	TPH	2.0			
Vinyl Chloride	PPBv	ND	08/09/05	TPH	2.0			
m/p-Xylene	PPBv	ND	08/09/05	TPH	2.0			
o-Xylene	PPBv	ND	08/09/05	TPH	2.0			

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



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Purchase Order No.:

8/26/2005

Page 15 of 31

Project Location: SOUTH MESA

Date Received: 8/5/2005

Field Sample #: VW7-B

LIMS-BAT #: LIMS-90833

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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8/26/2005
Page 16 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: EFF

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID : 05B32155

Sampled : 8/3/2005
CT1154

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	16.4	08/09/05	TPH	2.4		
Benzene	ug/m3	ND	08/09/05	TPH	3.2		
Benzyl Chloride	ug/m3	ND	08/09/05	TPH	5.2		
Bromodichloromethane	ug/m3	ND	08/09/05	TPH	6.8		
Bromomethane	ug/m3	ND	08/09/05	TPH	3.9		
1,3-Butadiene	ug/m3	ND	08/09/05	TPH	2.2		
2-Butanone (MEK)	ug/m3	ND	08/09/05	TPH	3.0		
Carbon Disulfide	ug/m3	ND	08/09/05	TPH	3.2		
Carbon Tetrachloride	ug/m3	ND	08/09/05	TPH	6.2		
Chlorobenzene	ug/m3	ND	08/09/05	TPH	4.6		
Chlorodibromomethane	ug/m3	ND	08/09/05	TPH	8.6		
Chloroethane	ug/m3	ND	08/09/05	TPH	2.7		
Chloroform	ug/m3	ND	08/09/05	TPH	4.9		
Chloromethane	ug/m3	ND	08/09/05	TPH	2.1		
Cyclohexane	ug/m3	ND	08/09/05	TPH	3.4		
1,2-Dibromoethane	ug/m3	ND	08/09/05	TPH	7.7		
1,2-Dichlorobenzene	ug/m3	ND	08/09/05	TPH	6.1		
1,3-Dichlorobenzene	ug/m3	ND	08/09/05	TPH	6.1		
1,4-Dichlorobenzene	ug/m3	ND	08/09/05	TPH	6.1		
Dichlorodifluoromethane	ug/m3	ND	08/09/05	TPH	5.0		
1,1-Dichloroethane	ug/m3	11.3	08/09/05	TPH	4.0		
1,2-Dichloroethane	ug/m3	ND	08/09/05	TPH	4.1		
1,1-Dichloroethylene	ug/m3	20.9	08/09/05	TPH	4.0		
cis-1,2-Dichloroethylene	ug/m3	30.1	08/09/05	TPH	4.0		
t-1,2-Dichloroethylene	ug/m3	ND	08/09/05	TPH	4.0		
1,2-Dichloropropane	ug/m3	ND	08/09/05	TPH	4.7		
cis-1,3-Dichloropropene	ug/m3	ND	08/09/05	TPH	4.6		
trans-1,3-Dichloropropene	ug/m3	ND	08/09/05	TPH	4.6		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	08/09/05	TPH	7.0		
Ethanol	ug/m3	ND	08/09/05	TPH	1.8		

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Purchase Order No.:

8/26/2005

Page 17 of 31

Project Location: SOUTH MESA

Date Received: 8/5/2005

Field Sample #: EFF

LIMS-BAT #: LIMS-90833

Job Number: 4972-04-2034

Sample ID : 05B32155

Sampled : 8/3/2005

CT1154

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Ethyl Acetate	ug/m3	ND	08/09/05	TPH	3.6		
Ethylbenzene	ug/m3	ND	08/09/05	TPH	4.4		
4-Ethyl Toluene	ug/m3	ND	08/09/05	TPH	5.0		
n-Heptane	ug/m3	ND	08/09/05	TPH	4.0		
Hexachlorobutadiene	ug/m3	ND	08/09/05	TPH	10.7		
Hexane	ug/m3	ND	08/09/05	TPH	3.6		
2-Hexanone	ug/m3	ND	08/09/05	TPH	4.0		
Isopropanol	ug/m3	ND	08/09/05	TPH	2.4		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	08/09/05	TPH	3.6		
Methylene Chloride	ug/m3	58.5	08/09/05	TPH	3.5		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	08/09/05	TPH	4.0		
Propene	ug/m3	ND	08/09/05	TPH	1.8		
Styrene	ug/m3	ND	08/09/05	TPH	4.3		
1,1,2,2-Tetrachloroethane	ug/m3	ND	08/09/05	TPH	6.9		
Tetrachloroethylene	ug/m3	ND	08/09/05	TPH	6.8		
Tetrahydrofuran	ug/m3	ND	08/09/05	TPH	3.0		
Toluene	ug/m3	ND	08/09/05	TPH	3.8		
1,2,4-Trichlorobenzene	ug/m3	ND	08/09/05	TPH	7.5		
1,1,1-Trichloroethane	ug/m3	ND	08/09/05	TPH	5.5		
1,1,2-Trichloroethane	ug/m3	ND	08/09/05	TPH	5.5		
Trichloroethylene	ug/m3	ND	08/09/05	TPH	5.4		
Trichlorofluoromethane	ug/m3	14.3	08/09/05	TPH	5.6		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	08/09/05	TPH	7.7		
1,2,4-Trimethylbenzene	ug/m3	ND	08/09/05	TPH	5.0		
1,3,5-Trimethylbenzene	ug/m3	ND	08/09/05	TPH	5.0		
Vinyl Acetate	ug/m3	ND	08/09/05	TPH	3.6		
Vinyl Chloride	ug/m3	ND	08/09/05	TPH	2.6		
m/p-Xylene	ug/m3	ND	08/09/05	TPH	4.4		
o-Xylene	ug/m3	ND	08/09/05	TPH	4.4		

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Purchase Order No.:

8/26/2005

Page 18 of 31

Project Location: SOUTH MESA

Date Received: 8/5/2005

LIMS-BAT #: LIMS-90833

Job Number: 4972-04-2034

Field Sample #: EFF

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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8/26/2005
Page 19 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: INF

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID : *05B32153

Sampled : 8/3/2005
CT1080

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	33.8	08/09/05	TPH	4.8		
Benzene	ug/m3	ND	08/09/05	TPH	6.4		
Benzyl Chloride	ug/m3	ND	08/09/05	TPH	10.4		
Bromodichloromethane	ug/m3	ND	08/09/05	TPH	13.6		
Bromomethane	ug/m3	ND	08/09/05	TPH	7.8		
1,3-Butadiene	ug/m3	ND	08/09/05	TPH	4.4		
2-Butanone (MEK)	ug/m3	7.8	08/09/05	TPH	6.0		
Carbon Disulfide	ug/m3	ND	08/09/05	TPH	6.4		
Carbon Tetrachloride	ug/m3	ND	08/09/05	TPH	12.4		
Chlorobenzene	ug/m3	ND	08/09/05	TPH	9.2		
Chlorodibromomethane	ug/m3	ND	08/09/05	TPH	17.2		
Chloroethane	ug/m3	ND	08/09/05	TPH	5.3		
Chloroform	ug/m3	ND	08/09/05	TPH	9.8		
Chloromethane	ug/m3	ND	08/09/05	TPH	4.2		
Cyclohexane	ug/m3	ND	08/09/05	TPH	6.8		
1,2-Dibromoethane	ug/m3	ND	08/09/05	TPH	15.4		
1,2-Dichlorobenzene	ug/m3	ND	08/09/05	TPH	12.1		
1,3-Dichlorobenzene	ug/m3	ND	08/09/05	TPH	12.1		
1,4-Dichlorobenzene	ug/m3	ND	08/09/05	TPH	12.1		
Dichlorodifluoromethane	ug/m3	ND	08/09/05	TPH	9.9		
1,1-Dichloroethane	ug/m3	ND	08/09/05	TPH	8.1		
1,2-Dichloroethane	ug/m3	ND	08/09/05	TPH	8.1		
1,1-Dichloroethylene	ug/m3	ND	08/09/05	TPH	8.0		
cis-1,2-Dichloroethylene	ug/m3	ND	08/09/05	TPH	8.0		
t-1,2-Dichloroethylene	ug/m3	ND	08/09/05	TPH	8.0		
1,2-Dichloropropane	ug/m3	ND	08/09/05	TPH	9.3		
cis-1,3-Dichloropropene	ug/m3	ND	08/09/05	TPH	9.1		
trans-1,3-Dichloropropene	ug/m3	ND	08/09/05	TPH	9.1		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	08/09/05	TPH	14.0		
Ethanol	ug/m3	18.6	08/09/05	TPH	3.6		

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8/26/2005

Page 20 of 31

Purchase Order No.:

Project Location: SOUTH MESA

LIMS-BAT #: LIMS-90833

Date Received: 8/5/2005

Job Number: 4972-04-2034

Field Sample #: INF

Sample ID: *05B32153

Sampled: 8/3/2005

CT1080

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	08/09/05	TPH	7.2		
Ethylbenzene	ug/m3	ND	08/09/05	TPH	8.7		
4-Ethyl Toluene	ug/m3	ND	08/09/05	TPH	10.0		
n-Heptane	ug/m3	ND	08/09/05	TPH	8.0		
Hexachlorobutadiene	ug/m3	ND	08/09/05	TPH	21.4		
Hexane	ug/m3	ND	08/09/05	TPH	7.2		
2-Hexanone	ug/m3	ND	08/09/05	TPH	8.0		
Isopropanol	ug/m3	ND	08/09/05	TPH	4.8		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	08/09/05	TPH	7.2		
Methylene Chloride	ug/m3	ND	08/09/05	TPH	7.0		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	08/09/05	TPH	8.0		
Propene	ug/m3	ND	08/09/05	TPH	3.6		
Styrene	ug/m3	ND	08/09/05	TPH	8.6		
1,1,2,2-Tetrachloroethane	ug/m3	ND	08/09/05	TPH	13.8		
Tetrachloroethylene	ug/m3	2510	08/09/05	TPH	14.		
Tetrahydrofuran	ug/m3	ND	08/09/05	TPH	6.0		
Toluene	ug/m3	ND	08/09/05	TPH	7.6		
1,2,4-Trichlorobenzene	ug/m3	ND	08/09/05	TPH	14.9		
1,1,1-Trichloroethane	ug/m3	ND	08/09/05	TPH	11.0		
1,1,2-Trichloroethane	ug/m3	ND	08/09/05	TPH	11.0		
Trichloroethylene	ug/m3	ND	08/09/05	TPH	10.8		
Trichlorofluoromethane	ug/m3	ND	08/09/05	TPH	11.3		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	08/09/05	TPH	15.4		
1,2,4-Trimethylbenzene	ug/m3	ND	08/09/05	TPH	9.9		
1,3,5-Trimethylbenzene	ug/m3	ND	08/09/05	TPH	9.9		
Vinyl Acetate	ug/m3	ND	08/09/05	TPH	7.2		
Vinyl Chloride	ug/m3	ND	08/09/05	TPH	5.2		
m/p-Xylene	ug/m3	ND	08/09/05	TPH	8.7		
o-Xylene	ug/m3	ND	08/09/05	TPH	8.7		

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Purchase Order No.:

8/26/2005

Page 21 of 31

Project Location: SOUTH MESA

Date Received: 8/5/2005

Field Sample #: INF

LIMS-BAT #: LIMS-90833

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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8/26/2005
Page 22 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: INT

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID : 05B32154

Sampled : 8/3/2005
CT1125

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Acetone	ug/m3	35.0	08/09/05	TPH	2.4		
Benzene	ug/m3	ND	08/09/05	TPH	3.2		
Benzyl Chloride	ug/m3	ND	08/09/05	TPH	5.2		
Bromodichloromethane	ug/m3	ND	08/09/05	TPH	6.8		
Bromomethane	ug/m3	ND	08/09/05	TPH	3.9		
1,3-Butadiene	ug/m3	ND	08/09/05	TPH	2.2		
2-Butanone (MEK)	ug/m3	ND	08/09/05	TPH	3.0		
Carbon Disulfide	ug/m3	ND	08/09/05	TPH	3.2		
Carbon Tetrachloride	ug/m3	ND	08/09/05	TPH	6.2		
Chlorobenzene	ug/m3	ND	08/09/05	TPH	4.6		
Chlorodibromomethane	ug/m3	ND	08/09/05	TPH	8.6		
Chloroethane	ug/m3	ND	08/09/05	TPH	2.7		
Chloroform	ug/m3	14.2	08/09/05	TPH	4.9		
Chloromethane	ug/m3	ND	08/09/05	TPH	2.1		
Cyclohexane	ug/m3	ND	08/09/05	TPH	3.4		
1,2-Dibromoethane	ug/m3	ND	08/09/05	TPH	7.7		
1,2-Dichlorobenzene	ug/m3	ND	08/09/05	TPH	6.1		
1,3-Dichlorobenzene	ug/m3	ND	08/09/05	TPH	6.1		
1,4-Dichlorobenzene	ug/m3	ND	08/09/05	TPH	6.1		
Dichlorodifluoromethane	ug/m3	ND	08/09/05	TPH	5.0		
1,1-Dichloroethane	ug/m3	35.2	08/09/05	TPH	4.0		
1,2-Dichloroethane	ug/m3	ND	08/09/05	TPH	4.1		
1,1-Dichloroethylene	ug/m3	14.1	08/09/05	TPH	4.0		
cis-1,2-Dichloroethylene	ug/m3	15.1	08/09/05	TPH	4.0		
t-1,2-Dichloroethylene	ug/m3	ND	08/09/05	TPH	4.0		
1,2-Dichloropropane	ug/m3	ND	08/09/05	TPH	4.7		
cis-1,3-Dichloropropene	ug/m3	ND	08/09/05	TPH	4.6		
trans-1,3-Dichloropropene	ug/m3	ND	08/09/05	TPH	4.6		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	08/09/05	TPH	7.0		
Ethanol	ug/m3	ND	08/09/05	TPH	1.8		

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8/26/2005
Page 23 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: INT

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID : 05B32154

Sampled : 8/3/2005
CT1125

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Ethyl Acetate	ug/m3	ND	08/09/05	TPH	3.6		
Ethylbenzene	ug/m3	ND	08/09/05	TPH	4.4		
4-Ethyl Toluene	ug/m3	ND	08/09/05	TPH	5.0		
n-Heptane	ug/m3	ND	08/09/05	TPH	4.0		
Hexachlorobutadiene	ug/m3	ND	08/09/05	TPH	10.7		
Hexane	ug/m3	ND	08/09/05	TPH	3.6		
2-Hexanone	ug/m3	ND	08/09/05	TPH	4.0		
Isopropanol	ug/m3	ND	08/09/05	TPH	2.4		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	08/09/05	TPH	3.6		
Methylene Chloride	ug/m3	63.2	08/09/05	TPH	3.5		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	08/09/05	TPH	4.0		
Propene	ug/m3	ND	08/09/05	TPH	1.8		
Styrene	ug/m3	ND	08/09/05	TPH	4.3		
1,1,2,2-Tetrachloroethane	ug/m3	ND	08/09/05	TPH	6.9		
Tetrachloroethylene	ug/m3	519.	08/09/05	TPH	6.8		
Tetrahydrofuran	ug/m3	ND	08/09/05	TPH	3.0		
Toluene	ug/m3	9.2	08/09/05	TPH	3.8		
1,2,4-Trichlorobenzene	ug/m3	ND	08/09/05	TPH	7.5		
1,1,1-Trichloroethane	ug/m3	ND	08/09/05	TPH	5.5		
1,1,2-Trichloroethane	ug/m3	ND	08/09/05	TPH	5.5		
Trichloroethylene	ug/m3	8.8	08/09/05	TPH	5.4		
Trichlorofluoromethane	ug/m3	6.9	08/09/05	TPH	5.6		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	08/09/05	TPH	7.7		
1,2,4-Trimethylbenzene	ug/m3	ND	08/09/05	TPH	5.0		
1,3,5-Trimethylbenzene	ug/m3	ND	08/09/05	TPH	5.0		
Vinyl Acetate	ug/m3	ND	08/09/05	TPH	3.6		
Vinyl Chloride	ug/m3	ND	08/09/05	TPH	2.6		
m/p-Xylene	ug/m3	6.3	08/09/05	TPH	4.3		
o-Xylene	ug/m3	ND	08/09/05	TPH	4.4		

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* = See end of report for comments and notes applying to this sample



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Purchase Order No.:

8/26/2005

Page 24 of 31

Project Location: SOUTH MESA

Date Received: 8/5/2005

LIMS-BAT #: LIMS-90833

Job Number: 4972-04-2034

Field Sample #: INT

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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8/26/2005
Page 25 of 31

Purchase Order No.:

Project Location: SOUTH MESA

LIMS-BAT #: LIMS-90833

Date Received: 8/5/2005

Job Number: 4972-04-2034

Field Sample #: VW5-AB

Sample ID: *05B32156

Sampled: 8/3/2005

CT1091

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	ND	08/09/05	TPH	4.8		
Benzene	ug/m3	ND	08/09/05	TPH	6.4		
Benzyl Chloride	ug/m3	ND	08/09/05	TPH	10.4		
Bromodichloromethane	ug/m3	ND	08/09/05	TPH	13.6		
Bromomethane	ug/m3	ND	08/09/05	TPH	7.8		
1,3-Butadiene	ug/m3	ND	08/09/05	TPH	4.4		
2-Butanone (MEK)	ug/m3	ND	08/09/05	TPH	6.0		
Carbon Disulfide	ug/m3	ND	08/09/05	TPH	6.4		
Carbon Tetrachloride	ug/m3	ND	08/09/05	TPH	12.4		
Chlorobenzene	ug/m3	ND	08/09/05	TPH	9.2		
Chlorodibromomethane	ug/m3	ND	08/09/05	TPH	17.2		
Chloroethane	ug/m3	ND	08/09/05	TPH	5.3		
Chloroform	ug/m3	27.3	08/09/05	TPH	9.7		
Chloromethane	ug/m3	ND	08/09/05	TPH	4.2		
Cyclohexane	ug/m3	ND	08/09/05	TPH	6.8		
1,2-Dibromoethane	ug/m3	ND	08/09/05	TPH	15.4		
1,2-Dichlorobenzene	ug/m3	ND	08/09/05	TPH	12.1		
1,3-Dichlorobenzene	ug/m3	ND	08/09/05	TPH	12.1		
1,4-Dichlorobenzene	ug/m3	ND	08/09/05	TPH	12.1		
Dichlorodifluoromethane	ug/m3	ND	08/09/05	TPH	9.9		
1,1-Dichloroethane	ug/m3	ND	08/09/05	TPH	8.1		
1,2-Dichloroethane	ug/m3	ND	08/09/05	TPH	8.1		
1,1-Dichloroethylene	ug/m3	ND	08/09/05	TPH	8.0		
cis-1,2-Dichloroethylene	ug/m3	141.	08/09/05	TPH	7.9		
t-1,2-Dichloroethylene	ug/m3	ND	08/09/05	TPH	8.0		
1,2-Dichloropropane	ug/m3	ND	08/09/05	TPH	9.3		
cis-1,3-Dichloropropene	ug/m3	ND	08/09/05	TPH	9.1		
trans-1,3-Dichloropropene	ug/m3	ND	08/09/05	TPH	9.1		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	08/09/05	TPH	14.0		
Ethanol	ug/m3	ND	08/09/05	TPH	3.6		

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8/26/2005
Page 26 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: VW5-AB

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID : *05B32156

Sampled : 8/3/2005
CT1091

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	08/09/05	TPH	7.2		
Ethylbenzene	ug/m3	ND	08/09/05	TPH	8.7		
4-Ethyl Toluene	ug/m3	ND	08/09/05	TPH	10.0		
n-Heptane	ug/m3	ND	08/09/05	TPH	8.0		
Hexachlorobutadiene	ug/m3	ND	08/09/05	TPH	21.4		
Hexane	ug/m3	ND	08/09/05	TPH	7.2		
2-Hexanone	ug/m3	ND	08/09/05	TPH	8.0		
Isopropanol	ug/m3	ND	08/09/05	TPH	4.8		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	08/09/05	TPH	7.2		
Methylene Chloride	ug/m3	1840	08/09/05	TPH	7.0		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	08/09/05	TPH	8.0		
Propene	ug/m3	ND	08/09/05	TPH	3.6		
Styrene	ug/m3	ND	08/09/05	TPH	8.6		
1,1,2,2-Tetrachloroethane	ug/m3	ND	08/09/05	TPH	13.8		
Tetrachloroethylene	ug/m3	921.	08/09/05	TPH	14.		
Tetrahydrofuran	ug/m3	ND	08/09/05	TPH	6.0		
Toluene	ug/m3	ND	08/09/05	TPH	7.6		
1,2,4-Trichlorobenzene	ug/m3	ND	08/09/05	TPH	14.9		
1,1,1-Trichloroethane	ug/m3	ND	08/09/05	TPH	11.0		
1,1,2-Trichloroethane	ug/m3	ND	08/09/05	TPH	11.0		
Trichloroethylene	ug/m3	21.3	08/09/05	TPH	11.		
Trichlorofluoromethane	ug/m3	26.3	08/09/05	TPH	11.		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	08/09/05	TPH	15.4		
1,2,4-Trimethylbenzene	ug/m3	33.6	08/09/05	TPH	9.8		
1,3,5-Trimethylbenzene	ug/m3	10.0	08/09/05	TPH	9.8		
Vinyl Acetate	ug/m3	ND	08/09/05	TPH	7.2		
Vinyl Chloride	ug/m3	ND	08/09/05	TPH	5.2		
m/p-Xylene	ug/m3	49.7	08/09/05	TPH	8.7		
o-Xylene	ug/m3	ND	08/09/05	TPH	8.7		

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Purchase Order No.:

8/26/2005

Page 27 of 31

Project Location: SOUTH MESA

Date Received: 8/5/2005

Field Sample #: VW5-AB

LIMS-BAT #: LIMS-90833

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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8/26/2005
Page 28 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: VW7-B

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID : *05B32157

Sampled : 8/3/2005
CT1141

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	ND	08/09/05	TPH	4.8		
Benzene	ug/m3	ND	08/09/05	TPH	6.4		
Benzyl Chloride	ug/m3	ND	08/09/05	TPH	10.4		
Bromodichloromethane	ug/m3	ND	08/09/05	TPH	13.6		
Bromomethane	ug/m3	ND	08/09/05	TPH	7.8		
1,3-Butadiene	ug/m3	ND	08/09/05	TPH	4.4		
2-Butanone (MEK)	ug/m3	ND	08/09/05	TPH	6.0		
Carbon Disulfide	ug/m3	ND	08/09/05	TPH	6.4		
Carbon Tetrachloride	ug/m3	ND	08/09/05	TPH	12.4		
Chlorobenzene	ug/m3	ND	08/09/05	TPH	9.2		
Chlorodibromomethane	ug/m3	ND	08/09/05	TPH	17.2		
Chloroethane	ug/m3	ND	08/09/05	TPH	5.3		
Chloroform	ug/m3	37.4	08/09/05	TPH	9.7		
Chloromethane	ug/m3	ND	08/09/05	TPH	4.2		
Cyclohexane	ug/m3	ND	08/09/05	TPH	6.8		
1,2-Dibromoethane	ug/m3	ND	08/09/05	TPH	15.4		
1,2-Dichlorobenzene	ug/m3	ND	08/09/05	TPH	12.1		
1,3-Dichlorobenzene	ug/m3	ND	08/09/05	TPH	12.1		
1,4-Dichlorobenzene	ug/m3	ND	08/09/05	TPH	12.1		
Dichlorodifluoromethane	ug/m3	ND	08/09/05	TPH	9.9		
1,1-Dichloroethane	ug/m3	144.	08/09/05	TPH	8.1		
1,2-Dichloroethane	ug/m3	ND	08/09/05	TPH	8.1		
1,1-Dichloroethylene	ug/m3	115.	08/09/05	TPH	7.9		
cis-1,2-Dichloroethylene	ug/m3	25.2	08/09/05	TPH	7.9		
t-1,2-Dichloroethylene	ug/m3	ND	08/09/05	TPH	8.0		
1,2-Dichloropropane	ug/m3	71.9	08/09/05	TPH	9.2		
cis-1,3-Dichloropropene	ug/m3	ND	08/09/05	TPH	9.1		
trans-1,3-Dichloropropene	ug/m3	ND	08/09/05	TPH	9.1		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	08/09/05	TPH	14.0		
Ethanol	ug/m3	ND	08/09/05	TPH	3.6		

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8/26/2005
Page 29 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 8/5/2005
Field Sample #: VW7-B

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

Sample ID : *05B32157

Sampled : 8/3/2005
CT1141

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	08/09/05	TPH	7.2		
Ethylbenzene	ug/m3	ND	08/09/05	TPH	8.7		
4-Ethyl Toluene	ug/m3	ND	08/09/05	TPH	10.0		
n-Heptane	ug/m3	ND	08/09/05	TPH	8.0		
Hexachlorobutadiene	ug/m3	ND	08/09/05	TPH	21.4		
Hexane	ug/m3	ND	08/09/05	TPH	7.2		
2-Hexanone	ug/m3	ND	08/09/05	TPH	8.0		
Isopropanol	ug/m3	ND	08/09/05	TPH	4.8		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	08/09/05	TPH	7.2		
Methylene Chloride	ug/m3	ND	08/09/05	TPH	7.0		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	08/09/05	TPH	8.0		
Propene	ug/m3	ND	08/09/05	TPH	3.6		
Styrene	ug/m3	ND	08/09/05	TPH	8.6		
1,1,2,2-Tetrachloroethane	ug/m3	ND	08/09/05	TPH	13.8		
Tetrachloroethylene	ug/m3	6440	08/09/05	TPH	14.		
Tetrahydrofuran	ug/m3	ND	08/09/05	TPH	6.0		
Toluene	ug/m3	ND	08/09/05	TPH	7.6		
1,2,4-Trichlorobenzene	ug/m3	ND	08/09/05	TPH	14.9		
1,1,1-Trichloroethane	ug/m3	ND	08/09/05	TPH	11.0		
1,1,2-Trichloroethane	ug/m3	ND	08/09/05	TPH	11.0		
Trichloroethylene	ug/m3	18.5	08/09/05	TPH	11.		
Trichlorofluoromethane	ug/m3	30.8	08/09/05	TPH	11.		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	08/09/05	TPH	15.4		
1,2,4-Trimethylbenzene	ug/m3	ND	08/09/05	TPH	9.9		
1,3,5-Trimethylbenzene	ug/m3	ND	08/09/05	TPH	9.9		
Vinyl Acetate	ug/m3	ND	08/09/05	TPH	7.2		
Vinyl Chloride	ug/m3	ND	08/09/05	TPH	5.2		
m/p-Xylene	ug/m3	ND	08/09/05	TPH	8.7		
o-Xylene	ug/m3	ND	08/09/05	TPH	8.7		

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8/26/2005

Page 30 of 31

Purchase Order No.:

Project Location: SOUTH MESA

Date Received: 8/5/2005

LIMS-BAT #: LIMS-90833

Job Number: 4972-04-2034

Field Sample #: VW7-B

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Purchase Order No.:

8/26/2005
Page 31 of 31

Project Location: SOUTH MESA
Date Received: 8/5/2005

LIMS-BAT #: LIMS-90833
Job Number: 4972-04-2034

The following notes were attached to the reported analysis :

Sample ID: * 05B32153
Analysis: to-15 ug/m3

ELEVATED DETECTION LIMIT DUE TO HIGH CONCENTRATION OF AN INTERFERING ANALYTE.

Sample ID: * 05B32156
Analysis: to-15 ug/m3

ELEVATED DETECTION LIMIT DUE TO HIGH CONCENTRATION OF AN INTERFERING ANALYTE.

Sample ID: * 05B32157
Analysis: to-15 ug/m3

ELEVATED DETECTION LIMIT DUE TO HIGH CONCENTRATION OF AN INTERFERING ANALYTE.

** END OF REPORT **

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 8/26/2005

Lims Bat #: LIMS-90833

Page 1 of 9

QC Batch Number: BATCH-9552

Sample Id	Analysis	QC Analysis	Values	Units	Limits
05B32153	4-Bromofluorobenzene	Surrogate Recovery	93.9	%	70-130
05B32154	4-Bromofluorobenzene	Surrogate Recovery	93.4	%	70-130
05B32155	4-Bromofluorobenzene	Surrogate Recovery	95.0	%	70-130
05B32156	Chloroform	Sample Amount	27.3	ug/m3	
		Duplicate Value	25.3	ug/m3	
		Duplicate RPD	7.4	%	
	Tetrachloroethylene	Sample Amount	921.2	ug/m3	
		Duplicate Value	889.4	ug/m3	
		Duplicate RPD	3.5	%	
	Trichloroethylene	Sample Amount	21.3	ug/m3	
		Duplicate Value	20.6	ug/m3	
		Duplicate RPD	3.1	%	
	Trichlorofluoromethane	Sample Amount	26.3	ug/m3	
		Duplicate Value	20.9	ug/m3	
		Duplicate RPD	22.9	%	
	m/p-Xylene	Sample Amount	49.7	ug/m3	
		Duplicate Value	48.1	ug/m3	
		Duplicate RPD	3.2	%	
	Methylene Chloride	Sample Amount	1839.0	ug/m3	
		Duplicate Value	1601.5	ug/m3	
		Duplicate RPD	13.8	%	
	1,2,4-Trimethylbenzene	Sample Amount	33.6	ug/m3	
		Duplicate Value	33.4	ug/m3	
		Duplicate RPD	0.6	%	
	1,3,5-Trimethylbenzene	Sample Amount	10.0	ug/m3	
		Duplicate Value	<9.9	ug/m3	
		Duplicate RPD	>1.9	%	
	cis-1,2-Dichloroethylene	Sample Amount	140.8	ug/m3	
		Duplicate Value	48.7	ug/m3	
		Duplicate RPD	97.2	%	
05B32157	4-Bromofluorobenzene	Surrogate Recovery	94.8	%	70-130
	4-Bromofluorobenzene	Surrogate Recovery	89.4	%	70-130
BLANK-77310	Acetone	Blank	<1.2	ug/m3	
	Benzene	Blank	<1.6	ug/m3	
	Carbon Tetrachloride	Blank	<3.1	ug/m3	
	Chloroform	Blank	<2.5	ug/m3	
	1,2-Dichloroethane	Blank	<2.1	ug/m3	
	1,4-Dichlorobenzene	Blank	<3.1	ug/m3	



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 8/26/2005

Lims Bat #: LIMS-90833

Page 2 of 9

QC Batch Number: BATCH-9552

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-77310					
	Ethyl Acetate	Blank	<1.8	ug/m3	
	Ethylbenzene	Blank	<2.2	ug/m3	
	Hexane	Blank	<1.8	ug/m3	
	Isopropanol	Blank	<1.2	ug/m3	
	2-Butanone (MEK)	Blank	<1.5	ug/m3	
	4-Methyl-2-Pentanone (MIBK)	Blank	<2.0	ug/m3	
	Styrene	Blank	<2.2	ug/m3	
	Tetrachloroethylene	Blank	<3.4	ug/m3	
	Toluene	Blank	<1.9	ug/m3	
	1,1,1-Trichloroethane	Blank	<2.8	ug/m3	
	Trichloroethylene	Blank	<2.7	ug/m3	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<3.9	ug/m3	
	Trichlorofluoromethane	Blank	<2.9	ug/m3	
	o-Xylene	Blank	<2.2	ug/m3	
	m/p-Xylene	Blank	<2.2	ug/m3	
	1,2-Dichlorobenzene	Blank	<3.1	ug/m3	
	1,3-Dichlorobenzene	Blank	<3.1	ug/m3	
	1,1-Dichloroethane	Blank	<2.1	ug/m3	
	1,1-Dichloroethylene	Blank	<2.0	ug/m3	
	Ethanol	Blank	<0.9	ug/m3	
	4-Ethyl Toluene	Blank	<2.5	ug/m3	
	Methyl tert-Butyl Ether (MTBE)	Blank	<1.8	ug/m3	
	t-1,2-Dichloroethylene	Blank	<2.0	ug/m3	
	Vinyl Chloride	Blank	<1.3	ug/m3	
	Methylene Chloride	Blank	<1.8	ug/m3	
	Chlorobenzene	Blank	<2.3	ug/m3	
	Chloromethane	Blank	<1.1	ug/m3	
	Bromomethane	Blank	<2.0	ug/m3	
	Chloroethane	Blank	<1.4	ug/m3	
	cis-1,3-Dichloropropene	Blank	<2.3	ug/m3	
	trans-1,3-Dichloropropene	Blank	<2.3	ug/m3	
	Chlorodibromomethane	Blank	<4.3	ug/m3	
	1,1,2-Trichloroethane	Blank	<2.8	ug/m3	
	1,1,2,2-Tetrachloroethane	Blank	<3.5	ug/m3	
	Hexachlorobutadiene	Blank	<5.4	ug/m3	
	1,2,4-Trichlorobenzene	Blank	<3.8	ug/m3	
	1,2,4-Trimethylbenzene	Blank	<2.5	ug/m3	
	1,3,5-Trimethylbenzene	Blank	<2.5	ug/m3	
	Cyclohexane	Blank	<1.7	ug/m3	
	cis-1,2-Dichloroethylene	Blank	<2.0	ug/m3	
	1,2-Dichloropropane	Blank	<2.4	ug/m3	
	Dichlorodifluoromethane	Blank	<2.5	ug/m3	
	Benzyl Chloride	Blank	<2.6	ug/m3	



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 8/26/2005

Lims Bat #: LIMS-90833

Page 3 of 9

QC Batch Number: BATCH-9552

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-77310	Carbon Disulfide	Blank	<1.6	ug/m3	
	Vinyl Acetate	Blank	<1.8	ug/m3	
	2-Hexanone	Blank	<2.0	ug/m3	
	Bromodichloromethane	Blank	<3.4	ug/m3	
	1,2-Dibromoethane	Blank	<3.9	ug/m3	
	n-Heptane	Blank	<2.0	ug/m3	
	1,2-Dichlorotetrafluoroethane (114)	Blank	<3.5	ug/m3	
	Tetrahydrofuran	Blank	<1.5	ug/m3	
	Propene	Blank	<0.9	ug/m3	
	1,3-Butadiene	Blank	<1.1	ug/m3	
LFBLANK-43914	Acetone	Lab Fort Blank Amt.	23.8	ug/m3	
		Lab Fort Blk. Found	23.2	ug/m3	
		Lab Fort Blk. % Rec.	97.8	%	50-150
	Benzene	Lab Fort Blank Amt.	31.9	ug/m3	
		Lab Fort Blk. Found	30.0	ug/m3	
		Lab Fort Blk. % Rec.	93.9	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	62.9	ug/m3	
		Lab Fort Blk. Found	58.5	ug/m3	
		Lab Fort Blk. % Rec.	93.0	%	70-130
	Chloroform	Lab Fort Blank Amt.	48.7	ug/m3	
		Lab Fort Blk. Found	44.7	ug/m3	
		Lab Fort Blk. % Rec.	91.9	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	40.5	ug/m3	
		Lab Fort Blk. Found	37.9	ug/m3	
		Lab Fort Blk. % Rec.	93.7	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	60.1	ug/m3	
		Lab Fort Blk. Found	60.7	ug/m3	
		Lab Fort Blk. % Rec.	101.0	%	70-130
	Ethyl Acetate	Lab Fort Blank Amt.	36.0	ug/m3	
		Lab Fort Blk. Found	35.6	ug/m3	
		Lab Fort Blk. % Rec.	98.8	%	50-150
	Ethylbenzene	Lab Fort Blank Amt.	43.4	ug/m3	
		Lab Fort Blk. Found	44.7	ug/m3	
		Lab Fort Blk. % Rec.	103.0	%	70-130
	Hexane	Lab Fort Blank Amt.	35.2	ug/m3	
		Lab Fort Blk. Found	33.4	ug/m3	
		Lab Fort Blk. % Rec.	94.7	%	70-130
	Isopropanol	Lab Fort Blank Amt.	24.6	ug/m3	
		Lab Fort Blk. Found	25.8	ug/m3	
		Lab Fort Blk. % Rec.	105.1	%	50-150
	2-Butanone (MEK)	Lab Fort Blank Amt.	29.5	ug/m3	
		Lab Fort Blk. Found	28.3	ug/m3	



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 8/26/2005

Lims Bat #: LIMS-90833

Page 4 of 9

QC Batch Number: BATCH-9552

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-43914					
	2-Butanone (MEK)	Lab Fort Blk. % Rec.	96.1	%	70-130
	4-Methyl-2-Pentanone (MIBK)	Lab Fort Blank Amt.	41.0	ug/m3	
		Lab Fort Blk. Found	38.3	ug/m3	
		Lab Fort Blk. % Rec.	93.6	%	70-130
	Styrene	Lab Fort Blank Amt.	42.5	ug/m3	
		Lab Fort Blk. Found	42.5	ug/m3	
		Lab Fort Blk. % Rec.	99.8	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	67.8	ug/m3	
		Lab Fort Blk. Found	65.8	ug/m3	
		Lab Fort Blk. % Rec.	97.0	%	70-130
	Toluene	Lab Fort Blank Amt.	37.6	ug/m3	
		Lab Fort Blk. Found	36.6	ug/m3	
		Lab Fort Blk. % Rec.	97.3	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	54.6	ug/m3	
		Lab Fort Blk. Found	50.4	ug/m3	
		Lab Fort Blk. % Rec.	92.4	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	53.7	ug/m3	
		Lab Fort Blk. Found	51.4	ug/m3	
		Lab Fort Blk. % Rec.	95.7	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	76.6	ug/m3	
		Lab Fort Blk. Found	69.3	ug/m3	
		Lab Fort Blk. % Rec.	90.4	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	56.2	ug/m3	
		Lab Fort Blk. Found	50.9	ug/m3	
		Lab Fort Blk. % Rec.	90.5	%	70-130
	o-Xylene	Lab Fort Blank Amt.	43.4	ug/m3	
		Lab Fort Blk. Found	45.4	ug/m3	
		Lab Fort Blk. % Rec.	104.5	%	70-130
	m/p-Xylene	Lab Fort Blank Amt.	86.9	ug/m3	
		Lab Fort Blk. Found	89.9	ug/m3	
		Lab Fort Blk. % Rec.	103.4	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	60.1	ug/m3	
		Lab Fort Blk. Found	72.7	ug/m3	
		Lab Fort Blk. % Rec.	120.9	%	70-130
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	60.1	ug/m3	
		Lab Fort Blk. Found	63.1	ug/m3	
		Lab Fort Blk. % Rec.	105.0	%	70-130
	1,1-Dichloroethane	Lab Fort Blank Amt.	40.5	ug/m3	
		Lab Fort Blk. Found	38.1	ug/m3	
		Lab Fort Blk. % Rec.	94.2	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	39.7	ug/m3	
		Lab Fort Blk. Found	36.2	ug/m3	
		Lab Fort Blk. % Rec.	91.2	%	70-130



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

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Method Blanks

Report Date: 8/26/2005

Lims Bat #: LIMS-90833

Page 5 of 9

QC Batch Number: BATCH-9552

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-43914	Ethanol	Lab Fort Blank Amt.	18.8	ug/m3	
		Lab Fort Blk. Found	16.4	ug/m3	
		Lab Fort Blk. % Rec.	87.2	%	50-150
	4-Ethyl Toluene	Lab Fort Blank Amt.	49.2	ug/m3	
		Lab Fort Blk. Found	53.4	ug/m3	
		Lab Fort Blk. % Rec.	108.7	%	50-150
	Methyl tert-Butyl Ether (MTBE)	Lab Fort Blank Amt.	36.1	ug/m3	
		Lab Fort Blk. Found	34.9	ug/m3	
		Lab Fort Blk. % Rec.	96.9	%	70-130
	t-1,2-Dichloroethylene	Lab Fort Blank Amt.	39.6	ug/m3	
		Lab Fort Blk. Found	37.4	ug/m3	
		Lab Fort Blk. % Rec.	94.4	%	70-130
	Vinyl Chloride	Lab Fort Blank Amt.	25.6	ug/m3	
		Lab Fort Blk. Found	26.1	ug/m3	
		Lab Fort Blk. % Rec.	102.0	%	70-130
	Methylene Chloride	Lab Fort Blank Amt.	34.7	ug/m3	
		Lab Fort Blk. Found	32.0	ug/m3	
		Lab Fort Blk. % Rec.	92.1	%	70-130
	Chlorobenzene	Lab Fort Blank Amt.	46.1	ug/m3	
		Lab Fort Blk. Found	45.1	ug/m3	
		Lab Fort Blk. % Rec.	97.9	%	70-130
	Chloromethane	Lab Fort Blank Amt.	20.7	ug/m3	
		Lab Fort Blk. Found	21.3	ug/m3	
		Lab Fort Blk. % Rec.	103.0	%	70-130
	Bromomethane	Lab Fort Blank Amt.	38.8	ug/m3	
		Lab Fort Blk. Found	38.4	ug/m3	
		Lab Fort Blk. % Rec.	99.0	%	70-130
	Chloroethane	Lab Fort Blank Amt.	26.4	ug/m3	
		Lab Fort Blk. Found	26.5	ug/m3	
		Lab Fort Blk. % Rec.	100.6	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	45.4	ug/m3	
		Lab Fort Blk. Found	43.2	ug/m3	
		Lab Fort Blk. % Rec.	95.2	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	45.4	ug/m3	
		Lab Fort Blk. Found	44.4	ug/m3	
		Lab Fort Blk. % Rec.	97.9	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	85.2	ug/m3	
		Lab Fort Blk. Found	84.3	ug/m3	
		Lab Fort Blk. % Rec.	98.9	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	54.6	ug/m3	
		Lab Fort Blk. Found	51.1	ug/m3	
		Lab Fort Blk. % Rec.	93.6	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	68.7	ug/m3	



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 8/26/2005

Lims Bat #: LIMS-90833

Page 8 of 9

NOTES:

QC Batch No. : BATCH-9552

Sample ID : LFBLANK-43914

Analysis : 1,2,4-Trichlorobenzene

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.

QC Batch No. : BATCH-9552

Sample ID : LFBLANK-43914

Analysis : Hexachlorobutadiene

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date:

8/26/2005

Lims Bat #: LIMS-90833

Page 9 of 9

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken through all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries



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ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

REPORT DATE 9/21/2005

MACTEC ENGINEERING & CONSULTING - AZ
3630 EAST WIER AVENUE
PHOENIX, AZ 85040
ATTN: JIM CLARKE

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-91746

JOB NUMBER: -

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: SOUTH MESA

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST
*EFF	05B36847	AIR	CT1077	to-15 ppbv
*EFF	05B36847	AIR	CT1077	to-15 ug/m3
*INF	05B36849	AIR	CT1083	to-15 ppbv
*INF	05B36849	AIR	CT1083	to-15 ug/m3
*INT	05B36848	AIR	CT1081	to-15 ppbv
*INT	05B36848	AIR	CT1081	to-15 ug/m3
*VW-5AB	05B36850	AIR	CT1135	to-15 ppbv
*VW-5AB	05B36850	AIR	CT1135	to-15 ug/m3
*VW-7B	05B36851	AIR	CT11405	to-15 ppbv
*VW-7B	05B36851	AIR	CT11405	to-15 ug/m3

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

AIHA 100033	AIHA ELLAP (LEAD) 100033	
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	ARIZONA AZ0648
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	ARIZONA AZ0654 (AIR)

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Edward Denson 9/21/05
SIGNATURE DATE

Tod Kopyscinski
Director of Operations

Sondra S. Kocot
Quality Control Coordinator

Edward Denson
Technical Director

* See end of data tabulation for notes and comments pertaining to this sample



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JIM CLARKE
MACTEC ENGINEERING & CONSULTING - AZ
3630 EAST WIER AVENUE
PHOENIX, AZ 85040

Purchase Order No.:

9/21/2005
Page 1 of 31

Project Location: SOUTH MESA

LIMS-BAT #: LIMS-91746

Date Received: 9/14/2005

Job Number: -

Field Sample #: EFF

Sample ID : *05B36847

Sampled : 9/13/2005
CT1077

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	PPBv	ND	09/19/05	WSD	10.		
Benzene	PPBv	ND	09/19/05	WSD	10.		
Benzyl Chloride	PPBv	ND	09/19/05	WSD	10.		
Bromodichloromethane	PPBv	ND	09/19/05	WSD	10.		
Bromomethane	PPBv	ND	09/19/05	WSD	10.		
1,3-Butadiene	PPBv	ND	09/19/05	WSD	10.		
2-Butanone (MEK)	PPBv	ND	09/19/05	WSD	10.		
Carbon Disulfide	PPBv	ND	09/19/05	WSD	10.		
Carbon Tetrachloride	PPBv	ND	09/19/05	WSD	10.		
Chlorobenzene	PPBv	ND	09/19/05	WSD	10.		
Chlorodibromomethane	PPBv	ND	09/19/05	WSD	10.		
Chloroethane	PPBv	ND	09/19/05	WSD	10.		
Chloroform	PPBv	ND	09/19/05	WSD	10.		
Chloromethane	PPBv	ND	09/19/05	WSD	10.		
Cyclohexane	PPBv	ND	09/19/05	WSD	10.		
1,2-Dibromoethane	PPBv	ND	09/19/05	WSD	10.		
1,2-Dichlorobenzene	PPBv	ND	09/19/05	WSD	10.		
1,3-Dichlorobenzene	PPBv	ND	09/19/05	WSD	10.		
1,4-Dichlorobenzene	PPBv	ND	09/19/05	WSD	10.		
Dichlorodifluoromethane	PPBv	ND	09/19/05	WSD	10.		
1,1-Dichloroethane	PPBv	ND	09/19/05	WSD	10.		
1,2-Dichloroethane	PPBv	ND	09/19/05	WSD	10.		
1,1-Dichloroethylene	PPBv	ND	09/19/05	WSD	10.		
cis-1,2-Dichloroethylene	PPBv	ND	09/19/05	WSD	10.		
t-1,2-Dichloroethylene	PPBv	ND	09/19/05	WSD	10.		
1,2-Dichloropropane	PPBv	ND	09/19/05	WSD	10.		
cis-1,3-Dichloropropene	PPBv	ND	09/19/05	WSD	10.		
trans-1,3-Dichloropropene	PPBv	ND	09/19/05	WSD	10.		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	09/19/05	WSD	10.		
Ethanol	PPBv	ND	09/19/05	WSD	10.		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



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JIM CLARKE
MACTEC ENGINEERING & CONSULTING - AZ
3630 EAST WIER AVENUE
PHOENIX, AZ 85040

9/21/2005
Page 2 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 9/14/2005
Field Sample #: EFF

LIMS-BAT #: LIMS-91746
Job Number: -

Sample ID : *05B36847

Sampled : 9/13/2005
CT1077

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Ethyl Acetate	PPBv	ND	09/19/05	WSD	10.			
Ethylbenzene	PPBv	ND	09/19/05	WSD	10.			
4-Ethyl Toluene	PPBv	ND	09/19/05	WSD	10.			
n-Heptane	PPBv	ND	09/19/05	WSD	10.			
Hexachlorobutadiene	PPBv	ND	09/19/05	WSD	10.			
Hexane	PPBv	ND	09/19/05	WSD	10.			
2-Hexanone	PPBv	ND	09/19/05	WSD	10.			
Isopropanol	PPBv	ND	09/19/05	WSD	10.			
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	09/19/05	WSD	10.			
Methylene Chloride	PPBv	20.	09/19/05	WSD	10.			
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	09/19/05	WSD	10.			
Propene	PPBv	ND	09/19/05	WSD	10.			
Styrene	PPBv	ND	09/19/05	WSD	10.			
1,1,2,2-Tetrachloroethane	PPBv	ND	09/19/05	WSD	10.			
Tetrachloroethylene	PPBv	ND	09/19/05	WSD	10.			
Tetrahydrofuran	PPBv	ND	09/19/05	WSD	10.			
Toluene	PPBv	ND	09/19/05	WSD	10.			
1,2,4-Trichlorobenzene	PPBv	ND	09/19/05	WSD	10.			
1,1,1-Trichloroethane	PPBv	ND	09/19/05	WSD	10.			
1,1,2-Trichloroethane	PPBv	ND	09/19/05	WSD	10.			
Trichloroethylene	PPBv	ND	09/19/05	WSD	10.			
Trichlorofluoromethane (Freon 11)	PPBv	ND	09/19/05	WSD	10.			
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	09/19/05	WSD	10.			
1,2,4-Trimethylbenzene	PPBv	ND	09/19/05	WSD	10.			
1,3,5-Trimethylbenzene	PPBv	ND	09/19/05	WSD	10.			
Vinyl Acetate	PPBv	ND	09/19/05	WSD	10.			
Vinyl Chloride	PPBv	ND	09/19/05	WSD	10.			
m/p-Xylene	PPBv	ND	09/19/05	WSD	20.			
o-Xylene	PPBv	ND	09/19/05	WSD	10.			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

JIM CLARKE

MACTEC ENGINEERING & CONSULTING - AZ

3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Purchase Order No.:

9/21/2005

Page 3 of 31

Project Location: SOUTH MESA

Date Received: 9/14/2005

Field Sample #: EFF

LIMS-BAT #: LIMS-91746

Job Number: -

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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PHOENIX, AZ 85040

9/21/2005
Page 4 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 9/14/2005
Field Sample #: INF

LIMS-BAT #: LIMS-91746
Job Number: -

Sample ID : *05B36849

Sampled : 9/13/2005
CT1083

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	PPBv	ND	09/19/05	WSD	10.		
Benzene	PPBv	ND	09/19/05	WSD	10.		
Benzyl Chloride	PPBv	ND	09/19/05	WSD	10.		
Bromodichloromethane	PPBv	ND	09/19/05	WSD	10.		
Bromomethane	PPBv	ND	09/19/05	WSD	10.		
1,3-Butadiene	PPBv	ND	09/19/05	WSD	10.		
2-Butanone (MEK)	PPBv	ND	09/19/05	WSD	10.		
Carbon Disulfide	PPBv	ND	09/19/05	WSD	10.		
Carbon Tetrachloride	PPBv	ND	09/19/05	WSD	10.		
Chlorobenzene	PPBv	ND	09/19/05	WSD	10.		
Chlorodibromomethane	PPBv	ND	09/19/05	WSD	10.		
Chloroethane	PPBv	ND	09/19/05	WSD	10.		
Chloroform	PPBv	ND	09/19/05	WSD	10.		
Chloromethane	PPBv	ND	09/19/05	WSD	10.		
Cyclohexane	PPBv	ND	09/19/05	WSD	10.		
1,2-Dibromoethane	PPBv	ND	09/19/05	WSD	10.		
1,2-Dichlorobenzene	PPBv	ND	09/19/05	WSD	10.		
1,3-Dichlorobenzene	PPBv	ND	09/19/05	WSD	10.		
1,4-Dichlorobenzene	PPBv	ND	09/19/05	WSD	10.		
Dichlorodifluoromethane	PPBv	ND	09/19/05	WSD	10.		
1,1-Dichloroethane	PPBv	ND	09/19/05	WSD	10.		
1,2-Dichloroethane	PPBv	ND	09/19/05	WSD	10.		
1,1-Dichloroethylene	PPBv	ND	09/19/05	WSD	10.		
cis-1,2-Dichloroethylene	PPBv	ND	09/19/05	WSD	10.		
t-1,2-Dichloroethylene	PPBv	ND	09/19/05	WSD	10.		
1,2-Dichloropropane	PPBv	ND	09/19/05	WSD	10.		
cis-1,3-Dichloropropene	PPBv	ND	09/19/05	WSD	10.		
trans-1,3-Dichloropropene	PPBv	ND	09/19/05	WSD	10.		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	09/19/05	WSD	10.		
Ethanol	PPBv	ND	09/19/05	WSD	10.		

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Purchase Order No.:

9/21/2005

Page 5 of 31

Project Location: SOUTH MESA

LIMS-BAT #: LIMS-91746

Date Received: 9/14/2005

Job Number: -

Field Sample #: INF

Sample ID: *05B36849

Sampled: 9/13/2005

CT1083

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Ethyl Acetate	PPBv	ND	09/19/05	WSD	10.			
Ethylbenzene	PPBv	ND	09/19/05	WSD	10.			
4-Ethyl Toluene	PPBv	ND	09/19/05	WSD	10.			
n-Heptane	PPBv	ND	09/19/05	WSD	10.			
Hexachlorobutadiene	PPBv	ND	09/19/05	WSD	10.			
Hexane	PPBv	ND	09/19/05	WSD	10.			
2-Hexanone	PPBv	ND	09/19/05	WSD	10.			
Isopropanol	PPBv	ND	09/19/05	WSD	10.			
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	09/19/05	WSD	10.			
Methylene Chloride	PPBv	ND	09/19/05	WSD	10.			
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	09/19/05	WSD	10.			
Propene	PPBv	ND	09/19/05	WSD	10.			
Styrene	PPBv	ND	09/19/05	WSD	10.			
1,1,2,2-Tetrachloroethane	PPBv	ND	09/19/05	WSD	10.			
Tetrachloroethylene	PPBv	230	09/19/05	WSD	10.			
Tetrahydrofuran	PPBv	ND	09/19/05	WSD	10.			
Toluene	PPBv	ND	09/19/05	WSD	10.			
1,2,4-Trichlorobenzene	PPBv	ND	09/19/05	WSD	10.			
1,1,1-Trichloroethane	PPBv	ND	09/19/05	WSD	10.			
1,1,2-Trichloroethane	PPBv	ND	09/19/05	WSD	10.			
Trichloroethylene	PPBv	ND	09/19/05	WSD	10.			
Trichlorofluoromethane (Freon 11)	PPBv	ND	09/19/05	WSD	10.			
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	09/19/05	WSD	10.			
1,2,4-Trimethylbenzene	PPBv	ND	09/19/05	WSD	10.			
1,3,5-Trimethylbenzene	PPBv	ND	09/19/05	WSD	10.			
Vinyl Acetate	PPBv	ND	09/19/05	WSD	10.			
Vinyl Chloride	PPBv	ND	09/19/05	WSD	10.			
m/p-Xylene	PPBv	ND	09/19/05	WSD	20.			
o-Xylene	PPBv	ND	09/19/05	WSD	10.			

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Purchase Order No.:

9/21/2005

Page 6 of 31

Project Location: SOUTH MESA

Date Received: 9/14/2005

Field Sample #: INF

LIMS-BAT #: LIMS-91746

Job Number: -

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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9/21/2005
Page 7 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 9/14/2005
Field Sample #: INT

LIMS-BAT #: LIMS-91746
Job Number: -

Sample ID : *05B36848

Sampled : 9/13/2005
CT1081

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	PPBv	ND	09/19/05	WSD	10.			
Benzene	PPBv	ND	09/19/05	WSD	10.			
Benzyl Chloride	PPBv	ND	09/19/05	WSD	10.			
Bromodichloromethane	PPBv	ND	09/19/05	WSD	10.			
Bromomethane	PPBv	ND	09/19/05	WSD	10.			
1,3-Butadiene	PPBv	ND	09/19/05	WSD	10.			
2-Butanone (MEK)	PPBv	ND	09/19/05	WSD	10.			
Carbon Disulfide	PPBv	ND	09/19/05	WSD	10.			
Carbon Tetrachloride	PPBv	ND	09/19/05	WSD	10.			
Chlorobenzene	PPBv	ND	09/19/05	WSD	10.			
Chlorodibromomethane	PPBv	ND	09/19/05	WSD	10.			
Chloroethane	PPBv	ND	09/19/05	WSD	10.			
Chloroform	PPBv	ND	09/19/05	WSD	10.			
Chloromethane	PPBv	ND	09/19/05	WSD	10.			
Cyclohexane	PPBv	ND	09/19/05	WSD	10.			
1,2-Dibromoethane	PPBv	ND	09/19/05	WSD	10.			
1,2-Dichlorobenzene	PPBv	ND	09/19/05	WSD	10.			
1,3-Dichlorobenzene	PPBv	ND	09/19/05	WSD	10.			
1,4-Dichlorobenzene	PPBv	ND	09/19/05	WSD	10.			
Dichlorodifluoromethane	PPBv	ND	09/19/05	WSD	10.			
1,1-Dichloroethane	PPBv	ND	09/19/05	WSD	10.			
1,2-Dichloroethane	PPBv	ND	09/19/05	WSD	10.			
1,1-Dichloroethylene	PPBv	ND	09/19/05	WSD	10.			
cis-1,2-Dichloroethylene	PPBv	ND	09/19/05	WSD	10.			
t-1,2-Dichloroethylene	PPBv	ND	09/19/05	WSD	10.			
1,2-Dichloropropane	PPBv	ND	09/19/05	WSD	10.			
cis-1,3-Dichloropropene	PPBv	ND	09/19/05	WSD	10.			
trans-1,3-Dichloropropene	PPBv	ND	09/19/05	WSD	10.			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	09/19/05	WSD	10.			
Ethanol	PPBv	ND	09/19/05	WSD	10.			

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9/21/2005
Page 8 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 9/14/2005
Field Sample #: INT

LIMS-BAT #: LIMS-91746
Job Number: -

Sample ID : *05B36848

Sampled : 9/13/2005
CT1081

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Ethyl Acetate	PPBv	ND	09/19/05	WSD	10.			
Ethylbenzene	PPBv	ND	09/19/05	WSD	10.			
4-Ethyl Toluene	PPBv	ND	09/19/05	WSD	10.			
n-Heptane	PPBv	ND	09/19/05	WSD	10.			
Hexachlorobutadiene	PPBv	ND	09/19/05	WSD	10.			
Hexane	PPBv	ND	09/19/05	WSD	10.			
2-Hexanone	PPBv	ND	09/19/05	WSD	10.			
Isopropanol	PPBv	ND	09/19/05	WSD	10.			
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	09/19/05	WSD	10.			
Methylene Chloride	PPBv	ND	09/19/05	WSD	10.			
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	09/19/05	WSD	10.			
Propene	PPBv	ND	09/19/05	WSD	10.			
Styrene	PPBv	ND	09/19/05	WSD	10.			
1,1,2,2-Tetrachloroethane	PPBv	ND	09/19/05	WSD	10.			
Tetrachloroethylene	PPBv	140	09/19/05	WSD	10.			
Tetrahydrofuran	PPBv	ND	09/19/05	WSD	10.			
Toluene	PPBv	ND	09/19/05	WSD	10.			
1,2,4-Trichlorobenzene	PPBv	ND	09/19/05	WSD	10.			
1,1,1-Trichloroethane	PPBv	ND	09/19/05	WSD	10.			
1,1,2-Trichloroethane	PPBv	ND	09/19/05	WSD	10.			
Trichloroethylene	PPBv	ND	09/19/05	WSD	10.			
Trichlorofluoromethane (Freon 11)	PPBv	ND	09/19/05	WSD	10.			
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	09/19/05	WSD	10.			
1,2,4-Trimethylbenzene	PPBv	ND	09/19/05	WSD	10.			
1,3,5-Trimethylbenzene	PPBv	ND	09/19/05	WSD	10.			
Vinyl Acetate	PPBv	ND	09/19/05	WSD	10.			
Vinyl Chloride	PPBv	ND	09/19/05	WSD	10.			
m/p-Xylene	PPBv	ND	09/19/05	WSD	20.			
o-Xylene	PPBv	ND	09/19/05	WSD	10.			

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9/21/2005
Page 9 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 9/14/2005
Field Sample #: INT

LIMS-BAT #: LIMS-91746
Job Number: -

Analytical Method:
EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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9/21/2005
Page 10 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 9/14/2005
Field Sample #: VW-5AB

LIMS-BAT #: LIMS-91746
Job Number: -

Sample ID : *05B36850

Sampled : 9/13/2005
CT1135

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Acetone	PPBv	ND	09/19/05	WSD	10.		
Benzene	PPBv	ND	09/19/05	WSD	10.		
Benzyl Chloride	PPBv	ND	09/19/05	WSD	10.		
Bromodichloromethane	PPBv	ND	09/19/05	WSD	10.		
Bromomethane	PPBv	ND	09/19/05	WSD	10.		
1,3-Butadiene	PPBv	ND	09/19/05	WSD	10.		
2-Butanone (MEK)	PPBv	ND	09/19/05	WSD	10.		
Carbon Disulfide	PPBv	ND	09/19/05	WSD	10.		
Carbon Tetrachloride	PPBv	ND	09/19/05	WSD	10.		
Chlorobenzene	PPBv	ND	09/19/05	WSD	10.		
Chlorodibromomethane	PPBv	ND	09/19/05	WSD	10.		
Chloroethane	PPBv	ND	09/19/05	WSD	10.		
Chloroform	PPBv	13.	09/19/05	WSD	10.		
Chloromethane	PPBv	ND	09/19/05	WSD	10.		
Cyclohexane	PPBv	ND	09/19/05	WSD	10.		
1,2-Dibromoethane	PPBv	ND	09/19/05	WSD	10.		
1,2-Dichlorobenzene	PPBv	ND	09/19/05	WSD	10.		
1,3-Dichlorobenzene	PPBv	ND	09/19/05	WSD	10.		
1,4-Dichlorobenzene	PPBv	ND	09/19/05	WSD	10.		
Dichlorodifluoromethane	PPBv	ND	09/19/05	WSD	10.		
1,1-Dichloroethane	PPBv	ND	09/19/05	WSD	10.		
1,2-Dichloroethane	PPBv	ND	09/19/05	WSD	10.		
1,1-Dichloroethylene	PPBv	ND	09/19/05	WSD	10.		
cis-1,2-Dichloroethylene	PPBv	34.	09/19/05	WSD	10.		
t-1,2-Dichloroethylene	PPBv	ND	09/19/05	WSD	10.		
1,2-Dichloropropane	PPBv	ND	09/19/05	WSD	10.		
cis-1,3-Dichloropropene	PPBv	ND	09/19/05	WSD	10.		
trans-1,3-Dichloropropene	PPBv	ND	09/19/05	WSD	10.		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	09/19/05	WSD	10.		
Ethanol	PPBv	ND	09/19/05	WSD	10.		

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9/21/2005
Page 11 of 31

Purchase Order No.:

Project Location: SOUTH MESA

LIMS-BAT #: LIMS-91746

Date Received: 9/14/2005

Job Number: -

Field Sample #: VW-5AB

Sample ID: *05B36850

Sampled: 9/13/2005

CT1135

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Ethyl Acetate	PPBv	ND	09/19/05	WSD	10.			
Ethylbenzene	PPBv	ND	09/19/05	WSD	10.			
4-Ethyl Toluene	PPBv	ND	09/19/05	WSD	10.			
n-Heptane	PPBv	ND	09/19/05	WSD	10.			
Hexachlorobutadiene	PPBv	ND	09/19/05	WSD	10.			
Hexane	PPBv	ND	09/19/05	WSD	10.			
2-Hexanone	PPBv	ND	09/19/05	WSD	10.			
Isopropanol	PPBv	ND	09/19/05	WSD	10.			
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	09/19/05	WSD	10.			
Methylene Chloride	PPBv	ND	09/19/05	WSD	10.			
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	09/19/05	WSD	10.			
Propene	PPBv	ND	09/19/05	WSD	10.			
Styrene	PPBv	ND	09/19/05	WSD	10.			
1,1,2,2-Tetrachloroethane	PPBv	ND	09/19/05	WSD	10.			
Tetrachloroethylene	PPBv	110	09/19/05	WSD	10.			
Tetrahydrofuran	PPBv	ND	09/19/05	WSD	10.			
Toluene	PPBv	ND	09/19/05	WSD	10.			
1,2,4-Trichlorobenzene	PPBv	ND	09/19/05	WSD	10.			
1,1,1-Trichloroethane	PPBv	ND	09/19/05	WSD	10.			
1,1,2-Trichloroethane	PPBv	ND	09/19/05	WSD	10.			
Trichloroethylene	PPBv	ND	09/19/05	WSD	10.			
Trichlorofluoromethane (Freon 11)	PPBv	ND	09/19/05	WSD	10.			
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	09/19/05	WSD	10.			
1,2,4-Trimethylbenzene	PPBv	ND	09/19/05	WSD	10.			
1,3,5-Trimethylbenzene	PPBv	ND	09/19/05	WSD	10.			
Vinyl Acetate	PPBv	ND	09/19/05	WSD	10.			
Vinyl Chloride	PPBv	ND	09/19/05	WSD	10.			
m/p-Xylene	PPBv	ND	09/19/05	WSD	20.			
o-Xylene	PPBv	ND	09/19/05	WSD	10.			

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ND = Not Detected at or above the Reporting Limit

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



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PHOENIX, AZ 85040

Purchase Order No.:

9/21/2005

Page 12 of 31

Project Location: SOUTH MESA

Date Received: 9/14/2005

Field Sample #: VW-5AB

LIMS-BAT #: LIMS-91746

Job Number: -

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



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PHOENIX, AZ 85040

9/21/2005
Page 13 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 9/14/2005
Field Sample #: VW-7B

LIMS-BAT #: LIMS-91746
Job Number: -

Sample ID: *05B36851

Sampled: 9/13/2005
CT11405

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Acetone	PPBv	ND	09/20/05	WSD	20.			
Benzene	PPBv	ND	09/20/05	WSD	20.			
Benzyl Chloride	PPBv	ND	09/20/05	WSD	20.			
Bromodichloromethane	PPBv	ND	09/20/05	WSD	20.			
Bromomethane	PPBv	ND	09/20/05	WSD	20.			
1,3-Butadiene	PPBv	ND	09/20/05	WSD	20.			
2-Butanone (MEK)	PPBv	ND	09/20/05	WSD	20.			
Carbon Disulfide	PPBv	ND	09/20/05	WSD	20.			
Carbon Tetrachloride	PPBv	ND	09/20/05	WSD	20.			
Chlorobenzene	PPBv	ND	09/20/05	WSD	20.			
Chlorodibromomethane	PPBv	ND	09/20/05	WSD	20.			
Chloroethane	PPBv	ND	09/20/05	WSD	20.			
Chloroform	PPBv	ND	09/20/05	WSD	20.			
Chloromethane	PPBv	ND	09/20/05	WSD	20.			
Cyclohexane	PPBv	ND	09/20/05	WSD	20.			
1,2-Dibromoethane	PPBv	ND	09/20/05	WSD	20.			
1,2-Dichlorobenzene	PPBv	ND	09/20/05	WSD	20.			
1,3-Dichlorobenzene	PPBv	ND	09/20/05	WSD	20.			
1,4-Dichlorobenzene	PPBv	ND	09/20/05	WSD	20.			
Dichlorodifluoromethane	PPBv	ND	09/20/05	WSD	20.			
1,1-Dichloroethane	PPBv	45.	09/20/05	WSD	20.			
1,2-Dichloroethane	PPBv	ND	09/20/05	WSD	20.			
1,1-Dichloroethylene	PPBv	39.	09/20/05	WSD	20.			
cis-1,2-Dichloroethylene	PPBv	ND	09/20/05	WSD	20.			
t-1,2-Dichloroethylene	PPBv	ND	09/20/05	WSD	20.			
1,2-Dichloropropane	PPBv	ND	09/20/05	WSD	20.			
cis-1,3-Dichloropropene	PPBv	ND	09/20/05	WSD	20.			
trans-1,3-Dichloropropene	PPBv	ND	09/20/05	WSD	20.			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	09/20/05	WSD	20.			
Ethanol	PPBv	ND	09/20/05	WSD	20.			

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9/21/2005

Page 14 of 31

Purchase Order No.:

Project Location: SOUTH MESA

LIMS-BAT #: LIMS-91746

Date Received: 9/14/2005

Job Number: -

Field Sample #: VW-7B

Sample ID: *05B36851

Sampled: 9/13/2005

CT11405

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	PPBv	ND	09/20/05	WSD	20.		
Ethylbenzene	PPBv	ND	09/20/05	WSD	20.		
4-Ethyl Toluene	PPBv	ND	09/20/05	WSD	20.		
n-Heptane	PPBv	ND	09/20/05	WSD	20.		
Hexachlorobutadiene	PPBv	ND	09/20/05	WSD	20.		
Hexane	PPBv	ND	09/20/05	WSD	20.		
2-Hexanone	PPBv	ND	09/20/05	WSD	20.		
Isopropanol	PPBv	ND	09/20/05	WSD	20.		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	09/20/05	WSD	20.		
Methylene Chloride	PPBv	ND	09/20/05	WSD	20.		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	09/20/05	WSD	20.		
Propene	PPBv	ND	09/20/05	WSD	20.		
Styrene	PPBv	ND	09/20/05	WSD	20.		
1,1,2,2-Tetrachloroethane	PPBv	ND	09/20/05	WSD	20.		
Tetrachloroethylene	PPBv	1000	09/20/05	WSD	20.		
Tetrahydrofuran	PPBv	ND	09/20/05	WSD	20.		
Toluene	PPBv	ND	09/20/05	WSD	20.		
1,2,4-Trichlorobenzene	PPBv	ND	09/20/05	WSD	20.		
1,1,1-Trichloroethane	PPBv	ND	09/20/05	WSD	20.		
1,1,2-Trichloroethane	PPBv	ND	09/20/05	WSD	20.		
Trichloroethylene	PPBv	ND	09/20/05	WSD	20.		
Trichlorofluoromethane (Freon 11)	PPBv	ND	09/20/05	WSD	20.		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	09/20/05	WSD	20.		
1,2,4-Trimethylbenzene	PPBv	ND	09/20/05	WSD	20.		
1,3,5-Trimethylbenzene	PPBv	ND	09/20/05	WSD	20.		
Vinyl Acetate	PPBv	ND	09/20/05	WSD	20.		
Vinyl Chloride	PPBv	ND	09/20/05	WSD	20.		
m/p-Xylene	PPBv	ND	09/20/05	WSD	40.		
o-Xylene	PPBv	ND	09/20/05	WSD	20.		

RL = Reporting Limit

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Purchase Order No.:

9/21/2005

Page 15 of 31

Project Location: SOUTH MESA

LIMS-BAT #: LIMS-91746

Date Received: 9/14/2005

Job Number: -

Field Sample #: VW-7B

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Purchase Order No.:

9/21/2005
Page 16 of 31

Project Location: SOUTH MESA

Date Received: 9/14/2005

Field Sample #: EFF

LIMS-BAT #: LIMS-91746

Job Number: -

Sample ID : *05B36847

Sampled : 9/13/2005

CT1077

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	ND	09/19/05	WSD	24.		
Benzene	ug/m3	ND	09/19/05	WSD	32.		
Benzyl Chloride	ug/m3	ND	09/19/05	WSD	52.		
Bromodichloromethane	ug/m3	ND	09/19/05	WSD	68.		
Bromomethane	ug/m3	ND	09/19/05	WSD	39.		
1,3-Butadiene	ug/m3	ND	09/19/05	WSD	22.		
2-Butanone (MEK)	ug/m3	ND	09/19/05	WSD	30.		
Carbon Disulfide	ug/m3	ND	09/19/05	WSD	32.		
Carbon Tetrachloride	ug/m3	ND	09/19/05	WSD	62.		
Chlorobenzene	ug/m3	ND	09/19/05	WSD	46.		
Chlorodibromomethane	ug/m3	ND	09/19/05	WSD	86.		
Chloroethane	ug/m3	ND	09/19/05	WSD	27.		
Chloroform	ug/m3	ND	09/19/05	WSD	49.		
Chloromethane	ug/m3	ND	09/19/05	WSD	21.		
Cyclohexane	ug/m3	ND	09/19/05	WSD	34.		
1,2-Dibromoethane	ug/m3	ND	09/19/05	WSD	77.		
1,2-Dichlorobenzene	ug/m3	ND	09/19/05	WSD	61.		
1,3-Dichlorobenzene	ug/m3	ND	09/19/05	WSD	61.		
1,4-Dichlorobenzene	ug/m3	ND	09/19/05	WSD	61.		
Dichlorodifluoromethane	ug/m3	ND	09/19/05	WSD	50.		
1,1-Dichloroethane	ug/m3	ND	09/19/05	WSD	41.		
1,2-Dichloroethane	ug/m3	ND	09/19/05	WSD	41.		
1,1-Dichloroethylene	ug/m3	ND	09/19/05	WSD	40.		
cis-1,2-Dichloroethylene	ug/m3	ND	09/19/05	WSD	40.		
t-1,2-Dichloroethylene	ug/m3	ND	09/19/05	WSD	40.		
1,2-Dichloropropane	ug/m3	ND	09/19/05	WSD	47.		
cis-1,3-Dichloropropene	ug/m3	ND	09/19/05	WSD	46.		
trans-1,3-Dichloropropene	ug/m3	ND	09/19/05	WSD	46.		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	09/19/05	WSD	70.		
Ethanol	ug/m3	ND	09/19/05	WSD	18.		

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9/21/2005
Page 17 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 9/14/2005
Field Sample #: EFF

LIMS-BAT #: LIMS-91746
Job Number: -

Sample ID: *05B36847

Sampled: 9/13/2005
CT1077

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	09/19/05	WSD	36.		
Ethylbenzene	ug/m3	ND	09/19/05	WSD	44.		
4-Ethyl Toluene	ug/m3	ND	09/19/05	WSD	50.		
n-Heptane	ug/m3	ND	09/19/05	WSD	40.		
Hexachlorobutadiene	ug/m3	ND	09/19/05	WSD	110		
Hexane	ug/m3	ND	09/19/05	WSD	36.		
2-Hexanone	ug/m3	ND	09/19/05	WSD	40.		
Isopropanol	ug/m3	ND	09/19/05	WSD	24.		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	09/19/05	WSD	36.		
Methylene Chloride	ug/m3	71.	09/19/05	WSD	35.		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	09/19/05	WSD	40.		
Propene	ug/m3	ND	09/19/05	WSD	18.		
Styrene	ug/m3	ND	09/19/05	WSD	43.		
1,1,2,2-Tetrachloroethane	ug/m3	ND	09/19/05	WSD	69.		
Tetrachloroethylene	ug/m3	ND	09/19/05	WSD	68.		
Tetrahydrofuran	ug/m3	ND	09/19/05	WSD	30.		
Toluene	ug/m3	ND	09/19/05	WSD	38.		
1,2,4-Trichlorobenzene	ug/m3	ND	09/19/05	WSD	75.		
1,1,1-Trichloroethane	ug/m3	ND	09/19/05	WSD	55.		
1,1,2-Trichloroethane	ug/m3	ND	09/19/05	WSD	55.		
Trichloroethylene	ug/m3	ND	09/19/05	WSD	54.		
Trichlorofluoromethane	ug/m3	ND	09/19/05	WSD	57.		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	09/19/05	WSD	77.		
1,2,4-Trimethylbenzene	ug/m3	ND	09/19/05	WSD	50.		
1,3,5-Trimethylbenzene	ug/m3	ND	09/19/05	WSD	50.		
Vinyl Acetate	ug/m3	ND	09/19/05	WSD	36.		
Vinyl Chloride	ug/m3	ND	09/19/05	WSD	26.		
m/p-Xylene	ug/m3	ND	09/19/05	WSD	87.		
o-Xylene	ug/m3	ND	09/19/05	WSD	44.		

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Purchase Order No.:

9/21/2005

Page 18 of 31

Project Location: SOUTH MESA

Date Received: 9/14/2005

Field Sample #: EFF

LIMS-BAT #: LIMS-91746

Job Number: -

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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9/21/2005
Page 19 of 31

Project Location: SOUTH MESA
Date Received: 9/14/2005
Field Sample #: INF

Purchase Order No.:

LIMS-BAT #: LIMS-91746
Job Number: -

Sample ID : 05B36849

Sampled : 9/13/2005
CT1083

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Acetone	ug/m3	ND	09/19/05	WSD	24.			
Benzene	ug/m3	ND	09/19/05	WSD	32.			
Benzyl Chloride	ug/m3	ND	09/19/05	WSD	52.			
Bromodichloromethane	ug/m3	ND	09/19/05	WSD	68.			
Bromomethane	ug/m3	ND	09/19/05	WSD	39.			
1,3-Butadiene	ug/m3	ND	09/19/05	WSD	22.			
2-Butanone (MEK)	ug/m3	ND	09/19/05	WSD	30.			
Carbon Disulfide	ug/m3	ND	09/19/05	WSD	32.			
Carbon Tetrachloride	ug/m3	ND	09/19/05	WSD	62.			
Chlorobenzene	ug/m3	ND	09/19/05	WSD	46.			
Chlorodibromomethane	ug/m3	ND	09/19/05	WSD	86.			
Chloroethane	ug/m3	ND	09/19/05	WSD	27.			
Chloroform	ug/m3	ND	09/19/05	WSD	49.			
Chloromethane	ug/m3	ND	09/19/05	WSD	21.			
Cyclohexane	ug/m3	ND	09/19/05	WSD	34.			
1,2-Dibromoethane	ug/m3	ND	09/19/05	WSD	77.			
1,2-Dichlorobenzene	ug/m3	ND	09/19/05	WSD	61.			
1,3-Dichlorobenzene	ug/m3	ND	09/19/05	WSD	61.			
1,4-Dichlorobenzene	ug/m3	ND	09/19/05	WSD	61.			
Dichlorodifluoromethane	ug/m3	ND	09/19/05	WSD	50.			
1,1-Dichloroethane	ug/m3	ND	09/19/05	WSD	41.			
1,2-Dichloroethane	ug/m3	ND	09/19/05	WSD	41.			
1,1-Dichloroethylene	ug/m3	ND	09/19/05	WSD	40.			
cis-1,2-Dichloroethylene	ug/m3	ND	09/19/05	WSD	40.			
t-1,2-Dichloroethylene	ug/m3	ND	09/19/05	WSD	40.			
1,2-Dichloropropane	ug/m3	ND	09/19/05	WSD	47.			
cis-1,3-Dichloropropene	ug/m3	ND	09/19/05	WSD	46.			
trans-1,3-Dichloropropene	ug/m3	ND	09/19/05	WSD	46.			
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	09/19/05	WSD	70.			
Ethanol	ug/m3	ND	09/19/05	WSD	18.			

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9/21/2005
Page 20 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 9/14/2005
Field Sample #: INF

LIMS-BAT #: LIMS-91746
Job Number: -

Sample ID : 05B36849

Sampled : 9/13/2005
CT1083

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Ethyl Acetate	ug/m3	ND	09/19/05	WSD	36.		
Ethylbenzene	ug/m3	ND	09/19/05	WSD	44.		
4-Ethyl Toluene	ug/m3	ND	09/19/05	WSD	50.		
n-Heptane	ug/m3	ND	09/19/05	WSD	40.		
Hexachlorobutadiene	ug/m3	ND	09/19/05	WSD	110		
Hexane	ug/m3	ND	09/19/05	WSD	36.		
2-Hexanone	ug/m3	ND	09/19/05	WSD	40.		
Isopropanol	ug/m3	ND	09/19/05	WSD	24.		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	09/19/05	WSD	36.		
Methylene Chloride	ug/m3	ND	09/19/05	WSD	35.		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	09/19/05	WSD	40.		
Propene	ug/m3	ND	09/19/05	WSD	18.		
Styrene	ug/m3	ND	09/19/05	WSD	43.		
1,1,2,2-Tetrachloroethane	ug/m3	ND	09/19/05	WSD	69.		
Tetrachloroethylene	ug/m3	1600	09/19/05	WSD	68.		
Tetrahydrofuran	ug/m3	ND	09/19/05	WSD	30.		
Toluene	ug/m3	ND	09/19/05	WSD	38.		
1,2,4-Trichlorobenzene	ug/m3	ND	09/19/05	WSD	75.		
1,1,1-Trichloroethane	ug/m3	ND	09/19/05	WSD	55.		
1,1,2-Trichloroethane	ug/m3	ND	09/19/05	WSD	55.		
Trichloroethylene	ug/m3	ND	09/19/05	WSD	54.		
Trichlorofluoromethane	ug/m3	ND	09/19/05	WSD	57.		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	09/19/05	WSD	77.		
1,2,4-Trimethylbenzene	ug/m3	ND	09/19/05	WSD	50.		
1,3,5-Trimethylbenzene	ug/m3	ND	09/19/05	WSD	50.		
Vinyl Acetate	ug/m3	ND	09/19/05	WSD	36.		
Vinyl Chloride	ug/m3	ND	09/19/05	WSD	26.		
m/p-Xylene	ug/m3	ND	09/19/05	WSD	87.		
o-Xylene	ug/m3	ND	09/19/05	WSD	44.		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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Purchase Order No.:

9/21/2005

Page 21 of 31

Project Location: SOUTH MESA

Date Received: 9/14/2005

Field Sample #: INF

LIMS-BAT #: LIMS-91746

Job Number: -

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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Purchase Order No.:

9/21/2005
Page 22 of 31

Project Location: SOUTH MESA

Date Received: 9/14/2005

Field Sample #: INT

LIMS-BAT #: LIMS-91746

Job Number: -

Sample ID : 05B36848

Sampled : 9/13/2005

CT1081

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	ND	09/19/05	WSD	24.		
Benzene	ug/m3	ND	09/19/05	WSD	32.		
Benzyl Chloride	ug/m3	ND	09/19/05	WSD	52.		
Bromodichloromethane	ug/m3	ND	09/19/05	WSD	68.		
Bromomethane	ug/m3	ND	09/19/05	WSD	39.		
1,3-Butadiene	ug/m3	ND	09/19/05	WSD	22.		
2-Butanone (MEK)	ug/m3	ND	09/19/05	WSD	30.		
Carbon Disulfide	ug/m3	ND	09/19/05	WSD	32.		
Carbon Tetrachloride	ug/m3	ND	09/19/05	WSD	62.		
Chlorobenzene	ug/m3	ND	09/19/05	WSD	46.		
Chlorodibromomethane	ug/m3	ND	09/19/05	WSD	86.		
Chloroethane	ug/m3	ND	09/19/05	WSD	27.		
Chloroform	ug/m3	ND	09/19/05	WSD	49.		
Chloromethane	ug/m3	ND	09/19/05	WSD	21.		
Cyclohexane	ug/m3	ND	09/19/05	WSD	34.		
1,2-Dibromoethane	ug/m3	ND	09/19/05	WSD	77.		
1,2-Dichlorobenzene	ug/m3	ND	09/19/05	WSD	61.		
1,3-Dichlorobenzene	ug/m3	ND	09/19/05	WSD	61.		
1,4-Dichlorobenzene	ug/m3	ND	09/19/05	WSD	61.		
Dichlorodifluoromethane	ug/m3	ND	09/19/05	WSD	50.		
1,1-Dichloroethane	ug/m3	ND	09/19/05	WSD	41.		
1,2-Dichloroethane	ug/m3	ND	09/19/05	WSD	41.		
1,1-Dichloroethylene	ug/m3	ND	09/19/05	WSD	40.		
cis-1,2-Dichloroethylene	ug/m3	ND	09/19/05	WSD	40.		
t-1,2-Dichloroethylene	ug/m3	ND	09/19/05	WSD	40.		
1,2-Dichloropropane	ug/m3	ND	09/19/05	WSD	47.		
cis-1,3-Dichloropropene	ug/m3	ND	09/19/05	WSD	46.		
trans-1,3-Dichloropropene	ug/m3	ND	09/19/05	WSD	46.		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	09/19/05	WSD	70.		
Ethanol	ug/m3	ND	09/19/05	WSD	18.		

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* = See end of report for comments and notes applying to this sample



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MACTEC ENGINEERING & CONSULTING - AZ

3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Purchase Order No.:

9/21/2005

Page 23 of 31

Project Location: SOUTH MESA

Date Received: 9/14/2005

Field Sample #: INT

LIMS-BAT #: LIMS-91746

Job Number: -

Sample ID: 05B36848

Sampled: 9/13/2005

CT1081

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Ethyl Acetate	ug/m3	ND	09/19/05	WSD	36.			
Ethylbenzene	ug/m3	ND	09/19/05	WSD	44.			
4-Ethyl Toluene	ug/m3	ND	09/19/05	WSD	50.			
n-Heptane	ug/m3	ND	09/19/05	WSD	40.			
Hexachlorobutadiene	ug/m3	ND	09/19/05	WSD	110			
Hexane	ug/m3	ND	09/19/05	WSD	36.			
2-Hexanone	ug/m3	ND	09/19/05	WSD	40.			
Isopropanol	ug/m3	ND	09/19/05	WSD	24.			
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	09/19/05	WSD	36.			
Methylene Chloride	ug/m3	ND	09/19/05	WSD	35.			
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	09/19/05	WSD	40.			
Propene	ug/m3	ND	09/19/05	WSD	18.			
Styrene	ug/m3	ND	09/19/05	WSD	43.			
1,1,2,2-Tetrachloroethane	ug/m3	ND	09/19/05	WSD	69.			
Tetrachloroethylene	ug/m3	980	09/19/05	WSD	68.			
Tetrahydrofuran	ug/m3	ND	09/19/05	WSD	30.			
Toluene	ug/m3	ND	09/19/05	WSD	38.			
1,2,4-Trichlorobenzene	ug/m3	ND	09/19/05	WSD	75.			
1,1,1-Trichloroethane	ug/m3	ND	09/19/05	WSD	55.			
1,1,2-Trichloroethane	ug/m3	ND	09/19/05	WSD	55.			
Trichloroethylene	ug/m3	ND	09/19/05	WSD	54.			
Trichlorofluoromethane	ug/m3	ND	09/19/05	WSD	57.			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	09/19/05	WSD	77.			
1,2,4-Trimethylbenzene	ug/m3	ND	09/19/05	WSD	50.			
1,3,5-Trimethylbenzene	ug/m3	ND	09/19/05	WSD	50.			
Vinyl Acetate	ug/m3	ND	09/19/05	WSD	36.			
Vinyl Chloride	ug/m3	ND	09/19/05	WSD	26.			
m/p-Xylene	ug/m3	ND	09/19/05	WSD	87.			
o-Xylene	ug/m3	ND	09/19/05	WSD	44.			

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Purchase Order No.:

9/21/2005

Page 24 of 31

Project Location: SOUTH MESA

Date Received: 9/14/2005

LIMS-BAT #: LIMS-91746

Job Number: -

Field Sample #: INT

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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9/21/2005
Page 25 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 9/14/2005
Field Sample #: VW-5AB

LIMS-BAT #: LIMS-91746
Job Number: -

Sample ID: 05B36850

Sampled: 9/13/2005
CT1135

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	ug/m3	ND	09/19/05	WSD	24.			
Benzene	ug/m3	ND	09/19/05	WSD	32.			
Benzyl Chloride	ug/m3	ND	09/19/05	WSD	52.			
Bromodichloromethane	ug/m3	ND	09/19/05	WSD	68.			
Bromomethane	ug/m3	ND	09/19/05	WSD	39.			
1,3-Butadiene	ug/m3	ND	09/19/05	WSD	22.			
2-Butanone (MEK)	ug/m3	ND	09/19/05	WSD	30.			
Carbon Disulfide	ug/m3	ND	09/19/05	WSD	32.			
Carbon Tetrachloride	ug/m3	ND	09/19/05	WSD	62.			
Chlorobenzene	ug/m3	ND	09/19/05	WSD	46.			
Chlorodibromomethane	ug/m3	ND	09/19/05	WSD	86.			
Chloroethane	ug/m3	ND	09/19/05	WSD	27.			
Chloroform	ug/m3	62.	09/19/05	WSD	49.			
Chloromethane	ug/m3	ND	09/19/05	WSD	21.			
Cyclohexane	ug/m3	ND	09/19/05	WSD	34.			
1,2-Dibromoethane	ug/m3	ND	09/19/05	WSD	77.			
1,2-Dichlorobenzene	ug/m3	ND	09/19/05	WSD	61.			
1,3-Dichlorobenzene	ug/m3	ND	09/19/05	WSD	61.			
1,4-Dichlorobenzene	ug/m3	ND	09/19/05	WSD	61.			
Dichlorodifluoromethane	ug/m3	ND	09/19/05	WSD	50.			
1,1-Dichloroethane	ug/m3	ND	09/19/05	WSD	41.			
1,2-Dichloroethane	ug/m3	ND	09/19/05	WSD	41.			
1,1-Dichloroethylene	ug/m3	ND	09/19/05	WSD	40.			
cis-1,2-Dichloroethylene	ug/m3	130	09/19/05	WSD	40.			
t-1,2-Dichloroethylene	ug/m3	ND	09/19/05	WSD	40.			
1,2-Dichloropropane	ug/m3	ND	09/19/05	WSD	47.			
cis-1,3-Dichloropropene	ug/m3	ND	09/19/05	WSD	46.			
trans-1,3-Dichloropropene	ug/m3	ND	09/19/05	WSD	46.			
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	09/19/05	WSD	70.			
Ethanol	ug/m3	ND	09/19/05	WSD	18.			

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Purchase Order No.:

9/21/2005

Page 26 of 31

Project Location: SOUTH MESA
Date Received: 9/14/2005

LIMS-BAT #: LIMS-91746

Job Number: -

Field Sample #: VW-5AB

Sample ID : 05B36850

Sampled : 9/13/2005

CT1135

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/F
Ethyl Acetate	ug/m3	ND	09/19/05	WSD	36.		
Ethylbenzene	ug/m3	ND	09/19/05	WSD	44.		
4-Ethyl Toluene	ug/m3	ND	09/19/05	WSD	50.		
n-Heptane	ug/m3	ND	09/19/05	WSD	40.		
Hexachlorobutadiene	ug/m3	ND	09/19/05	WSD	110		
Hexane	ug/m3	ND	09/19/05	WSD	36.		
2-Hexanone	ug/m3	ND	09/19/05	WSD	40.		
Isopropanol	ug/m3	ND	09/19/05	WSD	24.		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	09/19/05	WSD	36.		
Methylene Chloride	ug/m3	ND	09/19/05	WSD	35.		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	09/19/05	WSD	40.		
Propene	ug/m3	ND	09/19/05	WSD	18.		
Styrene	ug/m3	ND	09/19/05	WSD	43.		
1,1,2,2-Tetrachloroethane	ug/m3	ND	09/19/05	WSD	69.		
Tetrachloroethylene	ug/m3	730	09/19/05	WSD	68.		
Tetrahydrofuran	ug/m3	ND	09/19/05	WSD	30.		
Toluene	ug/m3	ND	09/19/05	WSD	38.		
1,2,4-Trichlorobenzene	ug/m3	ND	09/19/05	WSD	75.		
1,1,1-Trichloroethane	ug/m3	ND	09/19/05	WSD	55.		
1,1,2-Trichloroethane	ug/m3	ND	09/19/05	WSD	55.		
Trichloroethylene	ug/m3	ND	09/19/05	WSD	54.		
Trichlorofluoromethane	ug/m3	ND	09/19/05	WSD	57.		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	09/19/05	WSD	77.		
1,2,4-Trimethylbenzene	ug/m3	ND	09/19/05	WSD	50.		
1,3,5-Trimethylbenzene	ug/m3	ND	09/19/05	WSD	50.		
Vinyl Acetate	ug/m3	ND	09/19/05	WSD	36.		
Vinyl Chloride	ug/m3	ND	09/19/05	WSD	26.		
m/p-Xylene	ug/m3	ND	09/19/05	WSD	87.		
o-Xylene	ug/m3	ND	09/19/05	WSD	44.		

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Purchase Order No.:

Project Location: SOUTH MESA

Date Received: 9/14/2005

Field Sample #: VW-5AB

9/21/2005

Page 27 of 31

LIMS-BAT #: LIMS-91746

Job Number: -

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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9/21/2005

Page 28 of 31

Purchase Order No.:

Project Location: SOUTH MESA

LIMS-BAT #: LIMS-91746

Date Received: 9/14/2005

Job Number: -

Field Sample #: VW-7B

Sample ID: 05B36851

Sampled: 9/13/2005

CT11405

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Acetone	ug/m3	ND	09/20/05	WSD	48.		
Benzene	ug/m3	ND	09/20/05	WSD	64.		
Benzyl Chloride	ug/m3	ND	09/20/05	WSD	110		
Bromodichloromethane	ug/m3	ND	09/20/05	WSD	140		
Bromomethane	ug/m3	ND	09/20/05	WSD	78.		
1,3-Butadiene	ug/m3	ND	09/20/05	WSD	44.		
2-Butanone (MEK)	ug/m3	ND	09/20/05	WSD	60.		
Carbon Disulfide	ug/m3	ND	09/20/05	WSD	64.		
Carbon Tetrachloride	ug/m3	ND	09/20/05	WSD	130		
Chlorobenzene	ug/m3	ND	09/20/05	WSD	92.		
Chlorodibromomethane	ug/m3	ND	09/20/05	WSD	180		
Chloroethane	ug/m3	ND	09/20/05	WSD	53.		
Chloroform	ug/m3	ND	09/20/05	WSD	98.		
Chloromethane	ug/m3	ND	09/20/05	WSD	42.		
Cyclohexane	ug/m3	ND	09/20/05	WSD	68.		
1,2-Dibromoethane	ug/m3	ND	09/20/05	WSD	160		
1,2-Dichlorobenzene	ug/m3	ND	09/20/05	WSD	130		
1,3-Dichlorobenzene	ug/m3	ND	09/20/05	WSD	130		
1,4-Dichlorobenzene	ug/m3	ND	09/20/05	WSD	130		
Dichlorodifluoromethane	ug/m3	ND	09/20/05	WSD	99.		
1,1-Dichloroethane	ug/m3	180	09/20/05	WSD	81.		
1,2-Dichloroethane	ug/m3	ND	09/20/05	WSD	81.		
1,1-Dichloroethylene	ug/m3	160	09/20/05	WSD	79.		
cis-1,2-Dichloroethylene	ug/m3	ND	09/20/05	WSD	80.		
t-1,2-Dichloroethylene	ug/m3	ND	09/20/05	WSD	80.		
1,2-Dichloropropane	ug/m3	ND	09/20/05	WSD	93.		
cis-1,3-Dichloropropene	ug/m3	ND	09/20/05	WSD	91.		
trans-1,3-Dichloropropene	ug/m3	ND	09/20/05	WSD	91.		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	09/20/05	WSD	140		
Ethanol	ug/m3	ND	09/20/05	WSD	36.		

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Purchase Order No.:

9/21/2005

Page 29 of 31

Project Location: SOUTH MESA

Date Received: 9/14/2005

Field Sample #: VW-7B

Sample ID: 05B36851

Sampled: 9/13/2005

CT11405

Sample Matrix: AIR

Sample Medium: SUMMA

LIMS-BAT #: LIMS-91746

Job Number: -

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Ethyl Acetate	ug/m3	ND	09/20/05	WSD	72.			
Ethylbenzene	ug/m3	ND	09/20/05	WSD	87.			
4-Ethyl Toluene	ug/m3	ND	09/20/05	WSD	100			
n-Heptane	ug/m3	ND	09/20/05	WSD	80.			
Hexachlorobutadiene	ug/m3	ND	09/20/05	WSD	220			
Hexane	ug/m3	ND	09/20/05	WSD	72.			
2-Hexanone	ug/m3	ND	09/20/05	WSD	80.			
Isopropanol	ug/m3	ND	09/20/05	WSD	48.			
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	09/20/05	WSD	72.			
Methylene Chloride	ug/m3	ND	09/20/05	WSD	70.			
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	09/20/05	WSD	80.			
Propene	ug/m3	ND	09/20/05	WSD	36.			
Styrene	ug/m3	ND	09/20/05	WSD	86.			
1,1,2,2-Tetrachloroethane	ug/m3	ND	09/20/05	WSD	140			
Tetrachloroethylene	ug/m3	6900	09/20/05	WSD	140.			
Tetrahydrofuran	ug/m3	ND	09/20/05	WSD	60.			
Toluene	ug/m3	ND	09/20/05	WSD	76.			
1,2,4-Trichlorobenzene	ug/m3	ND	09/20/05	WSD	150			
1,1,1-Trichloroethane	ug/m3	ND	09/20/05	WSD	110			
1,1,2-Trichloroethane	ug/m3	ND	09/20/05	WSD	110			
Trichloroethylene	ug/m3	ND	09/20/05	WSD	110			
Trichlorofluoromethane	ug/m3	ND	09/20/05	WSD	120			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	09/20/05	WSD	160			
1,2,4-Trimethylbenzene	ug/m3	ND	09/20/05	WSD	99.			
1,3,5-Trimethylbenzene	ug/m3	ND	09/20/05	WSD	99.			
Vinyl Acetate	ug/m3	ND	09/20/05	WSD	72.			
Vinyl Chloride	ug/m3	ND	09/20/05	WSD	52.			
m/p-Xylene	ug/m3	ND	09/20/05	WSD	180			
o-Xylene	ug/m3	ND	09/20/05	WSD	87.			

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Purchase Order No.:

9/21/2005

Page 30 of 31

Project Location: SOUTH MESA

Date Received: 9/14/2005

Field Sample #: VW-7B

LIMS-BAT #: LIMS-91746

Job Number: -

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Purchase Order No.:

9/21/2005
Page 31 of 31

Project Location: SOUTH MESA
Date Received: 9/14/2005

LIMS-BAT #: LIMS-91746
Job Number: -

The following notes were attached to the reported analysis :

Sample ID: * 05B36847
Analysis: to-15 ppbv

ELEVATED METHOD DETECTION LIMIT DUE TO MATRIX INTERFERENCES.

Sample ID: * 05B36847
Analysis: Methylene Chloride

METHYLENE CHLORIDE IS A COMMON LABORATORY CONTAMINANT.

Sample ID: * 05B36848
Analysis: to-15 ppbv

ELEVATED METHOD DETECTION LIMIT DUE TO MATRIX INTERFERENCES.

Sample ID: * 05B36849
Analysis: to-15 ppbv

ELEVATED METHOD DETECTION LIMIT DUE TO MATRIX INTERFERENCES.

Sample ID: * 05B36850
Analysis: to-15 ppbv

ELEVATED METHOD DETECTION LIMIT DUE TO MATRIX INTERFERENCES.

Sample ID: * 05B36851
Analysis: to-15 ppbv

ELEVATED METHOD DETECTION LIMIT DUE TO MATRIX INTERFERENCES.

** END OF REPORT **

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 9/21/2005

Lims Bat #: LIMS-91746

Page 1 of 7

QC Batch Number: BATCH-9814

Sample Id	Analysis	QC Analysis	Values	Units	Limits
05B36847	4-Bromofluorobenzene	Surrogate Recovery	89.8	%	70-130
05B36848	4-Bromofluorobenzene	Surrogate Recovery	91.6	%	70-130
05B36849	4-Bromofluorobenzene	Surrogate Recovery	92.5	%	70-130
05B36850	4-Bromofluorobenzene	Surrogate Recovery	93.6	%	70-130
05B36851	4-Bromofluorobenzene	Surrogate Recovery	97.6	%	70-130
BLANK-78909	Acetone	Blank	<1.2	ug/m3	
	Benzene	Blank	<1.6	ug/m3	
	Carbon Tetrachloride	Blank	<3.1	ug/m3	
	Chloroform	Blank	<2.5	ug/m3	
	1,2-Dichloroethane	Blank	<2.1	ug/m3	
	1,4-Dichlorobenzene	Blank	<3.1	ug/m3	
	Ethyl Acetate	Blank	<1.8	ug/m3	
	Ethylbenzene	Blank	<2.2	ug/m3	
	Hexane	Blank	<1.8	ug/m3	
	Isopropanol	Blank	<1.2	ug/m3	
	2-Butanone (MEK)	Blank	<1.5	ug/m3	
	4-Methyl-2-Pentanone (MIBK)	Blank	<2.0	ug/m3	
	Styrene	Blank	<2.2	ug/m3	
	Tetrachloroethylene	Blank	<3.4	ug/m3	
	Toluene	Blank	<1.9	ug/m3	
	1,1,1-Trichloroethane	Blank	<2.8	ug/m3	
	Trichloroethylene	Blank	<2.7	ug/m3	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<3.9	ug/m3	
	Trichlorofluoromethane	Blank	<2.9	ug/m3	
	o-Xylene	Blank	<2.2	ug/m3	
	m/p-Xylene	Blank	<4.4	ug/m3	
	1,2-Dichlorobenzene	Blank	<3.1	ug/m3	
	1,3-Dichlorobenzene	Blank	<3.1	ug/m3	
	1,1-Dichloroethane	Blank	<2.1	ug/m3	
	1,1-Dichloroethylene	Blank	<2.0	ug/m3	
	Ethanol	Blank	<0.9	ug/m3	
	4-Ethyl Toluene	Blank	<2.5	ug/m3	
	Methyl tert-Butyl Ether (MTBE)	Blank	<1.8	ug/m3	
	t-1,2-Dichloroethylene	Blank	<2.0	ug/m3	
	Vinyl Chloride	Blank	<1.3	ug/m3	
	Methylene Chloride	Blank	<1.8	ug/m3	
	Chlorobenzene	Blank	<2.3	ug/m3	
	Chloromethane	Blank	<1.1	ug/m3	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Standard Reference Materials and Duplicates
Method Blanks

Report Date: 9/21/2005

Lims Bat # : LIMS-91746

Page 2 of 7

QC Batch Number: BATCH-9814

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-78909	Bromomethane	Blank	<2.0	ug/m3	
	Chloroethane	Blank	<1.4	ug/m3	
	cis-1,3-Dichloropropene	Blank	<2.3	ug/m3	
	trans-1,3-Dichloropropene	Blank	<2.3	ug/m3	
	Chlorodibromomethane	Blank	<4.3	ug/m3	
	1,1,2-Trichloroethane	Blank	<2.8	ug/m3	
	1,1,2,2-Tetrachloroethane	Blank	<3.5	ug/m3	
	Hexachlorobutadiene	Blank	<5.4	ug/m3	
	1,2,4-Trichlorobenzene	Blank	<3.8	ug/m3	
	1,2,4-Trimethylbenzene	Blank	<2.5	ug/m3	
	1,3,5-Trimethylbenzene	Blank	<2.5	ug/m3	
	Cyclohexane	Blank	<1.7	ug/m3	
	cis-1,2-Dichloroethylene	Blank	<2.0	ug/m3	
	1,2-Dichloropropane	Blank	<2.4	ug/m3	
	Dichlorodifluoromethane	Blank	<2.5	ug/m3	
	Benzyl Chloride	Blank	<2.6	ug/m3	
	Carbon Disulfide	Blank	<1.6	ug/m3	
	Vinyl Acetate	Blank	<1.8	ug/m3	
	2-Hexanone	Blank	<2.0	ug/m3	
	Bromodichloromethane	Blank	<3.4	ug/m3	
	1,2-Dibromoethane	Blank	<3.9	ug/m3	
	n-Heptane	Blank	<2.0	ug/m3	
	1,2-Dichlorotetrafluoroethane (114)	Blank	<3.5	ug/m3	
	Tetrahydrofuran	Blank	<1.5	ug/m3	
	Propene	Blank	<0.9	ug/m3	
	1,3-Butadiene	Blank	<1.1	ug/m3	
LFBLANK-44969	Acetone	Lab Fort Blank Amt.	23.8	ug/m3	
		Lab Fort Blk. Found	20.6	ug/m3	
		Lab Fort Blk. % Rec.	86.8	%	50-150
	Benzene	Lab Fort Blank Amt.	31.9	ug/m3	
		Lab Fort Blk. Found	28.6	ug/m3	
		Lab Fort Blk. % Rec.	89.8	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	62.9	ug/m3	
		Lab Fort Blk. Found	73.5	ug/m3	
		Lab Fort Blk. % Rec.	116.8	%	70-130
	Chloroform	Lab Fort Blank Amt.	48.7	ug/m3	
		Lab Fort Blk. Found	48.9	ug/m3	
		Lab Fort Blk. % Rec.	100.5	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	40.5	ug/m3	
		Lab Fort Blk. Found	43.6	ug/m3	
		Lab Fort Blk. % Rec.	107.8	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	60.1	ug/m3	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QC SUMMARY REPORT

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BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 9/21/2005

Lims Bat #: LIMS-91746

Page 3 of 7

QC Batch Number: BATCH-9814

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-44969					
1,4-Dichlorobenzene		Lab Fort Blk. Found	63.2	ug/m3	70-130
		Lab Fort Blk. % Rec.	105.2	%	
Ethyl Acetate		Lab Fort Blank Amt.	36.0	ug/m3	50-150
		Lab Fort Blk. Found	28.2	ug/m3	
		Lab Fort Blk. % Rec.	78.3	%	
		Lab Fort Blank Amt.	43.4	ug/m3	70-130
Ethylbenzene		Lab Fort Blk. Found	42.3	ug/m3	
		Lab Fort Blk. % Rec.	97.5	%	70-130
Hexane		Lab Fort Blank Amt.	35.2	ug/m3	
		Lab Fort Blk. Found	32.7	ug/m3	70-130
		Lab Fort Blk. % Rec.	92.8	%	
Isopropanol		Lab Fort Blank Amt.	24.6	ug/m3	50-150
		Lab Fort Blk. Found	24.0	ug/m3	
		Lab Fort Blk. % Rec.	97.6	%	70-130
		Lab Fort Blank Amt.	29.5	ug/m3	
2-Butanone (MEK)		Lab Fort Blk. Found	26.4	ug/m3	70-130
		Lab Fort Blk. % Rec.	89.4	%	
4-Methyl-2-Pentanone (MIBK)		Lab Fort Blank Amt.	41.0	ug/m3	70-130
		Lab Fort Blk. Found	38.8	ug/m3	70-130
		Lab Fort Blk. % Rec.	94.6	%	
Styrene		Lab Fort Blank Amt.	42.5	ug/m3	70-130
		Lab Fort Blk. Found	47.0	ug/m3	70-130
		Lab Fort Blk. % Rec.	110.6	%	
Tetrachloroethylene		Lab Fort Blank Amt.	67.8	ug/m3	70-130
		Lab Fort Blk. Found	70.4	ug/m3	
		Lab Fort Blk. % Rec.	103.8	%	70-130
		Lab Fort Blank Amt.	37.6	ug/m3	70-130
Toluene		Lab Fort Blk. Found	35.1	ug/m3	
		Lab Fort Blk. % Rec.	93.3	%	70-130
1,1,1-Trichloroethane		Lab Fort Blank Amt.	54.6	ug/m3	
		Lab Fort Blk. Found	59.3	ug/m3	70-130
		Lab Fort Blk. % Rec.	108.6	%	
Trichloroethylene		Lab Fort Blank Amt.	53.7	ug/m3	70-130
		Lab Fort Blk. Found	52.8	ug/m3	70-130
		Lab Fort Blk. % Rec.	98.3	%	
1,1,2-Trichloro-1,2,2-Trifluoroethane		Lab Fort Blank Amt.	76.6	ug/m3	70-130
		Lab Fort Blk. Found	83.5	ug/m3	70-130
		Lab Fort Blk. % Rec.	109.0	%	
Trichlorofluoromethane		Lab Fort Blank Amt.	56.2	ug/m3	70-130
		Lab Fort Blk. Found	68.2	ug/m3	70-130
		Lab Fort Blk. % Rec.	121.3	%	
o-Xylene		Lab Fort Blank Amt.	43.4	ug/m3	70-130
		Lab Fort Blk. Found	44.0	ug/m3	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 9/21/2005

Lims Bat #: LIMS-91746

Page 4 of 7

QC Batch Number: BATCH-9814

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-44969					
	o-Xylene	Lab Fort Blk. % Rec.	101.4	%	70-130
	m/p-Xylene	Lab Fort Blank Amt.	86.9	ug/m3	
		Lab Fort Blk. Found	86.1	ug/m3	
		Lab Fort Blk. % Rec.	99.1	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	60.1	ug/m3	
		Lab Fort Blk. Found	63.3	ug/m3	
		Lab Fort Blk. % Rec.	105.3	%	70-130
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	60.1	ug/m3	
		Lab Fort Blk. Found	61.9	ug/m3	
		Lab Fort Blk. % Rec.	102.9	%	70-130
	1,1-Dichloroethane	Lab Fort Blank Amt.	40.5	ug/m3	
		Lab Fort Blk. Found	38.9	ug/m3	
		Lab Fort Blk. % Rec.	96.0	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	39.7	ug/m3	
		Lab Fort Blk. Found	42.8	ug/m3	
		Lab Fort Blk. % Rec.	108.0	%	70-130
	Ethanol	Lab Fort Blank Amt.	18.8	ug/m3	
		Lab Fort Blk. Found	15.3	ug/m3	
		Lab Fort Blk. % Rec.	81.4	%	50-150
	4-Ethyl Toluene	Lab Fort Blank Amt.	49.2	ug/m3	
		Lab Fort Blk. Found	50.3	ug/m3	
		Lab Fort Blk. % Rec.	102.4	%	50-150
	Methyl tert-Butyl Ether (MTBE)	Lab Fort Blank Amt.	36.1	ug/m3	
		Lab Fort Blk. Found	34.7	ug/m3	
		Lab Fort Blk. % Rec.	96.2	%	70-130
	t-1,2-Dichloroethylene	Lab Fort Blank Amt.	39.6	ug/m3	
		Lab Fort Blk. Found	38.3	ug/m3	
		Lab Fort Blk. % Rec.	96.5	%	70-130
	Vinyl Chloride	Lab Fort Blank Amt.	25.6	ug/m3	
		Lab Fort Blk. Found	27.6	ug/m3	
		Lab Fort Blk. % Rec.	107.8	%	70-130
	Methylene Chloride	Lab Fort Blank Amt.	34.7	ug/m3	
		Lab Fort Blk. Found	35.7	ug/m3	
		Lab Fort Blk. % Rec.	102.7	%	70-130
	Chlorobenzene	Lab Fort Blank Amt.	46.1	ug/m3	
		Lab Fort Blk. Found	44.7	ug/m3	
		Lab Fort Blk. % Rec.	97.0	%	70-130
	Chloromethane	Lab Fort Blank Amt.	20.7	ug/m3	
		Lab Fort Blk. Found	22.4	ug/m3	
		Lab Fort Blk. % Rec.	108.5	%	70-130
	Bromomethane	Lab Fort Blank Amt.	38.8	ug/m3	
		Lab Fort Blk. Found	41.7	ug/m3	
		Lab Fort Blk. % Rec.	107.5	%	70-130



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 9/21/2005

Lims Bat #: LIMS-91746

Page 5 of 7

QC Batch Number: BATCH-9814

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-44969	Chloroethane	Lab Fort Blank Amt.	26.4	ug/m3	
		Lab Fort Blk. Found	26.9	ug/m3	
		Lab Fort Blk. % Rec.	102.0	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	45.4	ug/m3	
		Lab Fort Blk. Found	44.1	ug/m3	
		Lab Fort Blk. % Rec.	97.1	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	45.4	ug/m3	
		Lab Fort Blk. Found	46.6	ug/m3	
		Lab Fort Blk. % Rec.	102.6	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	85.2	ug/m3	
		Lab Fort Blk. Found	94.0	ug/m3	
		Lab Fort Blk. % Rec.	110.3	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	54.6	ug/m3	
		Lab Fort Blk. Found	52.2	ug/m3	
		Lab Fort Blk. % Rec.	95.6	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	68.7	ug/m3	
		Lab Fort Blk. Found	66.7	ug/m3	
		Lab Fort Blk. % Rec.	97.2	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	106.7	ug/m3	
		Lab Fort Blk. Found	113.7	ug/m3	
		Lab Fort Blk. % Rec.	106.6	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	74.2	ug/m3	
		Lab Fort Blk. Found	75.0	ug/m3	
		Lab Fort Blk. % Rec.	101.0	%	70-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	49.2	ug/m3	
		Lab Fort Blk. Found	51.2	ug/m3	
		Lab Fort Blk. % Rec.	104.1	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	49.2	ug/m3	
		Lab Fort Blk. Found	50.3	ug/m3	
		Lab Fort Blk. % Rec.	102.4	%	70-130
	Cyclohexane	Lab Fort Blank Amt.	34.4	ug/m3	
		Lab Fort Blk. Found	30.6	ug/m3	
		Lab Fort Blk. % Rec.	88.8	%	50-150
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	39.7	ug/m3	
		Lab Fort Blk. Found	37.9	ug/m3	
		Lab Fort Blk. % Rec.	95.7	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	46.2	ug/m3	
		Lab Fort Blk. Found	42.1	ug/m3	
		Lab Fort Blk. % Rec.	91.2	%	70-130
	Dichlorodifluoromethane	Lab Fort Blank Amt.	49.5	ug/m3	
		Lab Fort Blk. Found	57.9	ug/m3	
		Lab Fort Blk. % Rec.	117.1	%	70-130
	Benzyl Chloride	Lab Fort Blank Amt.	51.8	ug/m3	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Standard Reference Materials and Duplicates
Method Blanks

Report Date: 9/21/2005

Lims Bat # : LIMS-91746

Page 6 of 7

QC Batch Number: BATCH-9814

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-44969	Benzyl Chloride	Lab Fort Blk. Found	56.6	ug/m3	
		Lab Fort Blk. % Rec.	109.3	%	70-130
	Carbon Disulfide	Lab Fort Blank Amt.	31.1	ug/m3	
		Lab Fort Blk. Found	30.2	ug/m3	
		Lab Fort Blk. % Rec.	97.1	%	70-130
	Vinyl Acetate	Lab Fort Blank Amt.	35.2	ug/m3	
		Lab Fort Blk. Found	30.6	ug/m3	
		Lab Fort Blk. % Rec.	86.9	%	70-130
	2-Hexanone	Lab Fort Blank Amt.	41.0	ug/m3	
		Lab Fort Blk. Found	39.6	ug/m3	
		Lab Fort Blk. % Rec.	96.7	%	50-150
	Bromodichloromethane	Lab Fort Blank Amt.	67.0	ug/m3	
		Lab Fort Blk. Found	68.6	ug/m3	
		Lab Fort Blk. % Rec.	102.4	%	70-130
	1,2-Dibromoethane	Lab Fort Blank Amt.	76.9	ug/m3	
		Lab Fort Blk. Found	76.9	ug/m3	
		Lab Fort Blk. % Rec.	100.0	%	70-130
	n-Heptane	Lab Fort Blank Amt.	41.0	ug/m3	
		Lab Fort Blk. Found	36.4	ug/m3	
		Lab Fort Blk. % Rec.	88.9	%	50-150
	1,2-Dichlorotetrafluoroethane (114)	Lab Fort Blank Amt.	69.9	ug/m3	
		Lab Fort Blk. Found	78.9	ug/m3	
		Lab Fort Blk. % Rec.	112.8	%	70-130
	Tetrahydrofuran	Lab Fort Blank Amt.	29.5	ug/m3	
		Lab Fort Blk. Found	26.2	ug/m3	
		Lab Fort Blk. % Rec.	88.7	%	50-150
	Propene	Lab Fort Blank Amt.	17.2	ug/m3	
		Lab Fort Blk. Found	17.3	ug/m3	
		Lab Fort Blk. % Rec.	100.8	%	50-150
	1,3-Butadiene	Lab Fort Blank Amt.	22.1	ug/m3	
		Lab Fort Blk. Found	23.1	ug/m3	
		Lab Fort Blk. % Rec.	104.3	%	70-130



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QC SUMMARY REPORT

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BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 9/21/2005

Lims Bat #: LIMS-91746

Page 7 of 7

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken though all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries



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REPORT DATE 9/21/2005

MACTEC ENGINEERING & CONSULTING - AZ
3630 EAST WIER AVENUE
PHOENIX, AZ 85040
ATTN: JIM CLARKE

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-91746

JOB NUMBER: -

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: SOUTH MESA

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST
*EFF	05B36847	AIR	CT1077	to-15 ppbv
*EFF	05B36847	AIR	CT1077	to-15 ug/m3
*INF	05B36849	AIR	CT1083	to-15 ppbv
*INF	05B36849	AIR	CT1083	to-15 ug/m3
*INT	05B36848	AIR	CT1081	to-15 ppbv
*INT	05B36848	AIR	CT1081	to-15 ug/m3
*VW-5AB	05B36850	AIR	CT1135	to-15 ppbv
*VW-5AB	05B36850	AIR	CT1135	to-15 ug/m3
*VW-7B	05B36851	AIR	CT11405	to-15 ppbv
*VW-7B	05B36851	AIR	CT11405	to-15 ug/m3

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations :

AIHA 100033	AIHA ELLAP (LEAD) 100033	
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	ARIZONA AZ0648
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	ARIZONA AZ0654 (AIR)

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Edward Denson 9/21/05

SIGNATURE

DATE

Tod Kopycinski
Director of Operations

Sondra S. Kocot
Quality Control Coordinator

Edward Denson
Technical Director

* See end of data tabulation for notes and comments pertaining to this sample



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JIM CLARKE
MACTEC ENGINEERING & CONSULTING - AZ
3630 EAST WIER AVENUE
PHOENIX, AZ 85040

9/21/2005
Page 1 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 9/14/2005
Field Sample #: EFF

LIMS-BAT #: LIMS-91746
Job Number: -

Sample ID : *05B36847

Sampled : 9/13/2005
CT1077

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Acetone	PPBv	ND	09/19/05	WSD	10.			
Benzene	PPBv	ND	09/19/05	WSD	10.			
Benzyl Chloride	PPBv	ND	09/19/05	WSD	10.			
Bromodichloromethane	PPBv	ND	09/19/05	WSD	10.			
Bromomethane	PPBv	ND	09/19/05	WSD	10.			
1,3-Butadiene	PPBv	ND	09/19/05	WSD	10.			
2-Butanone (MEK)	PPBv	ND	09/19/05	WSD	10.			
Carbon Disulfide	PPBv	ND	09/19/05	WSD	10.			
Carbon Tetrachloride	PPBv	ND	09/19/05	WSD	10.			
Chlorobenzene	PPBv	ND	09/19/05	WSD	10.			
Chlorodibromomethane	PPBv	ND	09/19/05	WSD	10.			
Chloroethane	PPBv	ND	09/19/05	WSD	10.			
Chloroform	PPBv	ND	09/19/05	WSD	10.			
Chloromethane	PPBv	ND	09/19/05	WSD	10.			
Cyclohexane	PPBv	ND	09/19/05	WSD	10.			
1,2-Dibromoethane	PPBv	ND	09/19/05	WSD	10.			
1,2-Dichlorobenzene	PPBv	ND	09/19/05	WSD	10.			
1,3-Dichlorobenzene	PPBv	ND	09/19/05	WSD	10.			
1,4-Dichlorobenzene	PPBv	ND	09/19/05	WSD	10.			
Dichlorodifluoromethane	PPBv	ND	09/19/05	WSD	10.			
1,1-Dichloroethane	PPBv	ND	09/19/05	WSD	10.			
1,2-Dichloroethane	PPBv	ND	09/19/05	WSD	10.			
1,1-Dichloroethylene	PPBv	ND	09/19/05	WSD	10.			
cis-1,2-Dichloroethylene	PPBv	ND	09/19/05	WSD	10.			
t-1,2-Dichloroethylene	PPBv	ND	09/19/05	WSD	10.			
1,2-Dichloropropane	PPBv	ND	09/19/05	WSD	10.			
cis-1,3-Dichloropropene	PPBv	ND	09/19/05	WSD	10.			
trans-1,3-Dichloropropene	PPBv	ND	09/19/05	WSD	10.			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	09/19/05	WSD	10.			
Ethanol	PPBv	ND	09/19/05	WSD	10.			

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JIM CLARKE

MACTEC ENGINEERING & CONSULTING - AZ

3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Purchase Order No.:

9/21/2005

Page 2 of 31

Project Location: SOUTH MESA

Date Received: 9/14/2005

Field Sample #: EFF

LIMS-BAT #: LIMS-91746

Job Number: -

Sample ID : *05B36847

Sampled : 9/13/2005

CT1077

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	PPBv	ND	09/19/05	WSD	10.		
Ethylbenzene	PPBv	ND	09/19/05	WSD	10.		
4-Ethyl Toluene	PPBv	ND	09/19/05	WSD	10.		
n-Heptane	PPBv	ND	09/19/05	WSD	10.		
Hexachlorobutadiene	PPBv	ND	09/19/05	WSD	10.		
Hexane	PPBv	ND	09/19/05	WSD	10.		
2-Hexanone	PPBv	ND	09/19/05	WSD	10.		
Isopropanol	PPBv	ND	09/19/05	WSD	10.		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	09/19/05	WSD	10.		
Methylene Chloride	PPBv	20.	09/19/05	WSD	10.		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	09/19/05	WSD	10.		
Propene	PPBv	ND	09/19/05	WSD	10.		
Styrene	PPBv	ND	09/19/05	WSD	10.		
1,1,2,2-Tetrachloroethane	PPBv	ND	09/19/05	WSD	10.		
Tetrachloroethylene	PPBv	ND	09/19/05	WSD	10.		
Tetrahydrofuran	PPBv	ND	09/19/05	WSD	10.		
Toluene	PPBv	ND	09/19/05	WSD	10.		
1,2,4-Trichlorobenzene	PPBv	ND	09/19/05	WSD	10.		
1,1,1-Trichloroethane	PPBv	ND	09/19/05	WSD	10.		
1,1,2-Trichloroethane	PPBv	ND	09/19/05	WSD	10.		
Trichloroethylene	PPBv	ND	09/19/05	WSD	10.		
Trichlorofluoromethane (Freon 11)	PPBv	ND	09/19/05	WSD	10.		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	09/19/05	WSD	10.		
1,2,4-Trimethylbenzene	PPBv	ND	09/19/05	WSD	10.		
1,3,5-Trimethylbenzene	PPBv	ND	09/19/05	WSD	10.		
Vinyl Acetate	PPBv	ND	09/19/05	WSD	10.		
Vinyl Chloride	PPBv	ND	09/19/05	WSD	10.		
m/p-Xylene	PPBv	ND	09/19/05	WSD	20.		
o-Xylene	PPBv	ND	09/19/05	WSD	10.		

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PHOENIX, AZ 85040

Purchase Order No.:

9/21/2005

Page 3 of 31

Project Location: SOUTH MESA

Date Received: 9/14/2005

Field Sample #: EFF

LIMS-BAT #: LIMS-91746

Job Number: -

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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PHOENIX, AZ 85040

Purchase Order No.:

9/21/2005

Page 4 of 31

Project Location: SOUTH MESA

Date Received: 9/14/2005

Field Sample #: INF

LIMS-BAT #: LIMS-91746

Job Number: -

Sample ID: *05B36849

Sampled: 9/13/2005

CT1083

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	PPBv	ND	09/19/05	WSD	10.		
Benzene	PPBv	ND	09/19/05	WSD	10.		
Benzyl Chloride	PPBv	ND	09/19/05	WSD	10.		
Bromodichloromethane	PPBv	ND	09/19/05	WSD	10.		
Bromomethane	PPBv	ND	09/19/05	WSD	10.		
1,3-Butadiene	PPBv	ND	09/19/05	WSD	10.		
2-Butanone (MEK)	PPBv	ND	09/19/05	WSD	10.		
Carbon Disulfide	PPBv	ND	09/19/05	WSD	10.		
Carbon Tetrachloride	PPBv	ND	09/19/05	WSD	10.		
Chlorobenzene	PPBv	ND	09/19/05	WSD	10.		
Chlorodibromomethane	PPBv	ND	09/19/05	WSD	10.		
Chloroethane	PPBv	ND	09/19/05	WSD	10.		
Chloroform	PPBv	ND	09/19/05	WSD	10.		
Chloromethane	PPBv	ND	09/19/05	WSD	10.		
Cyclohexane	PPBv	ND	09/19/05	WSD	10.		
1,2-Dibromoethane	PPBv	ND	09/19/05	WSD	10.		
1,2-Dichlorobenzene	PPBv	ND	09/19/05	WSD	10.		
1,3-Dichlorobenzene	PPBv	ND	09/19/05	WSD	10.		
1,4-Dichlorobenzene	PPBv	ND	09/19/05	WSD	10.		
Dichlorodifluoromethane	PPBv	ND	09/19/05	WSD	10.		
1,1-Dichloroethane	PPBv	ND	09/19/05	WSD	10.		
1,2-Dichloroethane	PPBv	ND	09/19/05	WSD	10.		
1,1-Dichloroethylene	PPBv	ND	09/19/05	WSD	10.		
cis-1,2-Dichloroethylene	PPBv	ND	09/19/05	WSD	10.		
t-1,2-Dichloroethylene	PPBv	ND	09/19/05	WSD	10.		
1,2-Dichloropropane	PPBv	ND	09/19/05	WSD	10.		
cis-1,3-Dichloropropene	PPBv	ND	09/19/05	WSD	10.		
trans-1,3-Dichloropropene	PPBv	ND	09/19/05	WSD	10.		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	09/19/05	WSD	10.		
Ethanol	PPBv	ND	09/19/05	WSD	10.		

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9/21/2005
Page 5 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 9/14/2005
Field Sample #: INF

LIMS-BAT #: LIMS-91746
Job Number: -

Sample ID : *05B36849

Sampled : 9/13/2005
CT1083

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	PPBv	ND	09/19/05	WSD	10.		
Ethylbenzene	PPBv	ND	09/19/05	WSD	10.		
4-Ethyl Toluene	PPBv	ND	09/19/05	WSD	10.		
n-Heptane	PPBv	ND	09/19/05	WSD	10.		
Hexachlorobutadiene	PPBv	ND	09/19/05	WSD	10.		
Hexane	PPBv	ND	09/19/05	WSD	10.		
2-Hexanone	PPBv	ND	09/19/05	WSD	10.		
Isopropanol	PPBv	ND	09/19/05	WSD	10.		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	09/19/05	WSD	10.		
Methylene Chloride	PPBv	ND	09/19/05	WSD	10.		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	09/19/05	WSD	10.		
Propene	PPBv	ND	09/19/05	WSD	10.		
Styrene	PPBv	ND	09/19/05	WSD	10.		
1,1,2,2-Tetrachloroethane	PPBv	ND	09/19/05	WSD	10.		
Tetrachloroethylene	PPBv	230	09/19/05	WSD	10.		
Tetrahydrofuran	PPBv	ND	09/19/05	WSD	10.		
Toluene	PPBv	ND	09/19/05	WSD	10.		
1,2,4-Trichlorobenzene	PPBv	ND	09/19/05	WSD	10.		
1,1,1-Trichloroethane	PPBv	ND	09/19/05	WSD	10.		
1,1,2-Trichloroethane	PPBv	ND	09/19/05	WSD	10.		
Trichloroethylene	PPBv	ND	09/19/05	WSD	10.		
Trichlorofluoromethane (Freon 11)	PPBv	ND	09/19/05	WSD	10.		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	09/19/05	WSD	10.		
1,2,4-Trimethylbenzene	PPBv	ND	09/19/05	WSD	10.		
1,3,5-Trimethylbenzene	PPBv	ND	09/19/05	WSD	10.		
Vinyl Acetate	PPBv	ND	09/19/05	WSD	10.		
Vinyl Chloride	PPBv	ND	09/19/05	WSD	10.		
m/p-Xylene	PPBv	ND	09/19/05	WSD	20.		
o-Xylene	PPBv	ND	09/19/05	WSD	10.		

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PHOENIX, AZ 85040

9/21/2005

Page 6 of 31

Purchase Order No.:

Project Location: SOUTH MESA

Date Received: 9/14/2005

LIMS-BAT #: LIMS-91746

Job Number: -

Field Sample #: INF

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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9/21/2005
 Page 7 of 31

Purchase Order No.:

Project Location: SOUTH MESA
 Date Received: 9/14/2005
 Field Sample #: INT

LIMS-BAT #: LIMS-91746
 Job Number: -

Sample ID : *05B36848

Sampled : 9/13/2005
 CT1081

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Acetone	PPBv	ND	09/19/05	WSD	10.			
Benzene	PPBv	ND	09/19/05	WSD	10.			
Benzyl Chloride	PPBv	ND	09/19/05	WSD	10.			
Bromodichloromethane	PPBv	ND	09/19/05	WSD	10.			
Bromomethane	PPBv	ND	09/19/05	WSD	10.			
1,3-Butadiene	PPBv	ND	09/19/05	WSD	10.			
2-Butanone (MEK)	PPBv	ND	09/19/05	WSD	10.			
Carbon Disulfide	PPBv	ND	09/19/05	WSD	10.			
Carbon Tetrachloride	PPBv	ND	09/19/05	WSD	10.			
Chlorobenzene	PPBv	ND	09/19/05	WSD	10.			
Chlorodibromomethane	PPBv	ND	09/19/05	WSD	10.			
Chloroethane	PPBv	ND	09/19/05	WSD	10.			
Chloroform	PPBv	ND	09/19/05	WSD	10.			
Chloromethane	PPBv	ND	09/19/05	WSD	10.			
Cyclohexane	PPBv	ND	09/19/05	WSD	10.			
1,2-Dibromoethane	PPBv	ND	09/19/05	WSD	10.			
1,2-Dichlorobenzene	PPBv	ND	09/19/05	WSD	10.			
1,3-Dichlorobenzene	PPBv	ND	09/19/05	WSD	10.			
1,4-Dichlorobenzene	PPBv	ND	09/19/05	WSD	10.			
Dichlorodifluoromethane	PPBv	ND	09/19/05	WSD	10.			
1,1-Dichloroethane	PPBv	ND	09/19/05	WSD	10.			
1,2-Dichloroethane	PPBv	ND	09/19/05	WSD	10.			
1,1-Dichloroethylene	PPBv	ND	09/19/05	WSD	10.			
cis-1,2-Dichloroethylene	PPBv	ND	09/19/05	WSD	10.			
t-1,2-Dichloroethylene	PPBv	ND	09/19/05	WSD	10.			
1,2-Dichloropropane	PPBv	ND	09/19/05	WSD	10.			
cis-1,3-Dichloropropene	PPBv	ND	09/19/05	WSD	10.			
trans-1,3-Dichloropropene	PPBv	ND	09/19/05	WSD	10.			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	09/19/05	WSD	10.			
Ethanol	PPBv	ND	09/19/05	WSD	10.			

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MACTEC ENGINEERING & CONSULTING - AZ

3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Purchase Order No.:

9/21/2005

Page 8 of 31

Project Location: SOUTH MESA

Date Received: 9/14/2005

Field Sample #: INT

LIMS-BAT #: LIMS-91746

Job Number: -

Sample ID: *05B36848

Sampled: 9/13/2005

CT1081

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	PPBv	ND	09/19/05	WSD	10.		
Ethylbenzene	PPBv	ND	09/19/05	WSD	10.		
4-Ethyl Toluene	PPBv	ND	09/19/05	WSD	10.		
n-Heptane	PPBv	ND	09/19/05	WSD	10.		
Hexachlorobutadiene	PPBv	ND	09/19/05	WSD	10.		
Hexane	PPBv	ND	09/19/05	WSD	10.		
2-Hexanone	PPBv	ND	09/19/05	WSD	10.		
Isopropanol	PPBv	ND	09/19/05	WSD	10.		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	09/19/05	WSD	10.		
Methylene Chloride	PPBv	ND	09/19/05	WSD	10.		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	09/19/05	WSD	10.		
Propene	PPBv	ND	09/19/05	WSD	10.		
Styrene	PPBv	ND	09/19/05	WSD	10.		
1,1,2,2-Tetrachloroethane	PPBv	ND	09/19/05	WSD	10.		
Tetrachloroethylene	PPBv	140	09/19/05	WSD	10.		
Tetrahydrofuran	PPBv	ND	09/19/05	WSD	10.		
Toluene	PPBv	ND	09/19/05	WSD	10.		
1,2,4-Trichlorobenzene	PPBv	ND	09/19/05	WSD	10.		
1,1,1-Trichloroethane	PPBv	ND	09/19/05	WSD	10.		
1,1,2-Trichloroethane	PPBv	ND	09/19/05	WSD	10.		
Trichloroethylene	PPBv	ND	09/19/05	WSD	10.		
Trichlorofluoromethane (Freon 11)	PPBv	ND	09/19/05	WSD	10.		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	09/19/05	WSD	10.		
1,2,4-Trimethylbenzene	PPBv	ND	09/19/05	WSD	10.		
1,3,5-Trimethylbenzene	PPBv	ND	09/19/05	WSD	10.		
Vinyl Acetate	PPBv	ND	09/19/05	WSD	10.		
Vinyl Chloride	PPBv	ND	09/19/05	WSD	10.		
m/p-Xylene	PPBv	ND	09/19/05	WSD	20.		
o-Xylene	PPBv	ND	09/19/05	WSD	10.		

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PHOENIX, AZ 85040

9/21/2005
Page 9 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 9/14/2005
Field Sample #: INT

LIMS-BAT #: LIMS-91746
Job Number: -

Analytical Method:
EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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PHOENIX, AZ 85040

9/21/2005
Page 10 of 31

Purchase Order No.:

Project Location: SOUTH MESA

LIMS-BAT #: LIMS-91746

Date Received: 9/14/2005

Job Number: -

Field Sample #: VW-5AB

Sample ID: *05B36850

Sampled: 9/13/2005

CT1135

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/F
Acetone	PPBv	ND	09/19/05	WSD	10.		
Benzene	PPBv	ND	09/19/05	WSD	10.		
Benzyl Chloride	PPBv	ND	09/19/05	WSD	10.		
Bromodichloromethane	PPBv	ND	09/19/05	WSD	10.		
Bromomethane	PPBv	ND	09/19/05	WSD	10.		
1,3-Butadiene	PPBv	ND	09/19/05	WSD	10.		
2-Butanone (MEK)	PPBv	ND	09/19/05	WSD	10.		
Carbon Disulfide	PPBv	ND	09/19/05	WSD	10.		
Carbon Tetrachloride	PPBv	ND	09/19/05	WSD	10.		
Chlorobenzene	PPBv	ND	09/19/05	WSD	10.		
Chlorodibromomethane	PPBv	ND	09/19/05	WSD	10.		
Chloroethane	PPBv	ND	09/19/05	WSD	10.		
Chloroform	PPBv	13.	09/19/05	WSD	10.		
Chloromethane	PPBv	ND	09/19/05	WSD	10.		
Cyclohexane	PPBv	ND	09/19/05	WSD	10.		
1,2-Dibromoethane	PPBv	ND	09/19/05	WSD	10.		
1,2-Dichlorobenzene	PPBv	ND	09/19/05	WSD	10.		
1,3-Dichlorobenzene	PPBv	ND	09/19/05	WSD	10.		
1,4-Dichlorobenzene	PPBv	ND	09/19/05	WSD	10.		
Dichlorodifluoromethane	PPBv	ND	09/19/05	WSD	10.		
1,1-Dichloroethane	PPBv	ND	09/19/05	WSD	10.		
1,2-Dichloroethane	PPBv	ND	09/19/05	WSD	10.		
1,1-Dichloroethylene	PPBv	ND	09/19/05	WSD	10.		
cis-1,2-Dichloroethylene	PPBv	34.	09/19/05	WSD	10.		
t-1,2-Dichloroethylene	PPBv	ND	09/19/05	WSD	10.		
1,2-Dichloropropane	PPBv	ND	09/19/05	WSD	10.		
cis-1,3-Dichloropropene	PPBv	ND	09/19/05	WSD	10.		
trans-1,3-Dichloropropene	PPBv	ND	09/19/05	WSD	10.		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	09/19/05	WSD	10.		
Ethanol	PPBv	ND	09/19/05	WSD	10.		

RL = Reporting Limit

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

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 PHOENIX, AZ 85040

9/21/2005
 Page 11 of 31

Purchase Order No.:

Project Location: SOUTH MESA
 Date Received: 9/14/2005
 Field Sample #: VW-5AB
 Sample ID: *05B36850

LIMS-BAT #: LIMS-91746
 Job Number: -

Sampled: 9/13/2005
 CT1135

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Ethyl Acetate	PPBv	ND	09/19/05	WSD	10.		
Ethylbenzene	PPBv	ND	09/19/05	WSD	10.		
4-Ethyl Toluene	PPBv	ND	09/19/05	WSD	10.		
n-Heptane	PPBv	ND	09/19/05	WSD	10.		
Hexachlorobutadiene	PPBv	ND	09/19/05	WSD	10.		
Hexane	PPBv	ND	09/19/05	WSD	10.		
2-Hexanone	PPBv	ND	09/19/05	WSD	10.		
Isopropanol	PPBv	ND	09/19/05	WSD	10.		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	09/19/05	WSD	10.		
Methylene Chloride	PPBv	ND	09/19/05	WSD	10.		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	09/19/05	WSD	10.		
Propene	PPBv	ND	09/19/05	WSD	10.		
Styrene	PPBv	ND	09/19/05	WSD	10.		
1,1,2,2-Tetrachloroethane	PPBv	ND	09/19/05	WSD	10.		
Tetrachloroethylene	PPBv	110	09/19/05	WSD	10.		
Tetrahydrofuran	PPBv	ND	09/19/05	WSD	10.		
Toluene	PPBv	ND	09/19/05	WSD	10.		
1,2,4-Trichlorobenzene	PPBv	ND	09/19/05	WSD	10.		
1,1,1-Trichloroethane	PPBv	ND	09/19/05	WSD	10.		
1,1,2-Trichloroethane	PPBv	ND	09/19/05	WSD	10.		
Trichloroethylene	PPBv	ND	09/19/05	WSD	10.		
Trichlorofluoromethane (Freon 11)	PPBv	ND	09/19/05	WSD	10.		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	09/19/05	WSD	10.		
1,2,4-Trimethylbenzene	PPBv	ND	09/19/05	WSD	10.		
1,3,5-Trimethylbenzene	PPBv	ND	09/19/05	WSD	10.		
Vinyl Acetate	PPBv	ND	09/19/05	WSD	10.		
Vinyl Chloride	PPBv	ND	09/19/05	WSD	10.		
m/p-Xylene	PPBv	ND	09/19/05	WSD	20.		
o-Xylene	PPBv	ND	09/19/05	WSD	10.		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



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PHOENIX, AZ 85040

Purchase Order No.:

9/21/2005

Page 12 of 31

Project Location: SOUTH MESA

Date Received: 9/14/2005

Field Sample #: VW-5AB

LIMS-BAT #: LIMS-91746

Job Number: -

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

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9/21/2005
Page 13 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 9/14/2005
Field Sample #: VW-7B

LIMS-BAT #: LIMS-91746
Job Number: -

Sample ID : *05B36851

Sampled : 9/13/2005
CT11405

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	PPBv	ND	09/20/05	WSD	20.			
Benzene	PPBv	ND	09/20/05	WSD	20.			
Benzyl Chloride	PPBv	ND	09/20/05	WSD	20.			
Bromodichloromethane	PPBv	ND	09/20/05	WSD	20.			
Bromomethane	PPBv	ND	09/20/05	WSD	20.			
1,3-Butadiene	PPBv	ND	09/20/05	WSD	20.			
2-Butanone (MEK)	PPBv	ND	09/20/05	WSD	20.			
Carbon Disulfide	PPBv	ND	09/20/05	WSD	20.			
Carbon Tetrachloride	PPBv	ND	09/20/05	WSD	20.			
Chlorobenzene	PPBv	ND	09/20/05	WSD	20.			
Chlorodibromomethane	PPBv	ND	09/20/05	WSD	20.			
Chloroethane	PPBv	ND	09/20/05	WSD	20.			
Chloroform	PPBv	ND	09/20/05	WSD	20.			
Chloromethane	PPBv	ND	09/20/05	WSD	20.			
Cyclohexane	PPBv	ND	09/20/05	WSD	20.			
1,2-Dibromoethane	PPBv	ND	09/20/05	WSD	20.			
1,2-Dichlorobenzene	PPBv	ND	09/20/05	WSD	20.			
1,3-Dichlorobenzene	PPBv	ND	09/20/05	WSD	20.			
1,4-Dichlorobenzene	PPBv	ND	09/20/05	WSD	20.			
Dichlorodifluoromethane	PPBv	ND	09/20/05	WSD	20.			
1,1-Dichloroethane	PPBv	45.	09/20/05	WSD	20.			
1,2-Dichloroethane	PPBv	ND	09/20/05	WSD	20.			
1,1-Dichloroethylene	PPBv	39.	09/20/05	WSD	20.			
cis-1,2-Dichloroethylene	PPBv	ND	09/20/05	WSD	20.			
t-1,2-Dichloroethylene	PPBv	ND	09/20/05	WSD	20.			
1,2-Dichloropropane	PPBv	ND	09/20/05	WSD	20.			
cis-1,3-Dichloropropene	PPBv	ND	09/20/05	WSD	20.			
trans-1,3-Dichloropropene	PPBv	ND	09/20/05	WSD	20.			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	09/20/05	WSD	20.			
Ethanol	PPBv	ND	09/20/05	WSD	20.			

RL = Reporting Limit

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9/21/2005
Page 14 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 9/14/2005
Field Sample #: VW-7B

LIMS-BAT #: LIMS-91746
Job Number: -

Sample ID: *05B36851

Sampled: 9/13/2005
CT11405

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Ethyl Acetate	PPBv	ND	09/20/05	WSD	20.		
Ethylbenzene	PPBv	ND	09/20/05	WSD	20.		
4-Ethyl Toluene	PPBv	ND	09/20/05	WSD	20.		
n-Heptane	PPBv	ND	09/20/05	WSD	20.		
Hexachlorobutadiene	PPBv	ND	09/20/05	WSD	20.		
Hexane	PPBv	ND	09/20/05	WSD	20.		
2-Hexanone	PPBv	ND	09/20/05	WSD	20.		
Isopropanol	PPBv	ND	09/20/05	WSD	20.		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	09/20/05	WSD	20.		
Methylene Chloride	PPBv	ND	09/20/05	WSD	20.		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	09/20/05	WSD	20.		
Propene	PPBv	ND	09/20/05	WSD	20.		
Styrene	PPBv	ND	09/20/05	WSD	20.		
1,1,2,2-Tetrachloroethane	PPBv	ND	09/20/05	WSD	20.		
Tetrachloroethylene	PPBv	1000	09/20/05	WSD	20.		
Tetrahydrofuran	PPBv	ND	09/20/05	WSD	20.		
Toluene	PPBv	ND	09/20/05	WSD	20.		
1,2,4-Trichlorobenzene	PPBv	ND	09/20/05	WSD	20.		
1,1,1-Trichloroethane	PPBv	ND	09/20/05	WSD	20.		
1,1,2-Trichloroethane	PPBv	ND	09/20/05	WSD	20.		
Trichloroethylene	PPBv	ND	09/20/05	WSD	20.		
Trichlorofluoromethane (Freon 11)	PPBv	ND	09/20/05	WSD	20.		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	09/20/05	WSD	20.		
1,2,4-Trimethylbenzene	PPBv	ND	09/20/05	WSD	20.		
1,3,5-Trimethylbenzene	PPBv	ND	09/20/05	WSD	20.		
Vinyl Acetate	PPBv	ND	09/20/05	WSD	20.		
Vinyl Chloride	PPBv	ND	09/20/05	WSD	20.		
m/p-Xylene	PPBv	ND	09/20/05	WSD	40.		
o-Xylene	PPBv	ND	09/20/05	WSD	20.		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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Purchase Order No.:

9/21/2005

Page 15 of 31

Project Location: SOUTH MESA

Date Received: 9/14/2005

Field Sample #: VW-7B

LIMS-BAT #: LIMS-91746

Job Number: -

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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9/21/2005
Page 16 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 9/14/2005
Field Sample #: EFF

LIMS-BAT #: LIMS-91746
Job Number: -

Sample ID: *05B36847

Sampled: 9/13/2005
CT1077

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	ND	09/19/05	WSD	24.		
Benzene	ug/m3	ND	09/19/05	WSD	32.		
Benzyl Chloride	ug/m3	ND	09/19/05	WSD	52.		
Bromodichloromethane	ug/m3	ND	09/19/05	WSD	68.		
Bromomethane	ug/m3	ND	09/19/05	WSD	39.		
1,3-Butadiene	ug/m3	ND	09/19/05	WSD	22.		
2-Butanone (MEK)	ug/m3	ND	09/19/05	WSD	30.		
Carbon Disulfide	ug/m3	ND	09/19/05	WSD	32.		
Carbon Tetrachloride	ug/m3	ND	09/19/05	WSD	62.		
Chlorobenzene	ug/m3	ND	09/19/05	WSD	46.		
Chlorodibromomethane	ug/m3	ND	09/19/05	WSD	86.		
Chloroethane	ug/m3	ND	09/19/05	WSD	27.		
Chloroform	ug/m3	ND	09/19/05	WSD	49.		
Chloromethane	ug/m3	ND	09/19/05	WSD	21.		
Cyclohexane	ug/m3	ND	09/19/05	WSD	34.		
1,2-Dibromoethane	ug/m3	ND	09/19/05	WSD	77.		
1,2-Dichlorobenzene	ug/m3	ND	09/19/05	WSD	61.		
1,3-Dichlorobenzene	ug/m3	ND	09/19/05	WSD	61.		
1,4-Dichlorobenzene	ug/m3	ND	09/19/05	WSD	61.		
Dichlorodifluoromethane	ug/m3	ND	09/19/05	WSD	50.		
1,1-Dichloroethane	ug/m3	ND	09/19/05	WSD	41.		
1,2-Dichloroethane	ug/m3	ND	09/19/05	WSD	41.		
1,1-Dichloroethylene	ug/m3	ND	09/19/05	WSD	40.		
cis-1,2-Dichloroethylene	ug/m3	ND	09/19/05	WSD	40.		
t-1,2-Dichloroethylene	ug/m3	ND	09/19/05	WSD	40.		
1,2-Dichloropropane	ug/m3	ND	09/19/05	WSD	47.		
cis-1,3-Dichloropropene	ug/m3	ND	09/19/05	WSD	46.		
trans-1,3-Dichloropropene	ug/m3	ND	09/19/05	WSD	46.		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	09/19/05	WSD	70.		
Ethanol	ug/m3	ND	09/19/05	WSD	18.		

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9/21/2005
 Page 17 of 31

Purchase Order No.:

Project Location: SOUTH MESA
 Date Received: 9/14/2005
 Field Sample #: EFF

LIMS-BAT #: LIMS-91746
 Job Number: -

Sample ID : *05B36847

Sampled : 9/13/2005
 CT1077

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	09/19/05	WSD	36.		
Ethylbenzene	ug/m3	ND	09/19/05	WSD	44.		
4-Ethyl Toluene	ug/m3	ND	09/19/05	WSD	50.		
n-Heptane	ug/m3	ND	09/19/05	WSD	40.		
Hexachlorobutadiene	ug/m3	ND	09/19/05	WSD	110		
Hexane	ug/m3	ND	09/19/05	WSD	36.		
2-Hexanone	ug/m3	ND	09/19/05	WSD	40.		
Isopropanol	ug/m3	ND	09/19/05	WSD	24.		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	09/19/05	WSD	36.		
Methylene Chloride	ug/m3	71.	09/19/05	WSD	35.		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	09/19/05	WSD	40.		
Propene	ug/m3	ND	09/19/05	WSD	18.		
Styrene	ug/m3	ND	09/19/05	WSD	43.		
1,1,2,2-Tetrachloroethane	ug/m3	ND	09/19/05	WSD	69.		
Tetrachloroethylene	ug/m3	ND	09/19/05	WSD	68.		
Tetrahydrofuran	ug/m3	ND	09/19/05	WSD	30.		
Toluene	ug/m3	ND	09/19/05	WSD	38.		
1,2,4-Trichlorobenzene	ug/m3	ND	09/19/05	WSD	75.		
1,1,1-Trichloroethane	ug/m3	ND	09/19/05	WSD	55.		
1,1,2-Trichloroethane	ug/m3	ND	09/19/05	WSD	55.		
Trichloroethylene	ug/m3	ND	09/19/05	WSD	54.		
Trichlorofluoromethane	ug/m3	ND	09/19/05	WSD	57.		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	09/19/05	WSD	77.		
1,2,4-Trimethylbenzene	ug/m3	ND	09/19/05	WSD	50.		
1,3,5-Trimethylbenzene	ug/m3	ND	09/19/05	WSD	50.		
Vinyl Acetate	ug/m3	ND	09/19/05	WSD	36.		
Vinyl Chloride	ug/m3	ND	09/19/05	WSD	26.		
m/p-Xylene	ug/m3	ND	09/19/05	WSD	87.		
o-Xylene	ug/m3	ND	09/19/05	WSD	44.		

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Purchase Order No.:

9/21/2005

Page 18 of 31

Project Location: SOUTH MESA

Date Received: 9/14/2005

LIMS-BAT #: LIMS-91746

Job Number: -

Field Sample #: EFF

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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9/21/2005
 Page 19 of 31

Purchase Order No.:

Project Location: SOUTH MESA
 Date Received: 9/14/2005
 Field Sample #: INF

LIMS-BAT #: LIMS-91746
 Job Number: -

Sample ID : 05B36849

Sampled : 9/13/2005
 CT1083

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	ND	09/19/05	WSD	24.		
Benzene	ug/m3	ND	09/19/05	WSD	32.		
Benzyl Chloride	ug/m3	ND	09/19/05	WSD	52.		
Bromodichloromethane	ug/m3	ND	09/19/05	WSD	68.		
Bromomethane	ug/m3	ND	09/19/05	WSD	39.		
1,3-Butadiene	ug/m3	ND	09/19/05	WSD	22.		
2-Butanone (MEK)	ug/m3	ND	09/19/05	WSD	30.		
Carbon Disulfide	ug/m3	ND	09/19/05	WSD	32.		
Carbon Tetrachloride	ug/m3	ND	09/19/05	WSD	62.		
Chlorobenzene	ug/m3	ND	09/19/05	WSD	46.		
Chlorodibromomethane	ug/m3	ND	09/19/05	WSD	86.		
Chloroethane	ug/m3	ND	09/19/05	WSD	27.		
Chloroform	ug/m3	ND	09/19/05	WSD	49.		
Chloromethane	ug/m3	ND	09/19/05	WSD	21.		
Cyclohexane	ug/m3	ND	09/19/05	WSD	34.		
1,2-Dibromoethane	ug/m3	ND	09/19/05	WSD	77.		
1,2-Dichlorobenzene	ug/m3	ND	09/19/05	WSD	61.		
1,3-Dichlorobenzene	ug/m3	ND	09/19/05	WSD	61.		
1,4-Dichlorobenzene	ug/m3	ND	09/19/05	WSD	61.		
Dichlorodifluoromethane	ug/m3	ND	09/19/05	WSD	50.		
1,1-Dichloroethane	ug/m3	ND	09/19/05	WSD	41.		
1,2-Dichloroethane	ug/m3	ND	09/19/05	WSD	41.		
1,1-Dichloroethylene	ug/m3	ND	09/19/05	WSD	40.		
cis-1,2-Dichloroethylene	ug/m3	ND	09/19/05	WSD	40.		
t-1,2-Dichloroethylene	ug/m3	ND	09/19/05	WSD	40.		
1,2-Dichloropropane	ug/m3	ND	09/19/05	WSD	47.		
cis-1,3-Dichloropropene	ug/m3	ND	09/19/05	WSD	46.		
trans-1,3-Dichloropropene	ug/m3	ND	09/19/05	WSD	46.		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	09/19/05	WSD	70.		
Ethanol	ug/m3	ND	09/19/05	WSD	18.		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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* = See end of report for comments and notes applying to this sample

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Purchase Order No.:

9/21/2005

Page 20 of 31

Project Location: SOUTH MESA

Date Received: 9/14/2005

Field Sample #: INF

LIMS-BAT #: LIMS-91746

Job Number: -

Sample ID : 05B36849

Sampled : 9/13/2005

CT1083

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	09/19/05	WSD	36.		
Ethylbenzene	ug/m3	ND	09/19/05	WSD	44.		
4-Ethyl Toluene	ug/m3	ND	09/19/05	WSD	50.		
n-Heptane	ug/m3	ND	09/19/05	WSD	40.		
Hexachlorobutadiene	ug/m3	ND	09/19/05	WSD	110		
Hexane	ug/m3	ND	09/19/05	WSD	36.		
2-Hexanone	ug/m3	ND	09/19/05	WSD	40.		
Isopropanol	ug/m3	ND	09/19/05	WSD	24.		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	09/19/05	WSD	36.		
Methylene Chloride	ug/m3	ND	09/19/05	WSD	35.		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	09/19/05	WSD	40.		
Propene	ug/m3	ND	09/19/05	WSD	18.		
Styrene	ug/m3	ND	09/19/05	WSD	43.		
1,1,2,2-Tetrachloroethane	ug/m3	ND	09/19/05	WSD	69.		
Tetrachloroethylene	ug/m3	1600	09/19/05	WSD	68.		
Tetrahydrofuran	ug/m3	ND	09/19/05	WSD	30.		
Toluene	ug/m3	ND	09/19/05	WSD	38.		
1,2,4-Trichlorobenzene	ug/m3	ND	09/19/05	WSD	75.		
1,1,1-Trichloroethane	ug/m3	ND	09/19/05	WSD	55.		
1,1,2-Trichloroethane	ug/m3	ND	09/19/05	WSD	55.		
Trichloroethylene	ug/m3	ND	09/19/05	WSD	54.		
Trichlorofluoromethane	ug/m3	ND	09/19/05	WSD	57.		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	09/19/05	WSD	77.		
1,2,4-Trimethylbenzene	ug/m3	ND	09/19/05	WSD	50.		
1,3,5-Trimethylbenzene	ug/m3	ND	09/19/05	WSD	50.		
Vinyl Acetate	ug/m3	ND	09/19/05	WSD	36.		
Vinyl Chloride	ug/m3	ND	09/19/05	WSD	26.		
m/p-Xylene	ug/m3	ND	09/19/05	WSD	87.		
o-Xylene	ug/m3	ND	09/19/05	WSD	44.		

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* = See end of report for comments and notes applying to this sample



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3630 EAST WIER AVENUE

PHOENIX, AZ 85040

9/21/2005

Page 21 of 31

Purchase Order No.:

Project Location: SOUTH MESA

Date Received: 9/14/2005

Field Sample #: INF

LIMS-BAT #: LIMS-91746

Job Number: -

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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9/21/2005
 Page 22 of 31

Purchase Order No.:

Project Location: SOUTH MESA
 Date Received: 9/14/2005
 Field Sample #: INT

LIMS-BAT #: LIMS-91746
 Job Number: -

Sample ID : 05B36848

Sampled : 9/13/2005
 CT1081

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	ND	09/19/05	WSD	24.		
Benzene	ug/m3	ND	09/19/05	WSD	32.		
Benzyl Chloride	ug/m3	ND	09/19/05	WSD	52.		
Bromodichloromethane	ug/m3	ND	09/19/05	WSD	68.		
Bromomethane	ug/m3	ND	09/19/05	WSD	39.		
1,3-Butadiene	ug/m3	ND	09/19/05	WSD	22.		
2-Butanone (MEK)	ug/m3	ND	09/19/05	WSD	30.		
Carbon Disulfide	ug/m3	ND	09/19/05	WSD	32.		
Carbon Tetrachloride	ug/m3	ND	09/19/05	WSD	62.		
Chlorobenzene	ug/m3	ND	09/19/05	WSD	46.		
Chlorodibromomethane	ug/m3	ND	09/19/05	WSD	86.		
Chloroethane	ug/m3	ND	09/19/05	WSD	27.		
Chloroform	ug/m3	ND	09/19/05	WSD	49.		
Chloromethane	ug/m3	ND	09/19/05	WSD	21.		
Cyclohexane	ug/m3	ND	09/19/05	WSD	34.		
1,2-Dibromoethane	ug/m3	ND	09/19/05	WSD	77.		
1,2-Dichlorobenzene	ug/m3	ND	09/19/05	WSD	61.		
1,3-Dichlorobenzene	ug/m3	ND	09/19/05	WSD	61.		
1,4-Dichlorobenzene	ug/m3	ND	09/19/05	WSD	61.		
Dichlorodifluoromethane	ug/m3	ND	09/19/05	WSD	50.		
1,1-Dichloroethane	ug/m3	ND	09/19/05	WSD	41.		
1,2-Dichloroethane	ug/m3	ND	09/19/05	WSD	41.		
1,1-Dichloroethylene	ug/m3	ND	09/19/05	WSD	40.		
cis-1,2-Dichloroethylene	ug/m3	ND	09/19/05	WSD	40.		
t-1,2-Dichloroethylene	ug/m3	ND	09/19/05	WSD	40.		
1,2-Dichloropropane	ug/m3	ND	09/19/05	WSD	47.		
cis-1,3-Dichloropropene	ug/m3	ND	09/19/05	WSD	46.		
trans-1,3-Dichloropropene	ug/m3	ND	09/19/05	WSD	46.		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	09/19/05	WSD	70.		
Ethanol	ug/m3	ND	09/19/05	WSD	18.		

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Purchase Order No.:

9/21/2005
 Page 23 of 31

Project Location: SOUTH MESA
 Date Received: 9/14/2005
 Field Sample #: INT

LIMS-BAT #: LIMS-91746
 Job Number: -

Sample ID : 05B36848

Sampled : 9/13/2005
 CT1081

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	09/19/05	WSD	36.		
Ethylbenzene	ug/m3	ND	09/19/05	WSD	44.		
4-Ethyl Toluene	ug/m3	ND	09/19/05	WSD	50.		
n-Heptane	ug/m3	ND	09/19/05	WSD	40.		
Hexachlorobutadiene	ug/m3	ND	09/19/05	WSD	110		
Hexane	ug/m3	ND	09/19/05	WSD	36.		
2-Hexanone	ug/m3	ND	09/19/05	WSD	40.		
Isopropanol	ug/m3	ND	09/19/05	WSD	24.		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	09/19/05	WSD	36.		
Methylene Chloride	ug/m3	ND	09/19/05	WSD	35.		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	09/19/05	WSD	40.		
Propene	ug/m3	ND	09/19/05	WSD	18.		
Styrene	ug/m3	ND	09/19/05	WSD	43.		
1,1,2,2-Tetrachloroethane	ug/m3	ND	09/19/05	WSD	69.		
Tetrachloroethylene	ug/m3	980	09/19/05	WSD	68.		
Tetrahydrofuran	ug/m3	ND	09/19/05	WSD	30.		
Toluene	ug/m3	ND	09/19/05	WSD	38.		
1,2,4-Trichlorobenzene	ug/m3	ND	09/19/05	WSD	75.		
1,1,1-Trichloroethane	ug/m3	ND	09/19/05	WSD	55.		
1,1,2-Trichloroethane	ug/m3	ND	09/19/05	WSD	55.		
Trichloroethylene	ug/m3	ND	09/19/05	WSD	54.		
Trichlorofluoromethane	ug/m3	ND	09/19/05	WSD	57.		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	09/19/05	WSD	77.		
1,2,4-Trimethylbenzene	ug/m3	ND	09/19/05	WSD	50.		
1,3,5-Trimethylbenzene	ug/m3	ND	09/19/05	WSD	50.		
Vinyl Acetate	ug/m3	ND	09/19/05	WSD	36.		
Vinyl Chloride	ug/m3	ND	09/19/05	WSD	26.		
m/p-Xylene	ug/m3	ND	09/19/05	WSD	87.		
o-Xylene	ug/m3	ND	09/19/05	WSD	44.		

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Purchase Order No.:

9/21/2005

Page 24 of 31

Project Location: SOUTH MESA

Date Received: 9/14/2005

Field Sample #: INT

LIMS-BAT #: LIMS-91746

Job Number: -

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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9/21/2005
 Page 25 of 31

Purchase Order No.:

Project Location: SOUTH MESA

Date Received: 9/14/2005

Field Sample #: VW-5AB

Sample ID: 05B36850

Sample Matrix: AIR

Sampled: 9/13/2005

CT1135

Sample Medium: SUMMA

LIMS-BAT #: LIMS-91746

Job Number: -

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	ND	09/19/05	WSD	24.		
Benzene	ug/m3	ND	09/19/05	WSD	32.		
Benzyl Chloride	ug/m3	ND	09/19/05	WSD	52.		
Bromodichloromethane	ug/m3	ND	09/19/05	WSD	68.		
Bromomethane	ug/m3	ND	09/19/05	WSD	39.		
1,3-Butadiene	ug/m3	ND	09/19/05	WSD	22.		
2-Butanone (MEK)	ug/m3	ND	09/19/05	WSD	30.		
Carbon Disulfide	ug/m3	ND	09/19/05	WSD	32.		
Carbon Tetrachloride	ug/m3	ND	09/19/05	WSD	62.		
Chlorobenzene	ug/m3	ND	09/19/05	WSD	46.		
Chlorodibromomethane	ug/m3	ND	09/19/05	WSD	86.		
Chloroethane	ug/m3	ND	09/19/05	WSD	27.		
Chloroform	ug/m3	62.	09/19/05	WSD	49.		
Chloromethane	ug/m3	ND	09/19/05	WSD	21.		
Cyclohexane	ug/m3	ND	09/19/05	WSD	34.		
1,2-Dibromoethane	ug/m3	ND	09/19/05	WSD	77.		
1,2-Dichlorobenzene	ug/m3	ND	09/19/05	WSD	61.		
1,3-Dichlorobenzene	ug/m3	ND	09/19/05	WSD	61.		
1,4-Dichlorobenzene	ug/m3	ND	09/19/05	WSD	61.		
Dichlorodifluoromethane	ug/m3	ND	09/19/05	WSD	50.		
1,1-Dichloroethane	ug/m3	ND	09/19/05	WSD	41.		
1,2-Dichloroethane	ug/m3	ND	09/19/05	WSD	41.		
1,1-Dichloroethylene	ug/m3	ND	09/19/05	WSD	40.		
cis-1,2-Dichloroethylene	ug/m3	130	09/19/05	WSD	40.		
t-1,2-Dichloroethylene	ug/m3	ND	09/19/05	WSD	40.		
1,2-Dichloropropane	ug/m3	ND	09/19/05	WSD	47.		
cis-1,3-Dichloropropene	ug/m3	ND	09/19/05	WSD	46.		
trans-1,3-Dichloropropene	ug/m3	ND	09/19/05	WSD	46.		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	09/19/05	WSD	70.		
Ethanol	ug/m3	ND	09/19/05	WSD	18.		

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9/21/2005

Page 26 of 31

Purchase Order No.:

Project Location: SOUTH MESA

LIMS-BAT #: LIMS-91746

Date Received: 9/14/2005

Job Number: -

Field Sample #: VW-5AB

Sample ID: 05B36850

Sampled: 9/13/2005

CT1135

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	09/19/05	WSD	36.		
Ethylbenzene	ug/m3	ND	09/19/05	WSD	44.		
4-Ethyl Toluene	ug/m3	ND	09/19/05	WSD	50.		
n-Heptane	ug/m3	ND	09/19/05	WSD	40.		
Hexachlorobutadiene	ug/m3	ND	09/19/05	WSD	110		
Hexane	ug/m3	ND	09/19/05	WSD	36.		
2-Hexanone	ug/m3	ND	09/19/05	WSD	40.		
Isopropanol	ug/m3	ND	09/19/05	WSD	24.		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	09/19/05	WSD	36.		
Methylene Chloride	ug/m3	ND	09/19/05	WSD	35.		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	09/19/05	WSD	40.		
Propene	ug/m3	ND	09/19/05	WSD	18.		
Styrene	ug/m3	ND	09/19/05	WSD	43.		
1,1,2,2-Tetrachloroethane	ug/m3	ND	09/19/05	WSD	69.		
Tetrachloroethylene	ug/m3	730	09/19/05	WSD	68.		
Tetrahydrofuran	ug/m3	ND	09/19/05	WSD	30.		
Toluene	ug/m3	ND	09/19/05	WSD	38.		
1,2,4-Trichlorobenzene	ug/m3	ND	09/19/05	WSD	75.		
1,1,1-Trichloroethane	ug/m3	ND	09/19/05	WSD	55.		
1,1,2-Trichloroethane	ug/m3	ND	09/19/05	WSD	55.		
Trichloroethylene	ug/m3	ND	09/19/05	WSD	54.		
Trichlorofluoromethane	ug/m3	ND	09/19/05	WSD	57.		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	09/19/05	WSD	77.		
1,2,4-Trimethylbenzene	ug/m3	ND	09/19/05	WSD	50.		
1,3,5-Trimethylbenzene	ug/m3	ND	09/19/05	WSD	50.		
Vinyl Acetate	ug/m3	ND	09/19/05	WSD	36.		
Vinyl Chloride	ug/m3	ND	09/19/05	WSD	26.		
m/p-Xylene	ug/m3	ND	09/19/05	WSD	87.		
o-Xylene	ug/m3	ND	09/19/05	WSD	44.		

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PHOENIX, AZ 85040

Purchase Order No.:

9/21/2005

Page 27 of 31

Project Location: SOUTH MESA

Date Received: 9/14/2005

Field Sample #: VW-5AB

LIMS-BAT #: LIMS-91746

Job Number: -

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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9/21/2005

Page 28 of 31

Purchase Order No.:

Project Location: SOUTH MESA

LIMS-BAT #: LIMS-91746

Date Received: 9/14/2005

Job Number: -

Field Sample #: VW-7B

Sample ID: 05B36851

Sampled: 9/13/2005

CT11405

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	ND	09/20/05	WSD	48.		
Benzene	ug/m3	ND	09/20/05	WSD	64.		
Benzyl Chloride	ug/m3	ND	09/20/05	WSD	110		
Bromodichloromethane	ug/m3	ND	09/20/05	WSD	140		
Bromomethane	ug/m3	ND	09/20/05	WSD	78.		
1,3-Butadiene	ug/m3	ND	09/20/05	WSD	44.		
2-Butanone (MEK)	ug/m3	ND	09/20/05	WSD	60.		
Carbon Disulfide	ug/m3	ND	09/20/05	WSD	64.		
Carbon Tetrachloride	ug/m3	ND	09/20/05	WSD	130		
Chlorobenzene	ug/m3	ND	09/20/05	WSD	92.		
Chlorodibromomethane	ug/m3	ND	09/20/05	WSD	180		
Chloroethane	ug/m3	ND	09/20/05	WSD	53.		
Chloroform	ug/m3	ND	09/20/05	WSD	98.		
Chloromethane	ug/m3	ND	09/20/05	WSD	42.		
Cyclohexane	ug/m3	ND	09/20/05	WSD	68.		
1,2-Dibromoethane	ug/m3	ND	09/20/05	WSD	160		
1,2-Dichlorobenzene	ug/m3	ND	09/20/05	WSD	130		
1,3-Dichlorobenzene	ug/m3	ND	09/20/05	WSD	130		
1,4-Dichlorobenzene	ug/m3	ND	09/20/05	WSD	130		
Dichlorodifluoromethane	ug/m3	ND	09/20/05	WSD	99.		
1,1-Dichloroethane	ug/m3	180	09/20/05	WSD	81.		
1,2-Dichloroethane	ug/m3	ND	09/20/05	WSD	81.		
1,1-Dichloroethylene	ug/m3	160	09/20/05	WSD	79.		
cis-1,2-Dichloroethylene	ug/m3	ND	09/20/05	WSD	80.		
t-1,2-Dichloroethylene	ug/m3	ND	09/20/05	WSD	80.		
1,2-Dichloropropane	ug/m3	ND	09/20/05	WSD	93.		
cis-1,3-Dichloropropene	ug/m3	ND	09/20/05	WSD	91.		
trans-1,3-Dichloropropene	ug/m3	ND	09/20/05	WSD	91.		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	09/20/05	WSD	140		
Ethanol	ug/m3	ND	09/20/05	WSD	36.		

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9/21/2005
 Page 29 of 31

Purchase Order No.:

Project Location: SOUTH MESA
 Date Received: 9/14/2005
 Field Sample #: VW-7B

LIMS-BAT #: LIMS-91746
 Job Number: -

Sample ID : 05B36851

Sampled : 9/13/2005
 CT11405

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Ethyl Acetate	ug/m3	ND	09/20/05	WSD	72.		
Ethylbenzene	ug/m3	ND	09/20/05	WSD	87.		
4-Ethyl Toluene	ug/m3	ND	09/20/05	WSD	100		
n-Heptane	ug/m3	ND	09/20/05	WSD	80.		
Hexachlorobutadiene	ug/m3	ND	09/20/05	WSD	220		
Hexane	ug/m3	ND	09/20/05	WSD	72.		
2-Hexanone	ug/m3	ND	09/20/05	WSD	80.		
Isopropanol	ug/m3	ND	09/20/05	WSD	48.		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	09/20/05	WSD	72.		
Methylene Chloride	ug/m3	ND	09/20/05	WSD	70.		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	09/20/05	WSD	80.		
Propene	ug/m3	ND	09/20/05	WSD	36.		
Styrene	ug/m3	ND	09/20/05	WSD	86.		
1,1,2,2-Tetrachloroethane	ug/m3	ND	09/20/05	WSD	140		
Tetrachloroethylene	ug/m3	6900	09/20/05	WSD	140.		
Tetrahydrofuran	ug/m3	ND	09/20/05	WSD	60.		
Toluene	ug/m3	ND	09/20/05	WSD	76.		
1,2,4-Trichlorobenzene	ug/m3	ND	09/20/05	WSD	150		
1,1,1-Trichloroethane	ug/m3	ND	09/20/05	WSD	110		
1,1,2-Trichloroethane	ug/m3	ND	09/20/05	WSD	110		
Trichloroethylene	ug/m3	ND	09/20/05	WSD	110		
Trichlorofluoromethane	ug/m3	ND	09/20/05	WSD	120		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	09/20/05	WSD	160		
1,2,4-Trimethylbenzene	ug/m3	ND	09/20/05	WSD	99.		
1,3,5-Trimethylbenzene	ug/m3	ND	09/20/05	WSD	99.		
Vinyl Acetate	ug/m3	ND	09/20/05	WSD	72.		
Vinyl Chloride	ug/m3	ND	09/20/05	WSD	52.		
m/p-Xylene	ug/m3	ND	09/20/05	WSD	180		
o-Xylene	ug/m3	ND	09/20/05	WSD	87.		

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

JIM CLARKE

MACTEC ENGINEERING & CONSULTING - AZ

3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Purchase Order No.:

9/21/2005

Page 30 of 31

Project Location: SOUTH MESA

Date Received: 9/14/2005

LIMS-BAT #: LIMS-91746

Job Number: -

Field Sample #: VW-7B

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



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PHOENIX, AZ 85040

Purchase Order No.:

9/21/2005
Page 31 of 31

Project Location: SOUTH MESA
Date Received: 9/14/2005

LIMS-BAT #: LIMS-91746
Job Number: -

The following notes were attached to the reported analysis :

Sample ID: * 05B36847
Analysis: to-15 ppbv

ELEVATED METHOD DETECTION LIMIT DUE TO MATRIX INTERFERENCES.

Sample ID: * 05B36847
Analysis: Methylene Chloride

METHYLENE CHLORIDE IS A COMMON LABORATORY CONTAMINANT.

Sample ID: * 05B36848
Analysis: to-15 ppbv

ELEVATED METHOD DETECTION LIMIT DUE TO MATRIX INTERFERENCES.

Sample ID: * 05B36849
Analysis: to-15 ppbv

ELEVATED METHOD DETECTION LIMIT DUE TO MATRIX INTERFERENCES.

Sample ID: * 05B36850
Analysis: to-15 ppbv

ELEVATED METHOD DETECTION LIMIT DUE TO MATRIX INTERFERENCES.

Sample ID: * 05B36851
Analysis: to-15 ppbv

ELEVATED METHOD DETECTION LIMIT DUE TO MATRIX INTERFERENCES.

** END OF REPORT **

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or
regulatory level for comparison with data to
determine PASS (P) or FAIL (F) condition of results.

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 9/21/2005

Lims Bat # : LIMS-91746

Page 1 of 7

QC Batch Number: BATCH-9814

Sample Id	Analysis	QC Analysis	Values	Units	Limits
05B36847					
	4-Bromofluorobenzene	Surrogate Recovery	89.8	%	70-130
05B36848					
	4-Bromofluorobenzene	Surrogate Recovery	91.6	%	70-130
05B36849					
	4-Bromofluorobenzene	Surrogate Recovery	92.5	%	70-130
05B36850					
	4-Bromofluorobenzene	Surrogate Recovery	93.6	%	70-130
05B36851					
	4-Bromofluorobenzene	Surrogate Recovery	97.6	%	70-130
BLANK-78909					
	Acetone	Blank	<1.2	ug/m3	
	Benzene	Blank	<1.6	ug/m3	
	Carbon Tetrachloride	Blank	<3.1	ug/m3	
	Chloroform	Blank	<2.5	ug/m3	
	1,2-Dichloroethane	Blank	<2.1	ug/m3	
	1,4-Dichlorobenzene	Blank	<3.1	ug/m3	
	Ethyl Acetate	Blank	<1.8	ug/m3	
	Ethylbenzene	Blank	<2.2	ug/m3	
	Hexane	Blank	<1.8	ug/m3	
	Isopropanol	Blank	<1.2	ug/m3	
	2-Butanone (MEK)	Blank	<1.5	ug/m3	
	4-Methyl-2-Pentanone (MIBK)	Blank	<2.0	ug/m3	
	Styrene	Blank	<2.2	ug/m3	
	Tetrachloroethylene	Blank	<3.4	ug/m3	
	Toluene	Blank	<1.9	ug/m3	
	1,1,1-Trichloroethane	Blank	<2.8	ug/m3	
	Trichloroethylene	Blank	<2.7	ug/m3	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<3.9	ug/m3	
	Trichlorofluoromethane	Blank	<2.9	ug/m3	
	o-Xylene	Blank	<2.2	ug/m3	
	m/p-Xylene	Blank	<4.4	ug/m3	
	1,2-Dichlorobenzene	Blank	<3.1	ug/m3	
	1,3-Dichlorobenzene	Blank	<3.1	ug/m3	
	1,1-Dichloroethane	Blank	<2.1	ug/m3	
	1,1-Dichloroethylene	Blank	<2.0	ug/m3	
	Ethanol	Blank	<0.9	ug/m3	
	4-Ethyl Toluene	Blank	<2.5	ug/m3	
	Methyl tert-Butyl Ether (MTBE)	Blank	<1.8	ug/m3	
	t-1,2-Dichloroethylene	Blank	<2.0	ug/m3	
	Vinyl Chloride	Blank	<1.3	ug/m3	
	Methylene Chloride	Blank	<1.8	ug/m3	
	Chlorobenzene	Blank	<2.3	ug/m3	
	Chloromethane	Blank	<1.1	ug/m3	



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

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Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 9/21/2005

Lims Bat #: LIMS-91746

Page 2 of 7

QC Batch Number: BATCH-9814

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-78909	Bromomethane	Blank	<2.0	ug/m3	
	Chloroethane	Blank	<1.4	ug/m3	
	cis-1,3-Dichloropropene	Blank	<2.3	ug/m3	
	trans-1,3-Dichloropropene	Blank	<2.3	ug/m3	
	Chlorodibromomethane	Blank	<4.3	ug/m3	
	1,1,2-Trichloroethane	Blank	<2.8	ug/m3	
	1,1,2,2-Tetrachloroethane	Blank	<3.5	ug/m3	
	Hexachlorobutadiene	Blank	<5.4	ug/m3	
	1,2,4-Trichlorobenzene	Blank	<3.8	ug/m3	
	1,2,4-Trimethylbenzene	Blank	<2.5	ug/m3	
	1,3,5-Trimethylbenzene	Blank	<2.5	ug/m3	
	Cyclohexane	Blank	<1.7	ug/m3	
	cis-1,2-Dichloroethylene	Blank	<2.0	ug/m3	
	1,2-Dichloropropane	Blank	<2.4	ug/m3	
	Dichlorodifluoromethane	Blank	<2.5	ug/m3	
	Benzyl Chloride	Blank	<2.6	ug/m3	
	Carbon Disulfide	Blank	<1.6	ug/m3	
	Vinyl Acetate	Blank	<1.8	ug/m3	
	2-Hexanone	Blank	<2.0	ug/m3	
	Bromodichloromethane	Blank	<3.4	ug/m3	
	1,2-Dibromoethane	Blank	<3.9	ug/m3	
	n-Heptane	Blank	<2.0	ug/m3	
	1,2-Dichlorotetrafluoroethane (114)	Blank	<3.5	ug/m3	
	Tetrahydrofuran	Blank	<1.5	ug/m3	
	Propene	Blank	<0.9	ug/m3	
	1,3-Butadiene	Blank	<1.1	ug/m3	
LFBLANK-44969	Acetone	Lab Fort Blank Amt.	23.8	ug/m3	
		Lab Fort Blk. Found	20.6	ug/m3	
		Lab Fort Blk. % Rec.	86.8	%	50-150
	Benzene	Lab Fort Blank Amt.	31.9	ug/m3	
		Lab Fort Blk. Found	28.6	ug/m3	
		Lab Fort Blk. % Rec.	89.8	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	62.9	ug/m3	
		Lab Fort Blk. Found	73.5	ug/m3	
		Lab Fort Blk. % Rec.	116.8	%	70-130
	Chloroform	Lab Fort Blank Amt.	48.7	ug/m3	
		Lab Fort Blk. Found	48.9	ug/m3	
		Lab Fort Blk. % Rec.	100.5	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	40.5	ug/m3	
		Lab Fort Blk. Found	43.6	ug/m3	
		Lab Fort Blk. % Rec.	107.8	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	60.1	ug/m3	



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Method Blanks

Report Date: 9/21/2005

Lims Bat #: LIMS-91746

Page 3 of 7

QC Batch Number: BATCH-9814

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-44969					
1,4-Dichlorobenzene		Lab Fort Blk. Found	63.2	ug/m3	70-130
		Lab Fort Blk. % Rec.	105.2	%	
Ethyl Acetate		Lab Fort Blank Amt.	36.0	ug/m3	50-150
		Lab Fort Blk. Found	28.2	ug/m3	
Ethylbenzene		Lab Fort Blk. % Rec.	78.3	%	70-130
		Lab Fort Blank Amt.	43.4	ug/m3	
Hexane		Lab Fort Blk. Found	42.3	ug/m3	70-130
		Lab Fort Blk. % Rec.	97.5	%	
Isopropanol		Lab Fort Blank Amt.	35.2	ug/m3	70-130
		Lab Fort Blk. Found	32.7	ug/m3	
2-Butanone (MEK)		Lab Fort Blk. % Rec.	92.8	%	50-150
		Lab Fort Blank Amt.	24.6	ug/m3	
4-Methyl-2-Pentanone (MIBK)		Lab Fort Blk. Found	24.0	ug/m3	70-130
		Lab Fort Blk. % Rec.	97.6	%	
Styrene		Lab Fort Blank Amt.	29.5	ug/m3	70-130
		Lab Fort Blk. Found	26.4	ug/m3	
Tetrachloroethylene		Lab Fort Blk. % Rec.	89.4	%	70-130
		Lab Fort Blank Amt.	41.0	ug/m3	
Toluene		Lab Fort Blk. Found	38.8	ug/m3	70-130
		Lab Fort Blk. % Rec.	94.6	%	
1,1,1-Trichloroethane		Lab Fort Blank Amt.	42.5	ug/m3	70-130
		Lab Fort Blk. Found	47.0	ug/m3	
Trichloroethylene		Lab Fort Blk. % Rec.	110.6	%	70-130
		Lab Fort Blank Amt.	67.8	ug/m3	
o-Xylene		Lab Fort Blk. Found	70.4	ug/m3	70-130
		Lab Fort Blk. % Rec.	103.8	%	
1,1,2-Trichloro-1,2,2-Trifluoroethane		Lab Fort Blank Amt.	37.6	ug/m3	70-130
		Lab Fort Blk. Found	35.1	ug/m3	
Trichlorofluoromethane		Lab Fort Blk. % Rec.	93.3	%	70-130
		Lab Fort Blank Amt.	54.6	ug/m3	
o-Xylene		Lab Fort Blk. Found	59.3	ug/m3	70-130
		Lab Fort Blk. % Rec.	108.6	%	
o-Xylene		Lab Fort Blank Amt.	53.7	ug/m3	70-130
		Lab Fort Blk. Found	52.8	ug/m3	
o-Xylene		Lab Fort Blk. % Rec.	98.3	%	70-130
		Lab Fort Blank Amt.	76.6	ug/m3	
o-Xylene		Lab Fort Blk. Found	83.5	ug/m3	70-130
		Lab Fort Blk. % Rec.	109.0	%	
o-Xylene		Lab Fort Blank Amt.	56.2	ug/m3	70-130
		Lab Fort Blk. Found	68.2	ug/m3	
o-Xylene		Lab Fort Blk. % Rec.	121.3	%	70-130
		Lab Fort Blank Amt.	43.4	ug/m3	
o-Xylene		Lab Fort Blk. Found	44.0	ug/m3	

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

 Standard Reference Materials and Duplicates
 Method Blanks

Report Date: 9/21/2005

Lims Bat #: LIMS-91746

Page 6 of 7

QC Batch Number: BATCH-9814

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-44969	Benzyl Chloride	Lab Fort Blk. Found	56.6	ug/m3	
		Lab Fort Blk. % Rec.	109.3	%	70-130
	Carbon Disulfide	Lab Fort Blank Amt.	31.1	ug/m3	
		Lab Fort Blk. Found	30.2	ug/m3	
		Lab Fort Blk. % Rec.	97.1	%	70-130
	Vinyl Acetate	Lab Fort Blank Amt.	35.2	ug/m3	
		Lab Fort Blk. Found	30.6	ug/m3	
		Lab Fort Blk. % Rec.	86.9	%	70-130
	2-Hexanone	Lab Fort Blank Amt.	41.0	ug/m3	
		Lab Fort Blk. Found	39.6	ug/m3	
		Lab Fort Blk. % Rec.	96.7	%	50-150
	Bromodichloromethane	Lab Fort Blank Amt.	67.0	ug/m3	
		Lab Fort Blk. Found	68.6	ug/m3	
		Lab Fort Blk. % Rec.	102.4	%	70-130
	1,2-Dibromoethane	Lab Fort Blank Amt.	76.9	ug/m3	
		Lab Fort Blk. Found	76.9	ug/m3	
		Lab Fort Blk. % Rec.	100.0	%	70-130
	n-Heptane	Lab Fort Blank Amt.	41.0	ug/m3	
		Lab Fort Blk. Found	36.4	ug/m3	
		Lab Fort Blk. % Rec.	88.9	%	50-150
	1,2-Dichlorotetrafluoroethane (114)	Lab Fort Blank Amt.	69.9	ug/m3	
		Lab Fort Blk. Found	78.9	ug/m3	
		Lab Fort Blk. % Rec.	112.8	%	70-130
	Tetrahydrofuran	Lab Fort Blank Amt.	29.5	ug/m3	
		Lab Fort Blk. Found	26.2	ug/m3	
		Lab Fort Blk. % Rec.	88.7	%	50-150
	Propene	Lab Fort Blank Amt.	17.2	ug/m3	
		Lab Fort Blk. Found	17.3	ug/m3	
		Lab Fort Blk. % Rec.	100.8	%	50-150
	1,3-Butadiene	Lab Fort Blank Amt.	22.1	ug/m3	
		Lab Fort Blk. Found	23.1	ug/m3	
		Lab Fort Blk. % Rec.	104.3	%	70-130

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 9/21/2005

Lims Bat #: LIMS-91746

Page 7 of 7

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken through all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries



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www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 SPRUCE ST

EAST LONGMEADOW, MA 01028

Page 1 of 1

Company Name: MACTEK, INC.

Address: 3632 E LOUIER AVE

PHX, AZ 85040

Attention: JIM CLARKE

Project Location: SOUTH MESA

Sampled By: MARK HAMMER

Proposal Provided? (For Billing purposes)

☐ yes ☐ no

State Form Required?

☐ yes ☐ no

Telephone: ()

Project #

Client PO #

DATA DELIVERY (check one):

☒ FAX ☐ EMAIL ☐ WEBSITE CLIENT

Fax #: 402-437-0850

Email: 3675

Format: ☐ EXCEL ☐ PDF ☐ GIS KEY

Date Sampled

Start Date/Time

Stop Date/Time

Comp- osite

Grab

*Matrix Code

ANALYSIS REQUESTED

of containers

**Preservation

~Cont.Code

Cont. Code

As-sep. glass

G-glass

P-plastic

ST=sterile

Y=yal

S=stirring can

T=lead bag

O=Other

Client Comments:

Field ID	Sample Description	Lab #	Start Date/Time	Stop Date/Time	Comp- osite	Grab	*Matrix Code	Analysis Requested	# of containers	**Preservation	~Cont.Code	Cont. Code
EFF	CT 1077		9/13/05	0930	X		A	05B36847				
INT	CT 1081			0940				05B36848				
INT	CT 1083			0950				05B36849				
INT-SAR	CT 1135			1005				05B36850				
INT-7B	CT 11405			1025				05B36857				

Laboratory Comments:

Turnaround **

☒ 7-Day

☐ 10-Day

☐ Other

RUSH *

☐ *24-Hr ☐ *48-Hr

☐ *72-Hr ☐ *4-Day

* Require lab approval

Detection Limit Requirements

Regulations?

Data Enhancement Project/RCP? ☐ Y ☐ N

Special Requirements or DL's:

*Matrix Code:

GW= groundwater

WW= wastewater

DW= drinking water

A= air

S= soil/solid

SL= sludge

O= other

**Preservation Codes:

I= Ice

H= HCL

M= Methanol

N= Nitric Acid

S= Sulfuric Acid

B= Sodium bisulfate

O= Other

X= Na hydroxide

T= Na thiosulfate

Con-Test Laboratory is the ONLY independent laboratory in all of New England with both prestigious ALHA and NELAP Certifications and WBE/DBE Certified!

**Turnaround time begins at 9:00 a.m. the day after sample receipt (unless received before 2:00 p.m.)



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 10/28/2005

MACTEC ENGINEERING & CONSULTING - AZ
3630 EAST WIER AVENUE
PHOENIX, AZ 85040
ATTN: JIM CLARKE

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-92428
JOB NUMBER: 4972-04-2034

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: SOUTH MESA

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST
EFF	05B40417	AIR	(CT-1339)	to-15 ppbv
EFF	05B40417	AIR	(CT-1339)	to-15 ug/m3
INF	05B40419	AIR	(CT-4399)	to-15 ppbv
INF	05B40419	AIR	(CT-4399)	to-15 ug/m3
INT	05B40418	AIR	(CT-1499)	to-15 ppbv
INT	05B40418	AIR	(CT-1499)	to-15 ug/m3
VW-5AB	05B40420	AIR	(CT-2154)	to-15 ppbv
VW-5AB	05B40420	AIR	(CT-2154)	to-15 ug/m3
VW-7B	05B40421	AIR	(CT 1375)	to-15 ppbv
VW-7B	05B40421	AIR	(CT 1375)	to-15 ug/m3

Comments :

LIMS BATCH NO. : LIMS-92428

REVISED REPORT

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations :

AIHA 100033	AIHA ELLAP (LEAD) 100033	
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	ARIZONA AZ0648
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	ARIZONA AZ0654 (AIR)

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Edward Denson 10/28/05

SIGNATURE

DATE

Tod Kopyscinski
Director of Operations

Sondra S. Kocot
Quality Control Coordinator

Edward Denson
Technical Director

* See end of data tabulation for notes and comments pertaining to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

JIM CLARKE

MACTEC ENGINEERING & CONSULTING - AZ

3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Purchase Order No.:

10/28/2005

Page 1 of 31

Project Location: SOUTH MESA

Date Received: 10/12/2005

Field Sample #: EFF

LIMS-BAT #: LIMS-92428

Job Number: 4972-04-2034

Sample ID: 05B40417

Sampled: 10/10/2005

(CT-1339)

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Acetone	PPBv	ND	10/20/05	TPH	0.5			
Benzene	PPBv	ND	10/20/05	TPH	0.5			
Benzyl Chloride	PPBv	ND	10/20/05	TPH	2.0			
Bromodichloromethane	PPBv	ND	10/20/05	TPH	0.5			
Bromomethane	PPBv	ND	10/20/05	TPH	0.5			
1,3-Butadiene	PPBv	ND	10/20/05	TPH	0.5			
2-Butanone (MEK)	PPBv	2.9	10/20/05	TPH	0.5			
Carbon Disulfide	PPBv	ND	10/20/05	TPH	0.5			
Carbon Tetrachloride	PPBv	ND	10/20/05	TPH	0.5			
Chlorobenzene	PPBv	ND	10/20/05	TPH	0.5			
Chlorodibromomethane	PPBv	ND	10/20/05	TPH	0.5			
Chloroethane	PPBv	ND	10/20/05	TPH	0.5			
Chloroform	PPBv	0.9	10/20/05	TPH	0.5			
Chloromethane	PPBv	ND	10/20/05	TPH	0.5			
Cyclohexane	PPBv	0.8	10/20/05	TPH	0.5			
1,2-Dibromoethane	PPBv	ND	10/20/05	TPH	0.5			
1,2-Dichlorobenzene	PPBv	ND	10/20/05	TPH	0.5			
1,3-Dichlorobenzene	PPBv	ND	10/20/05	TPH	0.5			
1,4-Dichlorobenzene	PPBv	ND	10/20/05	TPH	0.5			
Dichlorodifluoromethane	PPBv	1.3	10/20/05	TPH	0.5			
1,1-Dichloroethane	PPBv	2.0	10/20/05	TPH	0.5			
1,2-Dichloroethane	PPBv	ND	10/20/05	TPH	0.5			
1,1-Dichloroethylene	PPBv	1.5	10/20/05	TPH	0.5			
cis-1,2-Dichloroethylene	PPBv	2.3	10/20/05	TPH	0.5			
t-1,2-Dichloroethylene	PPBv	ND	10/20/05	TPH	0.5			
1,2-Dichloropropane	PPBv	ND	10/20/05	TPH	0.5			
cis-1,3-Dichloropropene	PPBv	ND	10/20/05	TPH	0.5			
trans-1,3-Dichloropropene	PPBv	ND	10/20/05	TPH	0.5			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	10/20/05	TPH	0.5			
Ethanol	PPBv	0.8	10/20/05	TPH	0.5			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



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10/28/2005
Page 2 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: EFF

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Sample ID : 05B40417

Sampled : 10/10/2005
(CT-1339)

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	PPBv	1.8	10/20/05	TPH	0.5		
Ethylbenzene	PPBv	0.5	10/20/05	TPH	0.5		
4-Ethyl Toluene	PPBv	ND	10/20/05	TPH	0.5		
n-Heptane	PPBv	ND	10/20/05	TPH	0.5		
Hexachlorobutadiene	PPBv	ND	10/20/05	TPH	2.0		
Hexane	PPBv	1.5	10/20/05	TPH	0.5		
2-Hexanone	PPBv	ND	10/20/05	TPH	0.5		
Isopropanol	PPBv	ND	10/20/05	TPH	0.5		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	10/20/05	TPH	0.5		
Methylene Chloride	PPBv	4.8	10/20/05	TPH	0.5		
4-Methyl-2-Pentanone (MIBK)	PPBv	0.6	10/20/05	TPH	0.5		
Propene	PPBv	ND	10/20/05	TPH	0.5		
Styrene	PPBv	ND	10/20/05	TPH	0.5		
1,1,2,2-Tetrachloroethane	PPBv	ND	10/20/05	TPH	0.5		
Tetrachloroethylene	PPBv	ND	10/20/05	TPH	0.5		
Tetrahydrofuran	PPBv	ND	10/20/05	TPH	0.5		
Toluene	PPBv	10.	10/20/05	TPH	0.5		
1,2,4-Trichlorobenzene	PPBv	ND	10/20/05	TPH	5.0		
1,1,1-Trichloroethane	PPBv	ND	10/20/05	TPH	0.5		
1,1,2-Trichloroethane	PPBv	ND	10/20/05	TPH	0.5		
Trichloroethylene	PPBv	12.	10/20/05	TPH	0.5		
Trichlorofluoromethane (Freon 11)	PPBv	ND	10/20/05	TPH	0.5		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	10/20/05	TPH	0.5		
1,2,4-Trimethylbenzene	PPBv	ND	10/20/05	TPH	0.5		
1,3,5-Trimethylbenzene	PPBv	ND	10/20/05	TPH	0.5		
Vinyl Acetate	PPBv	1.0	10/20/05	TPH	0.5		
Vinyl Chloride	PPBv	ND	10/20/05	TPH	0.5		
m/p-Xylene	PPBv	1.3	10/20/05	TPH	1.0		
o-Xylene	PPBv	0.5	10/20/05	TPH	0.5		

RL = Reporting Limit

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Purchase Order No.:

10/28/2005

Page 3 of 31

Project Location: SOUTH MESA

Date Received: 10/12/2005

LIMS-BAT #: LIMS-92428

Job Number: 4972-04-2034

Field Sample #: EFF

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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10/28/2005
Page 4 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: INF

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Sample ID : 05B40419

Sampled : 10/10/2005
(CT-4399)

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	PPBv	8.2	10/25/05	TPH	0.5			
Benzene	PPBv	ND	10/25/05	TPH	0.5			
Benzyl Chloride	PPBv	ND	10/25/05	TPH	2.0			
Bromodichloromethane	PPBv	0.6	10/25/05	TPH	0.5			
Bromomethane	PPBv	ND	10/25/05	TPH	0.5			
1,3-Butadiene	PPBv	ND	10/25/05	TPH	0.5			
2-Butanone (MEK)	PPBv	2.7	10/25/05	TPH	0.5			
Carbon Disulfide	PPBv	12.	10/25/05	TPH	0.5			
Carbon Tetrachloride	PPBv	ND	10/25/05	TPH	0.5			
Chlorobenzene	PPBv	ND	10/25/05	TPH	0.5			
Chlorodibromomethane	PPBv	ND	10/25/05	TPH	0.5			
Chloroethane	PPBv	ND	10/25/05	TPH	0.5			
Chloroform	PPBv	2.6	10/25/05	TPH	0.5			
Chloromethane	PPBv	ND	10/25/05	TPH	0.5			
Cyclohexane	PPBv	ND	10/25/05	TPH	0.5			
1,2-Dibromoethane	PPBv	ND	10/25/05	TPH	0.5			
1,2-Dichlorobenzene	PPBv	ND	10/25/05	TPH	0.5			
1,3-Dichlorobenzene	PPBv	ND	10/25/05	TPH	0.5			
1,4-Dichlorobenzene	PPBv	ND	10/25/05	TPH	0.5			
Dichlorodifluoromethane	PPBv	1.2	10/25/05	TPH	0.5			
1,1-Dichloroethane	PPBv	5.3	10/25/05	TPH	0.5			
1,2-Dichloroethane	PPBv	ND	10/25/05	TPH	0.5			
1,1-Dichloroethylene	PPBv	3.8	10/25/05	TPH	0.5			
cis-1,2-Dichloroethylene	PPBv	3.2	10/25/05	TPH	0.5			
t-1,2-Dichloroethylene	PPBv	ND	10/25/05	TPH	0.5			
1,2-Dichloropropane	PPBv	2.1	10/25/05	TPH	0.5			
cis-1,3-Dichloropropene	PPBv	ND	10/25/05	TPH	0.5			
trans-1,3-Dichloropropene	PPBv	ND	10/25/05	TPH	0.5			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	10/25/05	TPH	0.5			
Ethanol	PPBv	3.2	10/25/05	TPH	0.5			

RL = Reporting Limit

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10/28/2005
Page 5 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: INF

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Sample ID : 05B40419

Sampled : 10/10/2005
(CT-4399)

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	PPBv	ND	10/25/05	TPH	0.5		
Ethylbenzene	PPBv	ND	10/25/05	TPH	0.5		
4-Ethyl Toluene	PPBv	ND	10/25/05	TPH	0.5		
n-Heptane	PPBv	ND	10/25/05	TPH	0.5		
Hexachlorobutadiene	PPBv	ND	10/25/05	TPH	2.0		
Hexane	PPBv	ND	10/25/05	TPH	0.5		
2-Hexanone	PPBv	ND	10/25/05	TPH	0.5		
Isopropanol	PPBv	ND	10/25/05	TPH	0.5		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	10/25/05	TPH	0.5		
Methylene Chloride	PPBv	2.0	10/25/05	TPH	0.5		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	10/25/05	TPH	0.5		
Propene	PPBv	0.8	10/25/05	TPH	0.5		
Styrene	PPBv	ND	10/25/05	TPH	0.5		
1,1,2,2-Tetrachloroethane	PPBv	ND	10/25/05	TPH	0.5		
Tetrachloroethylene	PPBv	150	10/25/05	TPH	0.5		
Tetrahydrofuran	PPBv	0.9	10/25/05	TPH	0.5		
Toluene	PPBv	1.2	10/25/05	TPH	0.5		
1,2,4-Trichlorobenzene	PPBv	ND	10/25/05	TPH	5.0		
1,1,1-Trichloroethane	PPBv	ND	10/25/05	TPH	0.5		
1,1,2-Trichloroethane	PPBv	ND	10/25/05	TPH	0.5		
Trichloroethylene	PPBv	0.8	10/25/05	TPH	0.5		
Trichlorofluoromethane (Freon 11)	PPBv	1.2	10/25/05	TPH	0.5		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	10/25/05	TPH	0.5		
1,2,4-Trimethylbenzene	PPBv	ND	10/25/05	TPH	0.5		
1,3,5-Trimethylbenzene	PPBv	ND	10/25/05	TPH	0.5		
Vinyl Acetate	PPBv	1.1	10/25/05	TPH	0.5		
Vinyl Chloride	PPBv	ND	10/25/05	TPH	0.5		
m/p-Xylene	PPBv	ND	10/25/05	TPH	1.0		
o-Xylene	PPBv	ND	10/25/05	TPH	0.5		

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Purchase Order No.:

10/28/2005

Page 6 of 31

Project Location: SOUTH MESA

Date Received: 10/12/2005

LIMS-BAT #: LIMS-92428

Job Number: 4972-04-2034

Field Sample #: INF

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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10/28/2005
Page 7 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: INT

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Sample ID : 05B40418

Sampled : 10/10/2005
(CT-1499)

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Acetone	PPBv	3.2	10/20/05	TPH	0.5			
Benzene	PPBv	ND	10/20/05	TPH	0.5			
Benzyl Chloride	PPBv	ND	10/20/05	TPH	2.0			
Bromodichloromethane	PPBv	ND	10/20/05	TPH	0.5			
Bromomethane	PPBv	ND	10/20/05	TPH	0.5			
1,3-Butadiene	PPBv	ND	10/20/05	TPH	0.5			
2-Butanone (MEK)	PPBv	ND	10/20/05	TPH	0.5			
Carbon Disulfide	PPBv	ND	10/20/05	TPH	0.5			
Carbon Tetrachloride	PPBv	ND	10/20/05	TPH	0.5			
Chlorobenzene	PPBv	ND	10/20/05	TPH	0.5			
Chlorodibromomethane	PPBv	ND	10/20/05	TPH	0.5			
Chloroethane	PPBv	ND	10/20/05	TPH	0.5			
Chloroform	PPBv	0.7	10/20/05	TPH	0.5			
Chloromethane	PPBv	ND	10/20/05	TPH	0.5			
Cyclohexane	PPBv	ND	10/20/05	TPH	0.5			
1,2-Dibromoethane	PPBv	ND	10/20/05	TPH	0.5			
1,2-Dichlorobenzene	PPBv	ND	10/20/05	TPH	0.5			
1,3-Dichlorobenzene	PPBv	ND	10/20/05	TPH	0.5			
1,4-Dichlorobenzene	PPBv	ND	10/20/05	TPH	0.5			
Dichlorodifluoromethane	PPBv	1.2	10/20/05	TPH	0.5			
1,1-Dichloroethane	PPBv	2.3	10/20/05	TPH	0.5			
1,2-Dichloroethane	PPBv	ND	10/20/05	TPH	0.5			
1,1-Dichloroethylene	PPBv	3.1	10/20/05	TPH	0.5			
cis-1,2-Dichloroethylene	PPBv	1.0	10/20/05	TPH	0.5			
t-1,2-Dichloroethylene	PPBv	ND	10/20/05	TPH	0.5			
1,2-Dichloropropane	PPBv	ND	10/20/05	TPH	0.5			
cis-1,3-Dichloropropene	PPBv	ND	10/20/05	TPH	0.5			
trans-1,3-Dichloropropene	PPBv	ND	10/20/05	TPH	0.5			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	10/20/05	TPH	0.5			
Ethanol	PPBv	2.5	10/20/05	TPH	0.5			

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Purchase Order No.:

10/28/2005

Page 8 of 31

Project Location: SOUTH MESA

Date Received: 10/12/2005

Field Sample #: INT

LIMS-BAT #: LIMS-92428

Job Number: 4972-04-2034

Sample ID : 05B40418

Sampled : 10/10/2005
(CT-1499)

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	PPBv	ND	10/20/05	TPH	0.5		
Ethylbenzene	PPBv	ND	10/20/05	TPH	0.5		
4-Ethyl Toluene	PPBv	ND	10/20/05	TPH	0.5		
n-Heptane	PPBv	ND	10/20/05	TPH	0.5		
Hexachlorobutadiene	PPBv	ND	10/20/05	TPH	2.0		
Hexane	PPBv	ND	10/20/05	TPH	0.5		
2-Hexanone	PPBv	ND	10/20/05	TPH	0.5		
Isopropanol	PPBv	ND	10/20/05	TPH	0.5		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	10/20/05	TPH	0.5		
Methylene Chloride	PPBv	2.3	10/20/05	TPH	0.5		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	10/20/05	TPH	0.5		
Propene	PPBv	0.9	10/20/05	TPH	0.5		
Styrene	PPBv	ND	10/20/05	TPH	0.5		
1,1,2,2-Tetrachloroethane	PPBv	ND	10/20/05	TPH	0.5		
Tetrachloroethylene	PPBv	31.	10/20/05	TPH	0.5		
Tetrahydrofuran	PPBv	ND	10/20/05	TPH	0.5		
Toluene	PPBv	ND	10/20/05	TPH	0.5		
1,2,4-Trichlorobenzene	PPBv	ND	10/20/05	TPH	5.0		
1,1,1-Trichloroethane	PPBv	ND	10/20/05	TPH	0.5		
1,1,2-Trichloroethane	PPBv	ND	10/20/05	TPH	0.5		
Trichloroethylene	PPBv	0.6	10/20/05	TPH	0.5		
Trichlorofluoromethane (Freon 11)	PPBv	1.0	10/20/05	TPH	0.5		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	10/20/05	TPH	0.5		
1,2,4-Trimethylbenzene	PPBv	ND	10/20/05	TPH	0.5		
1,3,5-Trimethylbenzene	PPBv	ND	10/20/05	TPH	0.5		
Vinyl Acetate	PPBv	ND	10/20/05	TPH	0.5		
Vinyl Chloride	PPBv	ND	10/20/05	TPH	0.5		
m/p-Xylene	PPBv	ND	10/20/05	TPH	1.0		
o-Xylene	PPBv	ND	10/20/05	TPH	0.5		

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ND = Not Detected at or above the Reporting Limit

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Purchase Order No.:

10/28/2005

Page 9 of 31

Project Location: SOUTH MESA

Date Received: 10/12/2005

Field Sample #: INT

LIMS-BAT #: LIMS-92428

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

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Purchase Order No.:

10/28/2005

Page 10 of 31

Project Location: SOUTH MESA

Date Received: 10/12/2005

Field Sample #: VW-5AB

LIMS-BAT #: LIMS-92428

Job Number: 4972-04-2034

Sample ID: 05B40420

Sampled: 10/10/2005

(CT-2154)

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Acetone	PPBv	ND	10/25/05	TPH	0.5			
Benzene	PPBv	ND	10/25/05	TPH	0.5			
Benzyl Chloride	PPBv	ND	10/25/05	TPH	2.0			
Bromodichloromethane	PPBv	5.1	10/25/05	TPH	0.5			
Bromomethane	PPBv	ND	10/25/05	TPH	0.5			
1,3-Butadiene	PPBv	ND	10/25/05	TPH	0.5			
2-Butanone (MEK)	PPBv	3.4	10/25/05	TPH	0.5			
Carbon Disulfide	PPBv	5.1	10/25/05	TPH	0.5			
Carbon Tetrachloride	PPBv	ND	10/25/05	TPH	0.5			
Chlorobenzene	PPBv	ND	10/25/05	TPH	0.5			
Chlorodibromomethane	PPBv	ND	10/25/05	TPH	0.5			
Chloroethane	PPBv	ND	10/25/05	TPH	0.5			
Chloroform	PPBv	24.	10/25/05	TPH	0.5			
Chloromethane	PPBv	ND	10/25/05	TPH	0.5			
Cyclohexane	PPBv	ND	10/25/05	TPH	0.5			
1,2-Dibromoethane	PPBv	ND	10/25/05	TPH	0.5			
1,2-Dichlorobenzene	PPBv	ND	10/25/05	TPH	0.5			
1,3-Dichlorobenzene	PPBv	ND	10/25/05	TPH	0.5			
1,4-Dichlorobenzene	PPBv	ND	10/25/05	TPH	0.5			
Dichlorodifluoromethane	PPBv	2.7	10/25/05	TPH	0.5			
1,1-Dichloroethane	PPBv	0.5	10/25/05	TPH	0.5			
1,2-Dichloroethane	PPBv	ND	10/25/05	TPH	0.5			
1,1-Dichloroethylene	PPBv	ND	10/25/05	TPH	0.5			
cis-1,2-Dichloroethylene	PPBv	50.	10/25/05	TPH	0.5			
t-1,2-Dichloroethylene	PPBv	ND	10/25/05	TPH	0.5			
1,2-Dichloropropane	PPBv	ND	10/25/05	TPH	0.5			
cis-1,3-Dichloropropene	PPBv	ND	10/25/05	TPH	0.5			
trans-1,3-Dichloropropene	PPBv	ND	10/25/05	TPH	0.5			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	10/25/05	TPH	0.5			
Ethanol	PPBv	ND	10/25/05	TPH	0.5			

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* = See end of report for comments and notes applying to this sample



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

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10/28/2005
Page 11 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: VW-5AB

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Sample ID : 05B40420

Sampled : 10/10/2005
(CT-2154)

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Ethyl Acetate	PPBv	ND	10/25/05	TPH	0.5			
Ethylbenzene	PPBv	ND	10/25/05	TPH	0.5			
4-Ethyl Toluene	PPBv	ND	10/25/05	TPH	0.5			
n-Heptane	PPBv	ND	10/25/05	TPH	0.5			
Hexachlorobutadiene	PPBv	ND	10/25/05	TPH	2.0			
Hexane	PPBv	ND	10/25/05	TPH	0.5			
2-Hexanone	PPBv	ND	10/25/05	TPH	0.5			
Isopropanol	PPBv	ND	10/25/05	TPH	0.5			
Methyl tert-Butyl Ether (MTBE)	PPBv	0.5	10/25/05	TPH	0.5			
Methylene Chloride	PPBv	30.	10/25/05	TPH	0.5			
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	10/25/05	TPH	0.5			
Propene	PPBv	ND	10/25/05	TPH	0.5			
Styrene	PPBv	ND	10/25/05	TPH	0.5			
1,1,2,2-Tetrachloroethane	PPBv	ND	10/25/05	TPH	0.5			
Tetrachloroethylene	PPBv	80.	10/25/05	TPH	0.5			
Tetrahydrofuran	PPBv	ND	10/25/05	TPH	0.5			
Toluene	PPBv	1.0	10/25/05	TPH	0.5			
1,2,4-Trichlorobenzene	PPBv	ND	10/25/05	TPH	5.0			
1,1,1-Trichloroethane	PPBv	ND	10/25/05	TPH	0.5			
1,1,2-Trichloroethane	PPBv	ND	10/25/05	TPH	0.5			
Trichloroethylene	PPBv	3.0	10/25/05	TPH	0.5			
Trichlorofluoromethane (Freon 11)	PPBv	5.6	10/25/05	TPH	0.5			
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	10/25/05	TPH	0.5			
1,2,4-Trimethylbenzene	PPBv	ND	10/25/05	TPH	0.5			
1,3,5-Trimethylbenzene	PPBv	ND	10/25/05	TPH	0.5			
Vinyl Acetate	PPBv	0.7	10/25/05	TPH	0.5			
Vinyl Chloride	PPBv	ND	10/25/05	TPH	0.5			
m/p-Xylene	PPBv	ND	10/25/05	TPH	1.0			
o-Xylene	PPBv	ND	10/25/05	TPH	0.5			

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Purchase Order No.:

10/28/2005

Page 12 of 31

Project Location: SOUTH MESA

Date Received: 10/12/2005

Field Sample #: VW-5AB

LIMS-BAT #: LIMS-92428

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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10/28/2005
Page 13 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: VW-7B

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Sample ID : 05B40421

Sampled : 10/10/2005
(CT 1375)

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	PPBv	ND	10/25/05	TPH	10.		
Benzene	PPBv	ND	10/25/05	TPH	10.		
Benzyl Chloride	PPBv	ND	10/25/05	TPH	40.		
Bromodichloromethane	PPBv	ND	10/25/05	TPH	10.		
Bromomethane	PPBv	ND	10/25/05	TPH	10.		
1,3-Butadiene	PPBv	ND	10/25/05	TPH	10.		
2-Butanone (MEK)	PPBv	ND	10/25/05	TPH	10.		
Carbon Disulfide	PPBv	ND	10/25/05	TPH	10.		
Carbon Tetrachloride	PPBv	ND	10/25/05	TPH	10.		
Chlorobenzene	PPBv	ND	10/25/05	TPH	10.		
Chlorodibromomethane	PPBv	ND	10/25/05	TPH	10.		
Chloroethane	PPBv	ND	10/25/05	TPH	10.		
Chloroform	PPBv	14.	10/25/05	TPH	10.		
Chloromethane	PPBv	ND	10/25/05	TPH	10.		
Cyclohexane	PPBv	ND	10/25/05	TPH	10.		
1,2-Dibromoethane	PPBv	ND	10/25/05	TPH	10.		
1,2-Dichlorobenzene	PPBv	ND	10/25/05	TPH	10.		
1,3-Dichlorobenzene	PPBv	ND	10/25/05	TPH	10.		
1,4-Dichlorobenzene	PPBv	ND	10/25/05	TPH	10.		
Dichlorodifluoromethane	PPBv	ND	10/25/05	TPH	10.		
1,1-Dichloroethane	PPBv	52.	10/25/05	TPH	10.		
1,2-Dichloroethane	PPBv	ND	10/25/05	TPH	10.		
1,1-Dichloroethylene	PPBv	34.	10/25/05	TPH	10.		
cis-1,2-Dichloroethylene	PPBv	ND	10/25/05	TPH	10.		
t-1,2-Dichloroethylene	PPBv	ND	10/25/05	TPH	10.		
1,2-Dichloropropane	PPBv	18.	10/25/05	TPH	10.		
cis-1,3-Dichloropropene	PPBv	ND	10/25/05	TPH	10.		
trans-1,3-Dichloropropene	PPBv	ND	10/25/05	TPH	10.		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	10/25/05	TPH	10.		
Ethanol	PPBv	ND	10/25/05	TPH	10.		

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10/28/2005
Page 14 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: VW-7B

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Sample ID : 05B40421

Sampled : 10/10/2005
(CT 1375)

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	PPBv	ND	10/25/05	TPH	10.		
Ethylbenzene	PPBv	ND	10/25/05	TPH	10.		
4-Ethyl Toluene	PPBv	ND	10/25/05	TPH	10.		
n-Heptane	PPBv	ND	10/25/05	TPH	10.		
Hexachlorobutadiene	PPBv	ND	10/25/05	TPH	40.		
Hexane	PPBv	ND	10/25/05	TPH	10.		
2-Hexanone	PPBv	ND	10/25/05	TPH	10.		
Isopropanol	PPBv	ND	10/25/05	TPH	10.		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	10/25/05	TPH	10.		
Methylene Chloride	PPBv	ND	10/25/05	TPH	10.		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	10/25/05	TPH	10.		
Propene	PPBv	ND	10/25/05	TPH	10.		
Styrene	PPBv	ND	10/25/05	TPH	10.		
1,1,2,2-Tetrachloroethane	PPBv	ND	10/25/05	TPH	10.		
Tetrachloroethylene	PPBv	840	10/25/05	TPH	10.		
Tetrahydrofuran	PPBv	ND	10/25/05	TPH	10.		
Toluene	PPBv	ND	10/25/05	TPH	10.		
1,2,4-Trichlorobenzene	PPBv	ND	10/25/05	TPH	100		
1,1,1-Trichloroethane	PPBv	ND	10/25/05	TPH	10.		
1,1,2-Trichloroethane	PPBv	ND	10/25/05	TPH	10.		
Trichloroethylene	PPBv	ND	10/25/05	TPH	10.		
Trichlorofluoromethane (Freon 11)	PPBv	ND	10/25/05	TPH	10.		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	10/25/05	TPH	10.		
1,2,4-Trimethylbenzene	PPBv	ND	10/25/05	TPH	10.		
1,3,5-Trimethylbenzene	PPBv	ND	10/25/05	TPH	10.		
Vinyl Acetate	PPBv	ND	10/25/05	TPH	10.		
Vinyl Chloride	PPBv	ND	10/25/05	TPH	10.		
m/p-Xylene	PPBv	ND	10/25/05	TPH	20.		
o-Xylene	PPBv	ND	10/25/05	TPH	10.		

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10/28/2005

Page 15 of 31

Purchase Order No.:

Project Location: SOUTH MESA

Date Received: 10/12/2005

LIMS-BAT #: LIMS-92428

Job Number: 4972-04-2034

Field Sample #: VW-7B

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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10/28/2005
Page 16 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: EFF

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Sample ID : 05B40417

Sampled : 10/10/2005
(CT-1339)

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	ND	10/20/05	TPH	1.2		
Benzene	ug/m3	ND	10/20/05	TPH	1.6		
Benzyl Chloride	ug/m3	ND	10/20/05	TPH	11.		
Bromodichloromethane	ug/m3	ND	10/20/05	TPH	3.4		
Bromomethane	ug/m3	ND	10/20/05	TPH	2.0		
1,3-Butadiene	ug/m3	ND	10/20/05	TPH	1.1		
2-Butanone (MEK)	ug/m3	8.4	10/20/05	TPH	1.5		
Carbon Disulfide	ug/m3	ND	10/20/05	TPH	1.6		
Carbon Tetrachloride	ug/m3	ND	10/20/05	TPH	3.1		
Chlorobenzene	ug/m3	ND	10/20/05	TPH	2.3		
Chlorodibromomethane	ug/m3	ND	10/20/05	TPH	4.3		
Chloroethane	ug/m3	ND	10/20/05	TPH	1.4		
Chloroform	ug/m3	4.5	10/20/05	TPH	2.4		
Chloromethane	ug/m3	ND	10/20/05	TPH	1.1		
Cyclohexane	ug/m3	2.9	10/20/05	TPH	1.7		
1,2-Dibromoethane	ug/m3	ND	10/20/05	TPH	3.9		
1,2-Dichlorobenzene	ug/m3	ND	10/20/05	TPH	3.1		
1,3-Dichlorobenzene	ug/m3	ND	10/20/05	TPH	3.1		
1,4-Dichlorobenzene	ug/m3	ND	10/20/05	TPH	3.1		
Dichlorodifluoromethane	ug/m3	6.3	10/20/05	TPH	2.5		
1,1-Dichloroethane	ug/m3	8.0	10/20/05	TPH	2.0		
1,2-Dichloroethane	ug/m3	ND	10/20/05	TPH	2.1		
1,1-Dichloroethylene	ug/m3	5.8	10/20/05	TPH	2.0		
cis-1,2-Dichloroethylene	ug/m3	9.1	10/20/05	TPH	2.0		
t-1,2-Dichloroethylene	ug/m3	ND	10/20/05	TPH	2.0		
1,2-Dichloropropane	ug/m3	ND	10/20/05	TPH	2.4		
cis-1,3-Dichloropropene	ug/m3	ND	10/20/05	TPH	2.3		
trans-1,3-Dichloropropene	ug/m3	ND	10/20/05	TPH	2.3		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	10/20/05	TPH	3.5		
Ethanol	ug/m3	1.5	10/20/05	TPH	0.9		

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10/28/2005
Page 17 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: EFF

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Sample ID : 05B40417

Sampled : 10/10/2005
(CT-1339)

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	6.4	10/20/05	TPH	1.8		
Ethylbenzene	ug/m3	2.2	10/20/05	TPH	2.2		
4-Ethyl Toluene	ug/m3	ND	10/20/05	TPH	2.5		
n-Heptane	ug/m3	ND	10/20/05	TPH	2.0		
Hexachlorobutadiene	ug/m3	ND	10/20/05	TPH	22.		
Hexane	ug/m3	5.3	10/20/05	TPH	1.8		
2-Hexanone	ug/m3	ND	10/20/05	TPH	2.0		
Isopropanol	ug/m3	ND	10/20/05	TPH	1.2		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	10/20/05	TPH	1.8		
Methylene Chloride	ug/m3	17.	10/20/05	TPH	1.7		
4-Methyl-2-Pentanone (MIBK)	ug/m3	2.6	10/20/05	TPH	2.0		
Propene	ug/m3	ND	10/20/05	TPH	0.9		
Styrene	ug/m3	ND	10/20/05	TPH	2.2		
1,1,2,2-Tetrachloroethane	ug/m3	ND	10/20/05	TPH	3.5		
Tetrachloroethylene	ug/m3	ND	10/20/05	TPH	3.4		
Tetrahydrofuran	ug/m3	ND	10/20/05	TPH	1.5		
Toluene	ug/m3	38.	10/20/05	TPH	1.9		
1,2,4-Trichlorobenzene	ug/m3	ND	10/20/05	TPH	38.		
1,1,1-Trichloroethane	ug/m3	ND	10/20/05	TPH	2.8		
1,1,2-Trichloroethane	ug/m3	ND	10/20/05	TPH	2.8		
Trichloroethylene	ug/m3	62.	10/20/05	TPH	2.7		
Trichlorofluoromethane	ug/m3	ND	10/20/05	TPH	2.9		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	10/20/05	TPH	3.9		
1,2,4-Trimethylbenzene	ug/m3	ND	10/20/05	TPH	2.5		
1,3,5-Trimethylbenzene	ug/m3	ND	10/20/05	TPH	2.5		
Vinyl Acetate	ug/m3	3.7	10/20/05	TPH	1.8		
Vinyl Chloride	ug/m3	ND	10/20/05	TPH	1.3		
m/p-Xylene	ug/m3	5.6	10/20/05	TPH	4.3		
o-Xylene	ug/m3	2.3	10/20/05	TPH	2.2		

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Purchase Order No.:

10/28/2005

Page 18 of 31

Project Location: SOUTH MESA

Date Received: 10/12/2005

LIMS-BAT #: LIMS-92428

Job Number: 4972-04-2034

Field Sample #: EFF

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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10/28/2005
Page 19 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: INF

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Sample ID : 05B40419

Sampled : 10/10/2005
(CT-4399)

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Acetone	ug/m3	20.	10/25/05	TPH	1.2		
Benzene	ug/m3	ND	10/25/05	TPH	1.6		
Benzyl Chloride	ug/m3	ND	10/25/05	TPH	11.		
Bromodichloromethane	ug/m3	3.8	10/25/05	TPH	3.4		
Bromomethane	ug/m3	ND	10/25/05	TPH	2.0		
1,3-Butadiene	ug/m3	ND	10/25/05	TPH	1.1		
2-Butanone (MEK)	ug/m3	8.0	10/25/05	TPH	1.5		
Carbon Disulfide	ug/m3	36.	10/25/05	TPH	1.6		
Carbon Tetrachloride	ug/m3	ND	10/25/05	TPH	3.1		
Chlorobenzene	ug/m3	ND	10/25/05	TPH	2.3		
Chlorodibromomethane	ug/m3	ND	10/25/05	TPH	4.3		
Chloroethane	ug/m3	ND	10/25/05	TPH	1.4		
Chloroform	ug/m3	13.	10/25/05	TPH	2.4		
Chloromethane	ug/m3	ND	10/25/05	TPH	1.1		
Cyclohexane	ug/m3	ND	10/25/05	TPH	1.7		
1,2-Dibromoethane	ug/m3	ND	10/25/05	TPH	3.9		
1,2-Dichlorobenzene	ug/m3	ND	10/25/05	TPH	3.1		
1,3-Dichlorobenzene	ug/m3	ND	10/25/05	TPH	3.1		
1,4-Dichlorobenzene	ug/m3	ND	10/25/05	TPH	3.1		
Dichlorodifluoromethane	ug/m3	5.8	10/25/05	TPH	2.5		
1,1-Dichloroethane	ug/m3	22.	10/25/05	TPH	2.0		
1,2-Dichloroethane	ug/m3	ND	10/25/05	TPH	2.1		
1,1-Dichloroethylene	ug/m3	15.	10/25/05	TPH	2.0		
cis-1,2-Dichloroethylene	ug/m3	13.	10/25/05	TPH	2.0		
t-1,2-Dichloroethylene	ug/m3	ND	10/25/05	TPH	2.0		
1,2-Dichloropropane	ug/m3	9.5	10/25/05	TPH	2.3		
cis-1,3-Dichloropropene	ug/m3	ND	10/25/05	TPH	2.3		
trans-1,3-Dichloropropene	ug/m3	ND	10/25/05	TPH	2.3		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	10/25/05	TPH	3.5		
Ethanol	ug/m3	6.0	10/25/05	TPH	0.9		

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

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3630 EAST WIER AVENUE
PHOENIX, AZ 85040

10/28/2005
Page 20 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: INF

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Sample ID : 05B40419

Sampled : 10/10/2005
(CT-4399)

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	10/25/05	TPH	1.8		
Ethylbenzene	ug/m3	ND	10/25/05	TPH	2.2		
4-Ethyl Toluene	ug/m3	ND	10/25/05	TPH	2.5		
n-Heptane	ug/m3	ND	10/25/05	TPH	2.0		
Hexachlorobutadiene	ug/m3	ND	10/25/05	TPH	22.		
Hexane	ug/m3	ND	10/25/05	TPH	1.8		
2-Hexanone	ug/m3	ND	10/25/05	TPH	2.0		
Isopropanol	ug/m3	ND	10/25/05	TPH	1.2		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	10/25/05	TPH	1.8		
Methylene Chloride	ug/m3	7.0	10/25/05	TPH	1.7		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	10/25/05	TPH	2.0		
Propene	ug/m3	1.4	10/25/05	TPH	0.9		
Styrene	ug/m3	ND	10/25/05	TPH	2.2		
1,1,2,2-Tetrachloroethane	ug/m3	ND	10/25/05	TPH	3.5		
Tetrachloroethylene	ug/m3	1000	10/25/05	TPH	3.4		
Tetrahydrofuran	ug/m3	2.6	10/25/05	TPH	1.5		
Toluene	ug/m3	4.4	10/25/05	TPH	1.9		
1,2,4-Trichlorobenzene	ug/m3	ND	10/25/05	TPH	38.		
1,1,1-Trichloroethane	ug/m3	ND	10/25/05	TPH	2.8		
1,1,2-Trichloroethane	ug/m3	ND	10/25/05	TPH	2.8		
Trichloroethylene	ug/m3	4.2	10/25/05	TPH	2.7		
Trichlorofluoromethane	ug/m3	7.0	10/25/05	TPH	2.8		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	10/25/05	TPH	3.9		
1,2,4-Trimethylbenzene	ug/m3	ND	10/25/05	TPH	2.5		
1,3,5-Trimethylbenzene	ug/m3	ND	10/25/05	TPH	2.5		
Vinyl Acetate	ug/m3	3.8	10/25/05	TPH	1.8		
Vinyl Chloride	ug/m3	ND	10/25/05	TPH	1.3		
m/p-Xylene	ug/m3	ND	10/25/05	TPH	4.4		
o-Xylene	ug/m3	ND	10/25/05	TPH	2.2		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

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* = See end of report for comments and notes applying to this sample



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Purchase Order No.:

10/28/2005

Page 21 of 31

Project Location: SOUTH MESA

Date Received: 10/12/2005

LIMS-BAT #: LIMS-92428

Job Number: 4972-04-2034

Field Sample #: INF

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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10/28/2005
Page 22 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: INT

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Sample ID : 05B40418

Sampled : 10/10/2005
(CT-1499)

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	7.5	10/20/05	TPH	1.2		
Benzene	ug/m3	ND	10/20/05	TPH	1.6		
Benzyl Chloride	ug/m3	ND	10/20/05	TPH	11.		
Bromodichloromethane	ug/m3	ND	10/20/05	TPH	3.4		
Bromomethane	ug/m3	ND	10/20/05	TPH	2.0		
1,3-Butadiene	ug/m3	ND	10/20/05	TPH	1.1		
2-Butanone (MEK)	ug/m3	ND	10/20/05	TPH	1.5		
Carbon Disulfide	ug/m3	ND	10/20/05	TPH	1.6		
Carbon Tetrachloride	ug/m3	ND	10/20/05	TPH	3.1		
Chlorobenzene	ug/m3	ND	10/20/05	TPH	2.3		
Chlorodibromomethane	ug/m3	ND	10/20/05	TPH	4.3		
Chloroethane	ug/m3	ND	10/20/05	TPH	1.4		
Chloroform	ug/m3	3.3	10/20/05	TPH	2.4		
Chloromethane	ug/m3	ND	10/20/05	TPH	1.1		
Cyclohexane	ug/m3	ND	10/20/05	TPH	1.7		
1,2-Dibromoethane	ug/m3	ND	10/20/05	TPH	3.9		
1,2-Dichlorobenzene	ug/m3	ND	10/20/05	TPH	3.1		
1,3-Dichlorobenzene	ug/m3	ND	10/20/05	TPH	3.1		
1,4-Dichlorobenzene	ug/m3	ND	10/20/05	TPH	3.1		
Dichlorodifluoromethane	ug/m3	5.8	10/20/05	TPH	2.5		
1,1-Dichloroethane	ug/m3	9.4	10/20/05	TPH	2.0		
1,2-Dichloroethane	ug/m3	ND	10/20/05	TPH	2.1		
1,1-Dichloroethylene	ug/m3	12.	10/20/05	TPH	2.0		
cis-1,2-Dichloroethylene	ug/m3	3.9	10/20/05	TPH	2.0		
t-1,2-Dichloroethylene	ug/m3	ND	10/20/05	TPH	2.0		
1,2-Dichloropropane	ug/m3	ND	10/20/05	TPH	2.4		
cis-1,3-Dichloropropene	ug/m3	ND	10/20/05	TPH	2.3		
trans-1,3-Dichloropropene	ug/m3	ND	10/20/05	TPH	2.3		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	10/20/05	TPH	3.5		
Ethanol	ug/m3	4.7	10/20/05	TPH	0.9		

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10/28/2005
Page 23 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: INT

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Sample ID : 05B40418

Sampled : 10/10/2005
(CT-1499)

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Ethyl Acetate	ug/m3	ND	10/20/05	TPH	1.8		
Ethylbenzene	ug/m3	ND	10/20/05	TPH	2.2		
4-Ethyl Toluene	ug/m3	ND	10/20/05	TPH	2.5		
n-Heptane	ug/m3	ND	10/20/05	TPH	2.0		
Hexachlorobutadiene	ug/m3	ND	10/20/05	TPH	22.		
Hexane	ug/m3	ND	10/20/05	TPH	1.8		
2-Hexanone	ug/m3	ND	10/20/05	TPH	2.0		
Isopropanol	ug/m3	ND	10/20/05	TPH	1.2		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	10/20/05	TPH	1.8		
Methylene Chloride	ug/m3	8.0	10/20/05	TPH	1.7		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	10/20/05	TPH	2.0		
Propene	ug/m3	1.5	10/20/05	TPH	0.9		
Styrene	ug/m3	ND	10/20/05	TPH	2.2		
1,1,2,2-Tetrachloroethane	ug/m3	ND	10/20/05	TPH	3.5		
Tetrachloroethylene	ug/m3	210	10/20/05	TPH	3.4		
Tetrahydrofuran	ug/m3	ND	10/20/05	TPH	1.5		
Toluene	ug/m3	ND	10/20/05	TPH	1.9		
1,2,4-Trichlorobenzene	ug/m3	ND	10/20/05	TPH	38.		
1,1,1-Trichloroethane	ug/m3	ND	10/20/05	TPH	2.8		
1,1,2-Trichloroethane	ug/m3	ND	10/20/05	TPH	2.8		
Trichloroethylene	ug/m3	3.3	10/20/05	TPH	2.7		
Trichlorofluoromethane	ug/m3	5.6	10/20/05	TPH	2.8		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	10/20/05	TPH	3.9		
1,2,4-Trimethylbenzene	ug/m3	ND	10/20/05	TPH	2.5		
1,3,5-Trimethylbenzene	ug/m3	ND	10/20/05	TPH	2.5		
Vinyl Acetate	ug/m3	ND	10/20/05	TPH	1.8		
Vinyl Chloride	ug/m3	ND	10/20/05	TPH	1.3		
m/p-Xylene	ug/m3	ND	10/20/05	TPH	4.4		
o-Xylene	ug/m3	ND	10/20/05	TPH	2.2		

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Purchase Order No.:

10/28/2005

Page 24 of 31

Project Location: SOUTH MESA

Date Received: 10/12/2005

LIMS-BAT #: LIMS-92428

Job Number: 4972-04-2034

Field Sample #: INT

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Purchase Order No.:

10/28/2005

Page 25 of 31

Project Location: SOUTH MESA

Date Received: 10/12/2005

Field Sample #: VW-5AB

LIMS-BAT #: LIMS-92428

Job Number: 4972-04-2034

Sample ID: 05B40420

Sampled: 10/10/2005

(CT-2154)

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Acetone	ug/m3	ND	10/25/05	TPH	1.2			
Benzene	ug/m3	ND	10/25/05	TPH	1.6			
Benzyl Chloride	ug/m3	ND	10/25/05	TPH	11.			
Bromodichloromethane	ug/m3	34.	10/25/05	TPH	3.4			
Bromomethane	ug/m3	ND	10/25/05	TPH	2.0			
1,3-Butadiene	ug/m3	ND	10/25/05	TPH	1.1			
2-Butanone (MEK)	ug/m3	10.	10/25/05	TPH	1.5			
Carbon Disulfide	ug/m3	16.	10/25/05	TPH	1.6			
Carbon Tetrachloride	ug/m3	ND	10/25/05	TPH	3.1			
Chlorobenzene	ug/m3	ND	10/25/05	TPH	2.3			
Chlorodibromomethane	ug/m3	ND	10/25/05	TPH	4.3			
Chloroethane	ug/m3	ND	10/25/05	TPH	1.4			
Chloroform	ug/m3	120	10/25/05	TPH	2.4			
Chloromethane	ug/m3	ND	10/25/05	TPH	1.1			
Cyclohexane	ug/m3	ND	10/25/05	TPH	1.7			
1,2-Dibromoethane	ug/m3	ND	10/25/05	TPH	3.9			
1,2-Dichlorobenzene	ug/m3	ND	10/25/05	TPH	3.1			
1,3-Dichlorobenzene	ug/m3	ND	10/25/05	TPH	3.1			
1,4-Dichlorobenzene	ug/m3	ND	10/25/05	TPH	3.1			
Dichlorodifluoromethane	ug/m3	13.	10/25/05	TPH	2.5			
1,1-Dichloroethane	ug/m3	2.2	10/25/05	TPH	2.0			
1,2-Dichloroethane	ug/m3	ND	10/25/05	TPH	2.1			
1,1-Dichloroethylene	ug/m3	ND	10/25/05	TPH	2.0			
cis-1,2-Dichloroethylene	ug/m3	200	10/25/05	TPH	2.0			
t-1,2-Dichloroethylene	ug/m3	ND	10/25/05	TPH	2.0			
1,2-Dichloropropane	ug/m3	ND	10/25/05	TPH	2.4			
cis-1,3-Dichloropropene	ug/m3	ND	10/25/05	TPH	2.3			
trans-1,3-Dichloropropene	ug/m3	ND	10/25/05	TPH	2.3			
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	10/25/05	TPH	3.5			
Ethanol	ug/m3	ND	10/25/05	TPH	0.9			

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10/28/2005
Page 26 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: VW-5AB

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Sample ID : 05B40420

Sampled : 10/10/2005
(CT-2154)

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Ethyl Acetate	ug/m3	ND	10/25/05	TPH	1.8		
Ethylbenzene	ug/m3	ND	10/25/05	TPH	2.2		
4-Ethyl Toluene	ug/m3	ND	10/25/05	TPH	2.5		
n-Heptane	ug/m3	ND	10/25/05	TPH	2.0		
Hexachlorobutadiene	ug/m3	ND	10/25/05	TPH	22.		
Hexane	ug/m3	ND	10/25/05	TPH	1.8		
2-Hexanone	ug/m3	ND	10/25/05	TPH	2.0		
Isopropanol	ug/m3	ND	10/25/05	TPH	1.2		
Methyl tert-Butyl Ether (MTBE)	ug/m3	1.9	10/25/05	TPH	1.8		
Methylene Chloride	ug/m3	100	10/25/05	TPH	1.7		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	10/25/05	TPH	2.0		
Propene	ug/m3	ND	10/25/05	TPH	0.9		
Styrene	ug/m3	ND	10/25/05	TPH	2.2		
1,1,2,2-Tetrachloroethane	ug/m3	ND	10/25/05	TPH	3.5		
Tetrachloroethylene	ug/m3	540	10/25/05	TPH	3.4		
Tetrahydrofuran	ug/m3	ND	10/25/05	TPH	1.5		
Toluene	ug/m3	3.7	10/25/05	TPH	1.9		
1,2,4-Trichlorobenzene	ug/m3	ND	10/25/05	TPH	38.		
1,1,1-Trichloroethane	ug/m3	ND	10/25/05	TPH	2.8		
1,1,2-Trichloroethane	ug/m3	ND	10/25/05	TPH	2.8		
Trichloroethylene	ug/m3	16.	10/25/05	TPH	2.7		
Trichlorofluoromethane	ug/m3	32.	10/25/05	TPH	2.8		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	10/25/05	TPH	3.9		
1,2,4-Trimethylbenzene	ug/m3	ND	10/25/05	TPH	2.5		
1,3,5-Trimethylbenzene	ug/m3	ND	10/25/05	TPH	2.5		
Vinyl Acetate	ug/m3	2.6	10/25/05	TPH	1.8		
Vinyl Chloride	ug/m3	ND	10/25/05	TPH	1.3		
m/p-Xylene	ug/m3	ND	10/25/05	TPH	4.4		
o-Xylene	ug/m3	ND	10/25/05	TPH	2.2		

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Purchase Order No.:

10/28/2005

Page 27 of 31

Project Location: SOUTH MESA

Date Received: 10/12/2005

Field Sample #: VW-5AB

LIMS-BAT #: LIMS-92428

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Purchase Order No.:

10/28/2005

Page 28 of 31

Project Location: SOUTH MESA

Date Received: 10/12/2005

Field Sample #: VW-7B

LIMS-BAT #: LIMS-92428

Job Number: 4972-04-2034

Sample ID : 05B40421

Sampled : 10/10/2005

(CT 1375)

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	ND	10/25/05	TPH	24.		
Benzene	ug/m3	ND	10/25/05	TPH	32.		
Benzyl Chloride	ug/m3	ND	10/25/05	TPH	210		
Bromodichloromethane	ug/m3	ND	10/25/05	TPH	68.		
Bromomethane	ug/m3	ND	10/25/05	TPH	39.		
1,3-Butadiene	ug/m3	ND	10/25/05	TPH	22.		
2-Butanone (MEK)	ug/m3	ND	10/25/05	TPH	30.		
Carbon Disulfide	ug/m3	ND	10/25/05	TPH	32.		
Carbon Tetrachloride	ug/m3	ND	10/25/05	TPH	62.		
Chlorobenzene	ug/m3	ND	10/25/05	TPH	46.		
Chlorodibromomethane	ug/m3	ND	10/25/05	TPH	86.		
Chloroethane	ug/m3	ND	10/25/05	TPH	27.		
Chloroform	ug/m3	67.	10/25/05	TPH	49.		
Chloromethane	ug/m3	ND	10/25/05	TPH	21.		
Cyclohexane	ug/m3	ND	10/25/05	TPH	34.		
1,2-Dibromoethane	ug/m3	ND	10/25/05	TPH	77.		
1,2-Dichlorobenzene	ug/m3	ND	10/25/05	TPH	61.		
1,3-Dichlorobenzene	ug/m3	ND	10/25/05	TPH	61.		
1,4-Dichlorobenzene	ug/m3	ND	10/25/05	TPH	61.		
Dichlorodifluoromethane	ug/m3	ND	10/25/05	TPH	50.		
1,1-Dichloroethane	ug/m3	210	10/25/05	TPH	40.		
1,2-Dichloroethane	ug/m3	ND	10/25/05	TPH	41.		
1,1-Dichloroethylene	ug/m3	140	10/25/05	TPH	40.		
cis-1,2-Dichloroethylene	ug/m3	ND	10/25/05	TPH	40.		
t-1,2-Dichloroethylene	ug/m3	ND	10/25/05	TPH	40.		
1,2-Dichloropropane	ug/m3	85.	10/25/05	TPH	46.		
cis-1,3-Dichloropropene	ug/m3	ND	10/25/05	TPH	46.		
trans-1,3-Dichloropropene	ug/m3	ND	10/25/05	TPH	46.		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	10/25/05	TPH	70.		
Ethanol	ug/m3	ND	10/25/05	TPH	18.		

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10/28/2005
Page 29 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: VW-7B

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Sample ID : 05B40421

Sampled : 10/10/2005
(CT 1375)

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Ethyl Acetate	ug/m3	ND	10/25/05	TPH	36.			
Ethylbenzene	ug/m3	ND	10/25/05	TPH	44.			
4-Ethyl Toluene	ug/m3	ND	10/25/05	TPH	50.			
n-Heptane	ug/m3	ND	10/25/05	TPH	40.			
Hexachlorobutadiene	ug/m3	ND	10/25/05	TPH	430			
Hexane	ug/m3	ND	10/25/05	TPH	36.			
2-Hexanone	ug/m3	ND	10/25/05	TPH	40.			
Isopropanol	ug/m3	ND	10/25/05	TPH	24.			
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	10/25/05	TPH	36.			
Methylene Chloride	ug/m3	ND	10/25/05	TPH	35.			
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	10/25/05	TPH	40.			
Propene	ug/m3	ND	10/25/05	TPH	18.			
Styrene	ug/m3	ND	10/25/05	TPH	43.			
1,1,2,2-Tetrachloroethane	ug/m3	ND	10/25/05	TPH	69.			
Tetrachloroethylene	ug/m3	5700	10/25/05	TPH	68.			
Tetrahydrofuran	ug/m3	ND	10/25/05	TPH	30.			
Toluene	ug/m3	ND	10/25/05	TPH	38.			
1,2,4-Trichlorobenzene	ug/m3	ND	10/25/05	TPH	750			
1,1,1-Trichloroethane	ug/m3	ND	10/25/05	TPH	55.			
1,1,2-Trichloroethane	ug/m3	ND	10/25/05	TPH	55.			
Trichloroethylene	ug/m3	ND	10/25/05	TPH	54.			
Trichlorofluoromethane	ug/m3	ND	10/25/05	TPH	57.			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	10/25/05	TPH	77.			
1,2,4-Trimethylbenzene	ug/m3	ND	10/25/05	TPH	50.			
1,3,5-Trimethylbenzene	ug/m3	ND	10/25/05	TPH	50.			
Vinyl Acetate	ug/m3	ND	10/25/05	TPH	36.			
Vinyl Chloride	ug/m3	ND	10/25/05	TPH	26.			
m/p-Xylene	ug/m3	ND	10/25/05	TPH	87.			
o-Xylene	ug/m3	ND	10/25/05	TPH	44.			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



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JIM CLARKE

MACTEC ENGINEERING & CONSULTING - AZ

3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Purchase Order No.:

10/28/2005

Page 30 of 31

Project Location: SOUTH MESA

Date Received: 10/12/2005

Field Sample #: VW-7B

LIMS-BAT #: LIMS-92428

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Page 31 of 31

LIMS-BAT #: LIMS-92428

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**** END OF REPORT ****

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QC SUMMARY REPORT

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Method Blanks

Report Date: 10/28/2005

Lims Bat #: LIMS-92428

Page 1 of 7

QC Batch Number: BATCH-9972

Sample Id	Analysis	QC Analysis	Values	Units	Limits
05B40417	4-Bromofluorobenzene	Surrogate Recovery	90.9	%	70-130
05B40418	4-Bromofluorobenzene	Surrogate Recovery	91.8	%	70-130
05B40419	4-Bromofluorobenzene	Surrogate Recovery	82.6	%	70-130
05B40420	4-Bromofluorobenzene	Surrogate Recovery	85.4	%	70-130
05B40421	4-Bromofluorobenzene	Surrogate Recovery	84.9	%	70-130
BLANK-80023	Acetone	Blank	<1.2	ug/m3	
	Benzene	Blank	<1.6	ug/m3	
	Carbon Tetrachloride	Blank	<3.1	ug/m3	
	Chloroform	Blank	<2.5	ug/m3	
	1,2-Dichloroethane	Blank	<2.1	ug/m3	
	1,4-Dichlorobenzene	Blank	<3.1	ug/m3	
	Ethyl Acetate	Blank	<1.8	ug/m3	
	Ethylbenzene	Blank	<2.2	ug/m3	
	Hexane	Blank	<1.8	ug/m3	
	Isopropanol	Blank	<1.2	ug/m3	
	2-Butanone (MEK)	Blank	<1.5	ug/m3	
	4-Methyl-2-Pentanone (MIBK)	Blank	<2.0	ug/m3	
	Styrene	Blank	<2.2	ug/m3	
	Tetrachloroethylene	Blank	<3.4	ug/m3	
	Toluene	Blank	<1.9	ug/m3	
	1,1,1-Trichloroethane	Blank	<2.8	ug/m3	
	Trichloroethylene	Blank	<2.7	ug/m3	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<3.9	ug/m3	
	Trichlorofluoromethane	Blank	<2.9	ug/m3	
	o-Xylene	Blank	<2.2	ug/m3	
	m/p-Xylene	Blank	<4.4	ug/m3	
	1,2-Dichlorobenzene	Blank	<3.1	ug/m3	
	1,3-Dichlorobenzene	Blank	<3.1	ug/m3	
	1,1-Dichloroethane	Blank	<2.1	ug/m3	
	1,1-Dichloroethylene	Blank	<2.0	ug/m3	
	Ethanol	Blank	<0.9	ug/m3	
	4-Ethyl Toluene	Blank	<2.5	ug/m3	
	Methyl tert-Butyl Ether (MTBE)	Blank	<1.8	ug/m3	
	t-1,2-Dichloroethylene	Blank	<2.0	ug/m3	
	Vinyl Chloride	Blank	<1.3	ug/m3	
	Methylene Chloride	Blank	<1.8	ug/m3	
	Chlorobenzene	Blank	<2.3	ug/m3	
	Chloromethane	Blank	<1.1	ug/m3	



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Method Blanks

Report Date: 10/28/2005

Lims Bat #: LIMS-92428

Page 2 of 7

QC Batch Number: BATCH-9972

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-80023					
	Bromomethane	Blank	<2.0	ug/m3	
	Chloroethane	Blank	<1.4	ug/m3	
	cis-1,3-Dichloropropene	Blank	<2.3	ug/m3	
	trans-1,3-Dichloropropene	Blank	<2.3	ug/m3	
	Chlorodibromomethane	Blank	<4.3	ug/m3	
	1,1,2-Trichloroethane	Blank	<2.8	ug/m3	
	1,1,2,2-Tetrachloroethane	Blank	<3.5	ug/m3	
	Hexachlorobutadiene	Blank	<22.	ug/m3	
	1,2,4-Trichlorobenzene	Blank	<38.	ug/m3	
	1,2,4-Trimethylbenzene	Blank	<2.5	ug/m3	
	1,3,5-Trimethylbenzene	Blank	<2.5	ug/m3	
	Cyclohexane	Blank	<1.7	ug/m3	
	cis-1,2-Dichloroethylene	Blank	<2.0	ug/m3	
	1,2-Dichloropropane	Blank	<2.4	ug/m3	
	Dichlorodifluoromethane	Blank	<2.5	ug/m3	
	Benzyl Chloride	Blank	<11.	ug/m3	
	Carbon Disulfide	Blank	<1.6	ug/m3	
	Vinyl Acetate	Blank	<1.8	ug/m3	
	2-Hexanone	Blank	<2.0	ug/m3	
	Bromodichloromethane	Blank	<3.4	ug/m3	
	1,2-Dibromoethane	Blank	<3.9	ug/m3	
	n-Heptane	Blank	<2.0	ug/m3	
	1,2-Dichlorotetrafluoroethane (114)	Blank	<3.5	ug/m3	
	Tetrahydrofuran	Blank	<1.5	ug/m3	
	Propene	Blank	<0.9	ug/m3	
	1,3-Butadiene	Blank	<1.1	ug/m3	
LFBLANK-45916					
Acetone		Lab Fort Blank Amt.	23.8	ug/m3	
		Lab Fort Blk. Found	23.3	ug/m3	
		Lab Fort Blk. % Rec.	98.2	%	50-150
Benzene		Lab Fort Blank Amt.	31.9	ug/m3	
		Lab Fort Blk. Found	30.0	ug/m3	
		Lab Fort Blk. % Rec.	93.9	%	70-130
Carbon Tetrachloride		Lab Fort Blank Amt.	62.9	ug/m3	
		Lab Fort Blk. Found	56.4	ug/m3	
		Lab Fort Blk. % Rec.	89.7	%	70-130
Chloroform		Lab Fort Blank Amt.	48.7	ug/m3	
		Lab Fort Blk. Found	44.2	ug/m3	
		Lab Fort Blk. % Rec.	90.9	%	70-130
1,2-Dichloroethane		Lab Fort Blank Amt.	40.5	ug/m3	
		Lab Fort Blk. Found	38.3	ug/m3	
		Lab Fort Blk. % Rec.	94.7	%	70-130
1,4-Dichlorobenzene		Lab Fort Blank Amt.	60.1	ug/m3	



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Standard Reference Materials and Duplicates

Method Blanks

Report Date: 10/28/2005

Lims Bat #: LIMS-92428

Page 3 of 7

QC Batch Number: BATCH-9972

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-45916	1,4-Dichlorobenzene	Lab Fort Blk. Found	59.9	ug/m3	
		Lab Fort Blk. % Rec.	99.6	%	70-130
	Ethyl Acetate	Lab Fort Blank Amt.	36.0	ug/m3	
		Lab Fort Blk. Found	39.4	ug/m3	
		Lab Fort Blk. % Rec.	109.4	%	50-150
	Ethylbenzene	Lab Fort Blank Amt.	43.4	ug/m3	
		Lab Fort Blk. Found	41.7	ug/m3	
		Lab Fort Blk. % Rec.	96.1	%	70-130
	Hexane	Lab Fort Blank Amt.	35.2	ug/m3	
		Lab Fort Blk. Found	32.5	ug/m3	
		Lab Fort Blk. % Rec.	92.3	%	70-130
	Isopropanol	Lab Fort Blank Amt.	24.6	ug/m3	
		Lab Fort Blk. Found	27.0	ug/m3	
		Lab Fort Blk. % Rec.	109.7	%	50-150
	2-Butanone (MEK)	Lab Fort Blank Amt.	29.5	ug/m3	
		Lab Fort Blk. Found	32.7	ug/m3	
		Lab Fort Blk. % Rec.	110.9	%	70-130
	4-Methyl-2-Pentanone (MIBK)	Lab Fort Blank Amt.	41.0	ug/m3	
		Lab Fort Blk. Found	45.4	ug/m3	
		Lab Fort Blk. % Rec.	110.9	%	70-130
	Styrene	Lab Fort Blank Amt.	42.5	ug/m3	
		Lab Fort Blk. Found	43.9	ug/m3	
		Lab Fort Blk. % Rec.	103.2	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	67.8	ug/m3	
		Lab Fort Blk. Found	56.7	ug/m3	
		Lab Fort Blk. % Rec.	83.6	%	70-130
	Toluene	Lab Fort Blank Amt.	37.6	ug/m3	
		Lab Fort Blk. Found	34.5	ug/m3	
		Lab Fort Blk. % Rec.	91.8	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	54.6	ug/m3	
		Lab Fort Blk. Found	49.3	ug/m3	
		Lab Fort Blk. % Rec.	90.4	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	53.7	ug/m3	
		Lab Fort Blk. Found	49.7	ug/m3	
		Lab Fort Blk. % Rec.	92.5	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	76.6	ug/m3	
		Lab Fort Blk. Found	66.0	ug/m3	
		Lab Fort Blk. % Rec.	86.1	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	56.2	ug/m3	
		Lab Fort Blk. Found	47.5	ug/m3	
		Lab Fort Blk. % Rec.	84.5	%	70-130
	o-Xylene	Lab Fort Blank Amt.	43.4	ug/m3	
		Lab Fort Blk. Found	42.3	ug/m3	



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Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 10/28/2005

Lims Bat #: LIMS-92428

Page 4 of 7

QC Batch Number: BATCH-9972

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LFBLANK-45916	o-Xylene	Lab Fort Blk. % Rec.	97.3	%	70-130
		Lab Fort Blank Amt.	86.9	ug/m3	
		Lab Fort Blk. Found	85.4	ug/m3	
	m/p-Xylene	Lab Fort Blk. % Rec.	98.3	%	70-130
		Lab Fort Blank Amt.	60.1	ug/m3	
		Lab Fort Blk. Found	57.1	ug/m3	
	1,2-Dichlorobenzene	Lab Fort Blk. % Rec.	95.0	%	70-130
		Lab Fort Blank Amt.	60.1	ug/m3	
		Lab Fort Blk. Found	57.4	ug/m3	
	1,3-Dichlorobenzene	Lab Fort Blk. % Rec.	95.5	%	70-130
		Lab Fort Blank Amt.	40.5	ug/m3	
		Lab Fort Blk. Found	36.7	ug/m3	
	1,1-Dichloroethane	Lab Fort Blk. % Rec.	90.6	%	70-130
		Lab Fort Blank Amt.	39.7	ug/m3	
		Lab Fort Blk. Found	35.5	ug/m3	
	1,1-Dichloroethylene	Lab Fort Blk. % Rec.	89.6	%	70-130
		Lab Fort Blank Amt.	18.8	ug/m3	
		Lab Fort Blk. Found	17.4	ug/m3	
	Ethanol	Lab Fort Blk. % Rec.	92.6	%	50-150
		Lab Fort Blank Amt.	49.2	ug/m3	
		Lab Fort Blk. Found	51.1	ug/m3	
	4-Ethyl Toluene	Lab Fort Blk. % Rec.	104.0	%	50-150
		Lab Fort Blank Amt.	36.1	ug/m3	
		Lab Fort Blk. Found	38.9	ug/m3	
	Methyl tert-Butyl Ether (MTBE)	Lab Fort Blk. % Rec.	108.0	%	70-130
		Lab Fort Blank Amt.	39.6	ug/m3	
		Lab Fort Blk. Found	37.2	ug/m3	
	t-1,2-Dichloroethylene	Lab Fort Blk. % Rec.	93.9	%	70-130
		Lab Fort Blank Amt.	25.6	ug/m3	
		Lab Fort Blk. Found	23.2	ug/m3	
	Vinyl Chloride	Lab Fort Blk. % Rec.	90.6	%	70-130
		Lab Fort Blank Amt.	34.7	ug/m3	
		Lab Fort Blk. Found	31.2	ug/m3	
	Methylene Chloride	Lab Fort Blk. % Rec.	89.8	%	70-130
		Lab Fort Blank Amt.	46.1	ug/m3	
		Lab Fort Blk. Found	40.6	ug/m3	
	Chlorobenzene	Lab Fort Blk. % Rec.	88.1	%	70-130
		Lab Fort Blank Amt.	20.7	ug/m3	
		Lab Fort Blk. Found	18.9	ug/m3	
	Chloromethane	Lab Fort Blk. % Rec.	91.6	%	70-130
		Lab Fort Blank Amt.	38.8	ug/m3	
		Lab Fort Blk. Found	33.8	ug/m3	
	Bromomethane	Lab Fort Blk. % Rec.	87.0	%	70-130
		Lab Fort Blank Amt.			



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Sample Matrix Spikes and Matrix Spike Duplicates

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Standard Reference Materials and Duplicates

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Report Date: 10/28/2005

Lims Bat #: LIMS-92428

Page 5 of 7

QC Batch Number: BATCH-9972

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-45916	Chloroethane	Lab Fort Blank Amt.	26.4	ug/m3	
		Lab Fort Blk. Found	24.4	ug/m3	
		Lab Fort Blk. % Rec.	92.6	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	45.4	ug/m3	
		Lab Fort Blk. Found	44.9	ug/m3	
		Lab Fort Blk. % Rec.	98.8	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	45.4	ug/m3	
		Lab Fort Blk. Found	46.5	ug/m3	
		Lab Fort Blk. % Rec.	102.4	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	85.2	ug/m3	
		Lab Fort Blk. Found	77.1	ug/m3	
		Lab Fort Blk. % Rec.	90.5	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	54.6	ug/m3	
		Lab Fort Blk. Found	50.6	ug/m3	
		Lab Fort Blk. % Rec.	92.8	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	68.7	ug/m3	
		Lab Fort Blk. Found	67.0	ug/m3	
		Lab Fort Blk. % Rec.	97.6	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	106.7	ug/m3	
		Lab Fort Blk. Found	88.5	ug/m3	
		Lab Fort Blk. % Rec.	83.0	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	74.2	ug/m3	
		Lab Fort Blk. Found	55.7	ug/m3	
		Lab Fort Blk. % Rec.	75.1	%	70-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	49.2	ug/m3	
		Lab Fort Blk. Found	51.2	ug/m3	
		Lab Fort Blk. % Rec.	104.1	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	49.2	ug/m3	
		Lab Fort Blk. Found	50.2	ug/m3	
		Lab Fort Blk. % Rec.	102.1	%	70-130
	Cyclohexane	Lab Fort Blank Amt.	34.4	ug/m3	
		Lab Fort Blk. Found	31.3	ug/m3	
		Lab Fort Blk. % Rec.	90.9	%	50-150
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	39.7	ug/m3	
		Lab Fort Blk. Found	37.7	ug/m3	
		Lab Fort Blk. % Rec.	95.0	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	46.2	ug/m3	
		Lab Fort Blk. Found	44.5	ug/m3	
		Lab Fort Blk. % Rec.	96.3	%	70-130
	Dichlorodifluoromethane	Lab Fort Blank Amt.	49.5	ug/m3	
		Lab Fort Blk. Found	45.5	ug/m3	
		Lab Fort Blk. % Rec.	92.0	%	70-130
	Benzyl Chloride	Lab Fort Blank Amt.	51.8	ug/m3	



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Method Blanks

Report Date: 10/28/2005

Lims Bat #: LIMS-92428

Page 6 of 7

QC Batch Number: BATCH-9972

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LFBLANK-45916	Benzyl Chloride	Lab Fort Blk. Found	52.3	ug/m3	
		Lab Fort Blk. % Rec.	101.0	%	70-130
	Carbon Disulfide	Lab Fort Blank Amt.	31.1	ug/m3	
		Lab Fort Blk. Found	27.4	ug/m3	
		Lab Fort Blk. % Rec.	88.0	%	70-130
	Vinyl Acetate	Lab Fort Blank Amt.	35.2	ug/m3	
		Lab Fort Blk. Found	37.5	ug/m3	
		Lab Fort Blk. % Rec.	106.4	%	70-130
	2-Hexanone	Lab Fort Blank Amt.	41.0	ug/m3	
		Lab Fort Blk. Found	49.1	ug/m3	
		Lab Fort Blk. % Rec.	119.8	%	50-150
	Bromodichloromethane	Lab Fort Blank Amt.	67.0	ug/m3	
		Lab Fort Blk. Found	61.2	ug/m3	
		Lab Fort Blk. % Rec.	91.3	%	70-130
	1,2-Dibromoethane	Lab Fort Blank Amt.	76.9	ug/m3	
		Lab Fort Blk. Found	72.5	ug/m3	
		Lab Fort Blk. % Rec.	94.4	%	70-130
	n-Heptane	Lab Fort Blank Amt.	41.0	ug/m3	
		Lab Fort Blk. Found	37.5	ug/m3	
		Lab Fort Blk. % Rec.	91.6	%	50-150
	1,2-Dichlorotetrafluoroethane (114)	Lab Fort Blank Amt.	69.9	ug/m3	
		Lab Fort Blk. Found	62.9	ug/m3	
		Lab Fort Blk. % Rec.	90.0	%	70-130
	Tetrahydrofuran	Lab Fort Blank Amt.	29.5	ug/m3	
		Lab Fort Blk. Found	32.0	ug/m3	
		Lab Fort Blk. % Rec.	108.5	%	50-150
	Propene	Lab Fort Blank Amt.	17.2	ug/m3	
		Lab Fort Blk. Found	15.9	ug/m3	
		Lab Fort Blk. % Rec.	92.1	%	50-150
	1,3-Butadiene	Lab Fort Blank Amt.	22.1	ug/m3	
		Lab Fort Blk. Found	20.8	ug/m3	
		Lab Fort Blk. % Rec.	93.8	%	70-130



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 10/28/2005

Lims Bat #: LIMS-92428

Page 7 of 7

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken through all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries



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Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 SPRUCE ST
EAST LONGMEADOW, MA 01028

Page ____ of ____

Company Name: MACTEC, INC.
Address: 3630 E LINDEN AVE
PHX AZ 85048

Telephone: (602) 437-6250
Project # 4972-04-2034
Client PO # _____

Attention: Jim Clarke

Project Location: Sandy Mesa

Sampled By: Mark Hammer

Proposal Provided? (For Billing purposes) ☐ yes ☐ no

State Form Required? ☐ yes ☐ no

DATA DELIVERY (check one):
☒ FAX ☐ EMAIL ☐ WEBSITE CLIENT
Fax #: 602 437-3675
Email: _____
Format: ☒ EXCEL ☒ PDF ☐ GIS KEY
☐ OTHER _____

Field ID	Sample Description	Lab #	Start Date/Time	Stop Date/Time	Comp- osite	Grab	*Matrix Code										
EFF	CT-1339	40417	10/16/05	1700		X	A	X									
INT	CT 1499	40418		1705													
INF	CT 4399	40419		1715													
WU-SAB	CT 2154	40420		1735													
WU-7B	CT 1575	40421		1755													

Laboratory Comments: logged in for a 7-day TAT, due 10/21/05, per Dave Veratti's email. JS

Relinquished by: (signature) <u>Mark Hammer</u>	Date/Time: <u>10/20/05 12:55</u>	Turnaround ** <input type="checkbox"/> 7-Day <input checked="" type="checkbox"/> 10-Day <input type="checkbox"/> Other _____ RUSH *	Detection Limit Requirements Regulations? _____ Data Enhancement Project/RCP? <input type="checkbox"/> Y <input type="checkbox"/> N Special Requirements or DL's: _____	*Matrix Code: GW = groundwater WW = wastewater DW = drinking water A = air SL = soil/solid O = other _____	**Preservation Codes: I = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium bisulfate O = Other _____
Received by: (signature) <u>Mark Hammer</u>	Date/Time: <u>10/10/05 12:05</u>	<input type="checkbox"/> *24-Hr <input type="checkbox"/> *48-Hr <input type="checkbox"/> *72-Hr <input type="checkbox"/> *4-Day Require lab approval			
Relinquished by: (signature)	Date/Time:				
Received by: (signature) <u>Mark Hammer</u>	Date/Time: <u>10/12/05 0941</u>				

Con-Test Laboratory is the ONLY Independent laboratory in all of New England with both prestigious AIHA and NELAP Certifications and WBEDBE Certified!

**Turnaround time begins at 9:00 a.m. the day after sample receipt (unless received before 2:00 p.m.)



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REPORT DATE 10/28/2005

MACTEC ENGINEERING & CONSULTING - AZ
3630 EAST WIER AVENUE
PHOENIX, AZ 85040
ATTN: JIM CLARKE

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-92428
JOB NUMBER: 4972-04-2034

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: SOUTH MESA

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST
EFF	05B40417	AIR	(CT-1339)	to-15 ppbv
EFF	05B40417	AIR	(CT-1339)	to-15 ug/m3
INF	05B40419	AIR	(CT-4399)	to-15 ppbv
INF	05B40419	AIR	(CT-4399)	to-15 ug/m3
INT	05B40418	AIR	(CT-1499)	to-15 ppbv
INT	05B40418	AIR	(CT-1499)	to-15 ug/m3
VW-5AB	05B40420	AIR	(CT-2154)	to-15 ppbv
VW-5AB	05B40420	AIR	(CT-2154)	to-15 ug/m3
VW-7B	05B40421	AIR	(CT 1375)	to-15 ppbv
VW-7B	05B40421	AIR	(CT 1375)	to-15 ug/m3

Comments :

LIMS BATCH NO. : LIMS-92428

REVISED REPORT

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations :

AIHA 100033	AIHA ELLAP (LEAD) 100033	
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	ARIZONA AZ0648
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	ARIZONA AZ0654 (AIR)

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Edward Denson 10/28/05

SIGNATURE

DATE

Tod Kopyscinski
Director of Operations

Sondra S. Kocot
Quality Control Coordinator

Edward Denson
Technical Director

* See end of data tabulation for notes and comments pertaining to this sample



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MACTEC ENGINEERING & CONSULTING - AZ
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PHOENIX, AZ 85040

10/28/2005
Page 1 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: EFF

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Sample ID : 05B40417

Sampled : 10/10/2005
(CT-1339)

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	PPBv	ND	10/20/05	TPH	0.5		
Benzene	PPBv	ND	10/20/05	TPH	0.5		
Benzyl Chloride	PPBv	ND	10/20/05	TPH	2.0		
Bromodichloromethane	PPBv	ND	10/20/05	TPH	0.5		
Bromomethane	PPBv	ND	10/20/05	TPH	0.5		
1,3-Butadiene	PPBv	ND	10/20/05	TPH	0.5		
2-Butanone (MEK)	PPBv	2.9	10/20/05	TPH	0.5		
Carbon Disulfide	PPBv	ND	10/20/05	TPH	0.5		
Carbon Tetrachloride	PPBv	ND	10/20/05	TPH	0.5		
Chlorobenzene	PPBv	ND	10/20/05	TPH	0.5		
Chlorodibromomethane	PPBv	ND	10/20/05	TPH	0.5		
Chloroethane	PPBv	ND	10/20/05	TPH	0.5		
Chloroform	PPBv	0.9	10/20/05	TPH	0.5		
Chloromethane	PPBv	ND	10/20/05	TPH	0.5		
Cyclohexane	PPBv	0.8	10/20/05	TPH	0.5		
1,2-Dibromoethane	PPBv	ND	10/20/05	TPH	0.5		
1,2-Dichlorobenzene	PPBv	ND	10/20/05	TPH	0.5		
1,3-Dichlorobenzene	PPBv	ND	10/20/05	TPH	0.5		
1,4-Dichlorobenzene	PPBv	ND	10/20/05	TPH	0.5		
Dichlorodifluoromethane	PPBv	1.3	10/20/05	TPH	0.5		
1,1-Dichloroethane	PPBv	2.0	10/20/05	TPH	0.5		
1,2-Dichloroethane	PPBv	ND	10/20/05	TPH	0.5		
1,1-Dichloroethylene	PPBv	1.5	10/20/05	TPH	0.5		
cis-1,2-Dichloroethylene	PPBv	2.3	10/20/05	TPH	0.5		
t-1,2-Dichloroethylene	PPBv	ND	10/20/05	TPH	0.5		
1,2-Dichloropropane	PPBv	ND	10/20/05	TPH	0.5		
cis-1,3-Dichloropropene	PPBv	ND	10/20/05	TPH	0.5		
trans-1,3-Dichloropropene	PPBv	ND	10/20/05	TPH	0.5		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	10/20/05	TPH	0.5		
Ethanol	PPBv	0.8	10/20/05	TPH	0.5		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



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PHOENIX, AZ 85040

10/28/2005
Page 2 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: EFF

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Sample ID : 05B40417

Sampled : 10/10/2005
(CT-1339)

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Ethyl Acetate	PPBv	1.8	10/20/05	TPH	0.5			
Ethylbenzene	PPBv	0.5	10/20/05	TPH	0.5			
4-Ethyl Toluene	PPBv	ND	10/20/05	TPH	0.5			
n-Heptane	PPBv	ND	10/20/05	TPH	0.5			
Hexachlorobutadiene	PPBv	ND	10/20/05	TPH	2.0			
Hexane	PPBv	1.5	10/20/05	TPH	0.5			
2-Hexanone	PPBv	ND	10/20/05	TPH	0.5			
Isopropanol	PPBv	ND	10/20/05	TPH	0.5			
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	10/20/05	TPH	0.5			
Methylene Chloride	PPBv	4.8	10/20/05	TPH	0.5			
4-Methyl-2-Pentanone (MIBK)	PPBv	0.6	10/20/05	TPH	0.5			
Propene	PPBv	ND	10/20/05	TPH	0.5			
Styrene	PPBv	ND	10/20/05	TPH	0.5			
1,1,2,2-Tetrachloroethane	PPBv	ND	10/20/05	TPH	0.5			
Tetrachloroethylene	PPBv	ND	10/20/05	TPH	0.5			
Tetrahydrofuran	PPBv	ND	10/20/05	TPH	0.5			
Toluene	PPBv	10.	10/20/05	TPH	0.5			
1,2,4-Trichlorobenzene	PPBv	ND	10/20/05	TPH	5.0			
1,1,1-Trichloroethane	PPBv	ND	10/20/05	TPH	0.5			
1,1,2-Trichloroethane	PPBv	ND	10/20/05	TPH	0.5			
Trichloroethylene	PPBv	12.	10/20/05	TPH	0.5			
Trichlorofluoromethane (Freon 11)	PPBv	ND	10/20/05	TPH	0.5			
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	10/20/05	TPH	0.5			
1,2,4-Trimethylbenzene	PPBv	ND	10/20/05	TPH	0.5			
1,3,5-Trimethylbenzene	PPBv	ND	10/20/05	TPH	0.5			
Vinyl Acetate	PPBv	1.0	10/20/05	TPH	0.5			
Vinyl Chloride	PPBv	ND	10/20/05	TPH	0.5			
m/p-Xylene	PPBv	1.3	10/20/05	TPH	1.0			
o-Xylene	PPBv	0.5	10/20/05	TPH	0.5			

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Purchase Order No.:

10/28/2005

Page 3 of 31

Project Location: SOUTH MESA

Date Received: 10/12/2005

Field Sample #: EFF

LIMS-BAT #: LIMS-92428

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

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PHOENIX, AZ 85040

10/28/2005
Page 4 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: INF

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Sample ID : 05B40419

Sampled : 10/10/2005
(CT-4399)

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	PPBv	8.2	10/25/05	TPH	0.5			
Benzene	PPBv	ND	10/25/05	TPH	0.5			
Benzyl Chloride	PPBv	ND	10/25/05	TPH	2.0			
Bromodichloromethane	PPBv	0.6	10/25/05	TPH	0.5			
Bromomethane	PPBv	ND	10/25/05	TPH	0.5			
1,3-Butadiene	PPBv	ND	10/25/05	TPH	0.5			
2-Butanone (MEK)	PPBv	2.7	10/25/05	TPH	0.5			
Carbon Disulfide	PPBv	12.	10/25/05	TPH	0.5			
Carbon Tetrachloride	PPBv	ND	10/25/05	TPH	0.5			
Chlorobenzene	PPBv	ND	10/25/05	TPH	0.5			
Chlorodibromomethane	PPBv	ND	10/25/05	TPH	0.5			
Chloroethane	PPBv	ND	10/25/05	TPH	0.5			
Chloroform	PPBv	2.6	10/25/05	TPH	0.5			
Chloromethane	PPBv	ND	10/25/05	TPH	0.5			
Cyclohexane	PPBv	ND	10/25/05	TPH	0.5			
1,2-Dibromoethane	PPBv	ND	10/25/05	TPH	0.5			
1,2-Dichlorobenzene	PPBv	ND	10/25/05	TPH	0.5			
1,3-Dichlorobenzene	PPBv	ND	10/25/05	TPH	0.5			
1,4-Dichlorobenzene	PPBv	ND	10/25/05	TPH	0.5			
Dichlorodifluoromethane	PPBv	1.2	10/25/05	TPH	0.5			
1,1-Dichloroethane	PPBv	5.3	10/25/05	TPH	0.5			
1,2-Dichloroethane	PPBv	ND	10/25/05	TPH	0.5			
1,1-Dichloroethylene	PPBv	3.8	10/25/05	TPH	0.5			
cis-1,2-Dichloroethylene	PPBv	3.2	10/25/05	TPH	0.5			
t-1,2-Dichloroethylene	PPBv	ND	10/25/05	TPH	0.5			
1,2-Dichloropropane	PPBv	2.1	10/25/05	TPH	0.5			
cis-1,3-Dichloropropene	PPBv	ND	10/25/05	TPH	0.5			
trans-1,3-Dichloropropene	PPBv	ND	10/25/05	TPH	0.5			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	10/25/05	TPH	0.5			
Ethanol	PPBv	3.2	10/25/05	TPH	0.5			

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10/28/2005
Page 5 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: INF

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Sample ID : 05B40419

Sampled : 10/10/2005
(CT-4399)

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Ethyl Acetate	PPBv	ND	10/25/05	TPH	0.5			
Ethylbenzene	PPBv	ND	10/25/05	TPH	0.5			
4-Ethyl Toluene	PPBv	ND	10/25/05	TPH	0.5			
n-Heptane	PPBv	ND	10/25/05	TPH	0.5			
Hexachlorobutadiene	PPBv	ND	10/25/05	TPH	2.0			
Hexane	PPBv	ND	10/25/05	TPH	0.5			
2-Hexanone	PPBv	ND	10/25/05	TPH	0.5			
Isopropanol	PPBv	ND	10/25/05	TPH	0.5			
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	10/25/05	TPH	0.5			
Methylene Chloride	PPBv	2.0	10/25/05	TPH	0.5			
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	10/25/05	TPH	0.5			
Propene	PPBv	0.8	10/25/05	TPH	0.5			
Styrene	PPBv	ND	10/25/05	TPH	0.5			
1,1,2,2-Tetrachloroethane	PPBv	ND	10/25/05	TPH	0.5			
Tetrachloroethylene	PPBv	150	10/25/05	TPH	0.5			
Tetrahydrofuran	PPBv	0.9	10/25/05	TPH	0.5			
Toluene	PPBv	1.2	10/25/05	TPH	0.5			
1,2,4-Trichlorobenzene	PPBv	ND	10/25/05	TPH	5.0			
1,1,1-Trichloroethane	PPBv	ND	10/25/05	TPH	0.5			
1,1,2-Trichloroethane	PPBv	ND	10/25/05	TPH	0.5			
Trichloroethylene	PPBv	0.8	10/25/05	TPH	0.5			
Trichlorofluoromethane (Freon 11)	PPBv	1.2	10/25/05	TPH	0.5			
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	10/25/05	TPH	0.5			
1,2,4-Trimethylbenzene	PPBv	ND	10/25/05	TPH	0.5			
1,3,5-Trimethylbenzene	PPBv	ND	10/25/05	TPH	0.5			
Vinyl Acetate	PPBv	1.1	10/25/05	TPH	0.5			
Vinyl Chloride	PPBv	ND	10/25/05	TPH	0.5			
m/p-Xylene	PPBv	ND	10/25/05	TPH	1.0			
o-Xylene	PPBv	ND	10/25/05	TPH	0.5			

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10/28/2005
Page 6 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: INF

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

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10/28/2005
Page 7 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: INT

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Sample ID: 05B40418

Sampled: 10/10/2005
(CT-1499)

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Acetone	PPBv	3.2	10/20/05	TPH	0.5			
Benzene	PPBv	ND	10/20/05	TPH	0.5			
Benzyl Chloride	PPBv	ND	10/20/05	TPH	2.0			
Bromodichloromethane	PPBv	ND	10/20/05	TPH	0.5			
Bromomethane	PPBv	ND	10/20/05	TPH	0.5			
1,3-Butadiene	PPBv	ND	10/20/05	TPH	0.5			
2-Butanone (MEK)	PPBv	ND	10/20/05	TPH	0.5			
Carbon Disulfide	PPBv	ND	10/20/05	TPH	0.5			
Carbon Tetrachloride	PPBv	ND	10/20/05	TPH	0.5			
Chlorobenzene	PPBv	ND	10/20/05	TPH	0.5			
Chlorodibromomethane	PPBv	ND	10/20/05	TPH	0.5			
Chloroethane	PPBv	ND	10/20/05	TPH	0.5			
Chloroform	PPBv	0.7	10/20/05	TPH	0.5			
Chloromethane	PPBv	ND	10/20/05	TPH	0.5			
Cyclohexane	PPBv	ND	10/20/05	TPH	0.5			
1,2-Dibromoethane	PPBv	ND	10/20/05	TPH	0.5			
1,2-Dichlorobenzene	PPBv	ND	10/20/05	TPH	0.5			
1,3-Dichlorobenzene	PPBv	ND	10/20/05	TPH	0.5			
1,4-Dichlorobenzene	PPBv	ND	10/20/05	TPH	0.5			
Dichlorodifluoromethane	PPBv	1.2	10/20/05	TPH	0.5			
1,1-Dichloroethane	PPBv	2.3	10/20/05	TPH	0.5			
1,2-Dichloroethane	PPBv	ND	10/20/05	TPH	0.5			
1,1-Dichloroethylene	PPBv	3.1	10/20/05	TPH	0.5			
cis-1,2-Dichloroethylene	PPBv	1.0	10/20/05	TPH	0.5			
t-1,2-Dichloroethylene	PPBv	ND	10/20/05	TPH	0.5			
1,2-Dichloropropane	PPBv	ND	10/20/05	TPH	0.5			
cis-1,3-Dichloropropene	PPBv	ND	10/20/05	TPH	0.5			
trans-1,3-Dichloropropene	PPBv	ND	10/20/05	TPH	0.5			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	10/20/05	TPH	0.5			
Ethanol	PPBv	2.5	10/20/05	TPH	0.5			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

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10/28/2005
Page 8 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: INT

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Sample ID : 05B40418

Sampled : 10/10/2005
(CT-1499)

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Ethyl Acetate	PPBv	ND	10/20/05	TPH	0.5			
Ethylbenzene	PPBv	ND	10/20/05	TPH	0.5			
4-Ethyl Toluene	PPBv	ND	10/20/05	TPH	0.5			
n-Heptane	PPBv	ND	10/20/05	TPH	0.5			
Hexachlorobutadiene	PPBv	ND	10/20/05	TPH	2.0			
Hexane	PPBv	ND	10/20/05	TPH	0.5			
2-Hexanone	PPBv	ND	10/20/05	TPH	0.5			
Isopropanol	PPBv	ND	10/20/05	TPH	0.5			
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	10/20/05	TPH	0.5			
Methylene Chloride	PPBv	2.3	10/20/05	TPH	0.5			
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	10/20/05	TPH	0.5			
Propene	PPBv	0.9	10/20/05	TPH	0.5			
Styrene	PPBv	ND	10/20/05	TPH	0.5			
1,1,2,2-Tetrachloroethane	PPBv	ND	10/20/05	TPH	0.5			
Tetrachloroethylene	PPBv	31.	10/20/05	TPH	0.5			
Tetrahydrofuran	PPBv	ND	10/20/05	TPH	0.5			
Toluene	PPBv	ND	10/20/05	TPH	0.5			
1,2,4-Trichlorobenzene	PPBv	ND	10/20/05	TPH	5.0			
1,1,1-Trichloroethane	PPBv	ND	10/20/05	TPH	0.5			
1,1,2-Trichloroethane	PPBv	ND	10/20/05	TPH	0.5			
Trichloroethylene	PPBv	0.6	10/20/05	TPH	0.5			
Trichlorofluoromethane (Freon 11)	PPBv	1.0	10/20/05	TPH	0.5			
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	10/20/05	TPH	0.5			
1,2,4-Trimethylbenzene	PPBv	ND	10/20/05	TPH	0.5			
1,3,5-Trimethylbenzene	PPBv	ND	10/20/05	TPH	0.5			
Vinyl Acetate	PPBv	ND	10/20/05	TPH	0.5			
Vinyl Chloride	PPBv	ND	10/20/05	TPH	0.5			
m/p-Xylene	PPBv	ND	10/20/05	TPH	1.0			
o-Xylene	PPBv	ND	10/20/05	TPH	0.5			

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ND = Not Detected at or above the Reporting Limit

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10/28/2005

Page 9 of 31

Purchase Order No.:

Project Location: SOUTH MESA

Date Received: 10/12/2005

Field Sample #: INT

LIMS-BAT #: LIMS-92428

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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10/28/2005
Page 10 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: VW-5AB

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Sample ID : 05B40420

Sampled : 10/10/2005
(CT-2154)

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Acetone	PPBv	ND	10/25/05	TPH	0.5			
Benzene	PPBv	ND	10/25/05	TPH	0.5			
Benzyl Chloride	PPBv	ND	10/25/05	TPH	2.0			
Bromodichloromethane	PPBv	5.1	10/25/05	TPH	0.5			
Bromomethane	PPBv	ND	10/25/05	TPH	0.5			
1,3-Butadiene	PPBv	ND	10/25/05	TPH	0.5			
2-Butanone (MEK)	PPBv	3.4	10/25/05	TPH	0.5			
Carbon Disulfide	PPBv	5.1	10/25/05	TPH	0.5			
Carbon Tetrachloride	PPBv	ND	10/25/05	TPH	0.5			
Chlorobenzene	PPBv	ND	10/25/05	TPH	0.5			
Chlorodibromomethane	PPBv	ND	10/25/05	TPH	0.5			
Chloroethane	PPBv	ND	10/25/05	TPH	0.5			
Chloroform	PPBv	24.	10/25/05	TPH	0.5			
Chloromethane	PPBv	ND	10/25/05	TPH	0.5			
Cyclohexane	PPBv	ND	10/25/05	TPH	0.5			
1,2-Dibromoethane	PPBv	ND	10/25/05	TPH	0.5			
1,2-Dichlorobenzene	PPBv	ND	10/25/05	TPH	0.5			
1,3-Dichlorobenzene	PPBv	ND	10/25/05	TPH	0.5			
1,4-Dichlorobenzene	PPBv	ND	10/25/05	TPH	0.5			
Dichlorodifluoromethane	PPBv	2.7	10/25/05	TPH	0.5			
1,1-Dichloroethane	PPBv	0.5	10/25/05	TPH	0.5			
1,2-Dichloroethane	PPBv	ND	10/25/05	TPH	0.5			
1,1-Dichloroethylene	PPBv	ND	10/25/05	TPH	0.5			
cis-1,2-Dichloroethylene	PPBv	50.	10/25/05	TPH	0.5			
t-1,2-Dichloroethylene	PPBv	ND	10/25/05	TPH	0.5			
1,2-Dichloropropane	PPBv	ND	10/25/05	TPH	0.5			
cis-1,3-Dichloropropene	PPBv	ND	10/25/05	TPH	0.5			
trans-1,3-Dichloropropene	PPBv	ND	10/25/05	TPH	0.5			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	10/25/05	TPH	0.5			
Ethanol	PPBv	ND	10/25/05	TPH	0.5			

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Purchase Order No.:

10/28/2005

Page 11 of 31

Project Location: SOUTH MESA

Date Received: 10/12/2005

Field Sample #: VW-5AB

LIMS-BAT #: LIMS-92428

Job Number: 4972-04-2034

Sample ID: 05B40420

Sampled: 10/10/2005

(CT-2154)

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Ethyl Acetate	PPBv	ND	10/25/05	TPH	0.5			
Ethylbenzene	PPBv	ND	10/25/05	TPH	0.5			
4-Ethyl Toluene	PPBv	ND	10/25/05	TPH	0.5			
n-Heptane	PPBv	ND	10/25/05	TPH	0.5			
Hexachlorobutadiene	PPBv	ND	10/25/05	TPH	2.0			
Hexane	PPBv	ND	10/25/05	TPH	0.5			
2-Hexanone	PPBv	ND	10/25/05	TPH	0.5			
Isopropanol	PPBv	ND	10/25/05	TPH	0.5			
Methyl tert-Butyl Ether (MTBE)	PPBv	0.5	10/25/05	TPH	0.5			
Methylene Chloride	PPBv	30.	10/25/05	TPH	0.5			
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	10/25/05	TPH	0.5			
Propene	PPBv	ND	10/25/05	TPH	0.5			
Styrene	PPBv	ND	10/25/05	TPH	0.5			
1,1,2,2-Tetrachloroethane	PPBv	ND	10/25/05	TPH	0.5			
Tetrachloroethylene	PPBv	80.	10/25/05	TPH	0.5			
Tetrahydrofuran	PPBv	ND	10/25/05	TPH	0.5			
Toluene	PPBv	1.0	10/25/05	TPH	0.5			
1,2,4-Trichlorobenzene	PPBv	ND	10/25/05	TPH	5.0			
1,1,1-Trichloroethane	PPBv	ND	10/25/05	TPH	0.5			
1,1,2-Trichloroethane	PPBv	ND	10/25/05	TPH	0.5			
Trichloroethylene	PPBv	3.0	10/25/05	TPH	0.5			
Trichlorofluoromethane (Freon 11)	PPBv	5.6	10/25/05	TPH	0.5			
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	10/25/05	TPH	0.5			
1,2,4-Trimethylbenzene	PPBv	ND	10/25/05	TPH	0.5			
1,3,5-Trimethylbenzene	PPBv	ND	10/25/05	TPH	0.5			
Vinyl Acetate	PPBv	0.7	10/25/05	TPH	0.5			
Vinyl Chloride	PPBv	ND	10/25/05	TPH	0.5			
m/p-Xylene	PPBv	ND	10/25/05	TPH	1.0			
o-Xylene	PPBv	ND	10/25/05	TPH	0.5			

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10/28/2005
Page 12 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: VW-5AB

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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10/28/2005
Page 13 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: VW-7B

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Sample ID : 05B40421

Sampled : 10/10/2005
(CT 1375)

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Acetone	PPBv	ND	10/25/05	TPH	10.			
Benzene	PPBv	ND	10/25/05	TPH	10.			
Benzyl Chloride	PPBv	ND	10/25/05	TPH	40.			
Bromodichloromethane	PPBv	ND	10/25/05	TPH	10.			
Bromomethane	PPBv	ND	10/25/05	TPH	10.			
1,3-Butadiene	PPBv	ND	10/25/05	TPH	10.			
2-Butanone (MEK)	PPBv	ND	10/25/05	TPH	10.			
Carbon Disulfide	PPBv	ND	10/25/05	TPH	10.			
Carbon Tetrachloride	PPBv	ND	10/25/05	TPH	10.			
Chlorobenzene	PPBv	ND	10/25/05	TPH	10.			
Chlorodibromomethane	PPBv	ND	10/25/05	TPH	10.			
Chloroethane	PPBv	ND	10/25/05	TPH	10.			
Chloroform	PPBv	14.	10/25/05	TPH	10.			
Chloromethane	PPBv	ND	10/25/05	TPH	10.			
Cyclohexane	PPBv	ND	10/25/05	TPH	10.			
1,2-Dibromoethane	PPBv	ND	10/25/05	TPH	10.			
1,2-Dichlorobenzene	PPBv	ND	10/25/05	TPH	10.			
1,3-Dichlorobenzene	PPBv	ND	10/25/05	TPH	10.			
1,4-Dichlorobenzene	PPBv	ND	10/25/05	TPH	10.			
Dichlorodifluoromethane	PPBv	ND	10/25/05	TPH	10.			
1,1-Dichloroethane	PPBv	52.	10/25/05	TPH	10.			
1,2-Dichloroethane	PPBv	ND	10/25/05	TPH	10.			
1,1-Dichloroethylene	PPBv	34.	10/25/05	TPH	10.			
cis-1,2-Dichloroethylene	PPBv	ND	10/25/05	TPH	10.			
t-1,2-Dichloroethylene	PPBv	ND	10/25/05	TPH	10.			
1,2-Dichloropropane	PPBv	18.	10/25/05	TPH	10.			
cis-1,3-Dichloropropene	PPBv	ND	10/25/05	TPH	10.			
trans-1,3-Dichloropropene	PPBv	ND	10/25/05	TPH	10.			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	10/25/05	TPH	10.			
Ethanol	PPBv	ND	10/25/05	TPH	10.			

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10/28/2005
Page 14 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: VW-7B

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Sample ID : 05B40421

Sampled : 10/10/2005
(CT 1375)

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Ethyl Acetate	PPBv	ND	10/25/05	TPH	10.			
Ethylbenzene	PPBv	ND	10/25/05	TPH	10.			
4-Ethyl Toluene	PPBv	ND	10/25/05	TPH	10.			
n-Heptane	PPBv	ND	10/25/05	TPH	10.			
Hexachlorobutadiene	PPBv	ND	10/25/05	TPH	40.			
Hexane	PPBv	ND	10/25/05	TPH	10.			
2-Hexanone	PPBv	ND	10/25/05	TPH	10.			
Isopropanol	PPBv	ND	10/25/05	TPH	10.			
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	10/25/05	TPH	10.			
Methylene Chloride	PPBv	ND	10/25/05	TPH	10.			
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	10/25/05	TPH	10.			
Propene	PPBv	ND	10/25/05	TPH	10.			
Styrene	PPBv	ND	10/25/05	TPH	10.			
1,1,2,2-Tetrachloroethane	PPBv	ND	10/25/05	TPH	10.			
Tetrachloroethylene	PPBv	840	10/25/05	TPH	10.			
Tetrahydrofuran	PPBv	ND	10/25/05	TPH	10.			
Toluene	PPBv	ND	10/25/05	TPH	10.			
1,2,4-Trichlorobenzene	PPBv	ND	10/25/05	TPH	100			
1,1,1-Trichloroethane	PPBv	ND	10/25/05	TPH	10.			
1,1,2-Trichloroethane	PPBv	ND	10/25/05	TPH	10.			
Trichloroethylene	PPBv	ND	10/25/05	TPH	10.			
Trichlorofluoromethane (Freon 11)	PPBv	ND	10/25/05	TPH	10.			
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	10/25/05	TPH	10.			
1,2,4-Trimethylbenzene	PPBv	ND	10/25/05	TPH	10.			
1,3,5-Trimethylbenzene	PPBv	ND	10/25/05	TPH	10.			
Vinyl Acetate	PPBv	ND	10/25/05	TPH	10.			
Vinyl Chloride	PPBv	ND	10/25/05	TPH	10.			
m/p-Xylene	PPBv	ND	10/25/05	TPH	20.			
o-Xylene	PPBv	ND	10/25/05	TPH	10.			

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Purchase Order No.:

10/28/2005

Page 15 of 31

Project Location: SOUTH MESA

Date Received: 10/12/2005

Field Sample #: VW-7B

LIMS-BAT #: LIMS-92428

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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10/28/2005
Page 16 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: EFF

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Sample ID : 05B40417

Sampled : 10/10/2005
(CT-1339)

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Acetone	ug/m3	ND	10/20/05	TPH	1.2			
Benzene	ug/m3	ND	10/20/05	TPH	1.6			
Benzyl Chloride	ug/m3	ND	10/20/05	TPH	11.			
Bromodichloromethane	ug/m3	ND	10/20/05	TPH	3.4			
Bromomethane	ug/m3	ND	10/20/05	TPH	2.0			
1,3-Butadiene	ug/m3	ND	10/20/05	TPH	1.1			
2-Butanone (MEK)	ug/m3	8.4	10/20/05	TPH	1.5			
Carbon Disulfide	ug/m3	ND	10/20/05	TPH	1.6			
Carbon Tetrachloride	ug/m3	ND	10/20/05	TPH	3.1			
Chlorobenzene	ug/m3	ND	10/20/05	TPH	2.3			
Chlorodibromomethane	ug/m3	ND	10/20/05	TPH	4.3			
Chloroethane	ug/m3	ND	10/20/05	TPH	1.4			
Chloroform	ug/m3	4.5	10/20/05	TPH	2.4			
Chloromethane	ug/m3	ND	10/20/05	TPH	1.1			
Cyclohexane	ug/m3	2.9	10/20/05	TPH	1.7			
1,2-Dibromoethane	ug/m3	ND	10/20/05	TPH	3.9			
1,2-Dichlorobenzene	ug/m3	ND	10/20/05	TPH	3.1			
1,3-Dichlorobenzene	ug/m3	ND	10/20/05	TPH	3.1			
1,4-Dichlorobenzene	ug/m3	ND	10/20/05	TPH	3.1			
Dichlorodifluoromethane	ug/m3	6.3	10/20/05	TPH	2.5			
1,1-Dichloroethane	ug/m3	8.0	10/20/05	TPH	2.0			
1,2-Dichloroethane	ug/m3	ND	10/20/05	TPH	2.1			
1,1-Dichloroethylene	ug/m3	5.8	10/20/05	TPH	2.0			
cis-1,2-Dichloroethylene	ug/m3	9.1	10/20/05	TPH	2.0			
t-1,2-Dichloroethylene	ug/m3	ND	10/20/05	TPH	2.0			
1,2-Dichloropropane	ug/m3	ND	10/20/05	TPH	2.4			
cis-1,3-Dichloropropene	ug/m3	ND	10/20/05	TPH	2.3			
trans-1,3-Dichloropropene	ug/m3	ND	10/20/05	TPH	2.3			
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	10/20/05	TPH	3.5			
Ethanol	ug/m3	1.5	10/20/05	TPH	0.9			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

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PHOENIX, AZ 85040

Purchase Order No.:

10/28/2005
Page 17 of 31

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: EFF

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Sample ID: 05B40417

Sampled: 10/10/2005
(CT-1339)

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Ethyl Acetate	ug/m3	6.4	10/20/05	TPH	1.8		
Ethylbenzene	ug/m3	2.2	10/20/05	TPH	2.2		
4-Ethyl Toluene	ug/m3	ND	10/20/05	TPH	2.5		
n-Heptane	ug/m3	ND	10/20/05	TPH	2.0		
Hexachlorobutadiene	ug/m3	ND	10/20/05	TPH	22.		
Hexane	ug/m3	5.3	10/20/05	TPH	1.8		
2-Hexanone	ug/m3	ND	10/20/05	TPH	2.0		
Isopropanol	ug/m3	ND	10/20/05	TPH	1.2		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	10/20/05	TPH	1.8		
Methylene Chloride	ug/m3	17.	10/20/05	TPH	1.7		
4-Methyl-2-Pentanone (MIBK)	ug/m3	2.6	10/20/05	TPH	2.0		
Propene	ug/m3	ND	10/20/05	TPH	0.9		
Styrene	ug/m3	ND	10/20/05	TPH	2.2		
1,1,2,2-Tetrachloroethane	ug/m3	ND	10/20/05	TPH	3.5		
Tetrachloroethylene	ug/m3	ND	10/20/05	TPH	3.4		
Tetrahydrofuran	ug/m3	ND	10/20/05	TPH	1.5		
Toluene	ug/m3	38.	10/20/05	TPH	1.9		
1,2,4-Trichlorobenzene	ug/m3	ND	10/20/05	TPH	38.		
1,1,1-Trichloroethane	ug/m3	ND	10/20/05	TPH	2.8		
1,1,2-Trichloroethane	ug/m3	ND	10/20/05	TPH	2.8		
Trichloroethylene	ug/m3	62.	10/20/05	TPH	2.7		
Trichlorofluoromethane	ug/m3	ND	10/20/05	TPH	2.9		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	10/20/05	TPH	3.9		
1,2,4-Trimethylbenzene	ug/m3	ND	10/20/05	TPH	2.5		
1,3,5-Trimethylbenzene	ug/m3	ND	10/20/05	TPH	2.5		
Vinyl Acetate	ug/m3	3.7	10/20/05	TPH	1.8		
Vinyl Chloride	ug/m3	ND	10/20/05	TPH	1.3		
m/p-Xylene	ug/m3	5.6	10/20/05	TPH	4.3		
o-Xylene	ug/m3	2.3	10/20/05	TPH	2.2		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Project Location: SOUTH MESA

Date Received: 10/12/2005

Field Sample #: EFF

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

10/28/2005

Page 18 of 31

Purchase Order No.:

LIMS-BAT #: LIMS-92428

Job Number: 4972-04-2034

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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PHOENIX, AZ 85040

Purchase Order No.:

10/28/2005

Page 19 of 31

Project Location: SOUTH MESA

Date Received: 10/12/2005

Field Sample #: INF

LIMS-BAT #: LIMS-92428

Job Number: 4972-04-2034

Sample ID : 05B40419

Sampled : 10/10/2005
(CT-4399)

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	20.	10/25/05	TPH	1.2		
Benzene	ug/m3	ND	10/25/05	TPH	1.6		
Benzyl Chloride	ug/m3	ND	10/25/05	TPH	11.		
Bromodichloromethane	ug/m3	3.8	10/25/05	TPH	3.4		
Bromomethane	ug/m3	ND	10/25/05	TPH	2.0		
1,3-Butadiene	ug/m3	ND	10/25/05	TPH	1.1		
2-Butanone (MEK)	ug/m3	8.0	10/25/05	TPH	1.5		
Carbon Disulfide	ug/m3	36.	10/25/05	TPH	1.6		
Carbon Tetrachloride	ug/m3	ND	10/25/05	TPH	3.1		
Chlorobenzene	ug/m3	ND	10/25/05	TPH	2.3		
Chlorodibromomethane	ug/m3	ND	10/25/05	TPH	4.3		
Chloroethane	ug/m3	ND	10/25/05	TPH	1.4		
Chloroform	ug/m3	13.	10/25/05	TPH	2.4		
Chloromethane	ug/m3	ND	10/25/05	TPH	1.1		
Cyclohexane	ug/m3	ND	10/25/05	TPH	1.7		
1,2-Dibromoethane	ug/m3	ND	10/25/05	TPH	3.9		
1,2-Dichlorobenzene	ug/m3	ND	10/25/05	TPH	3.1		
1,3-Dichlorobenzene	ug/m3	ND	10/25/05	TPH	3.1		
1,4-Dichlorobenzene	ug/m3	ND	10/25/05	TPH	3.1		
Dichlorodifluoromethane	ug/m3	5.8	10/25/05	TPH	2.5		
1,1-Dichloroethane	ug/m3	22.	10/25/05	TPH	2.0		
1,2-Dichloroethane	ug/m3	ND	10/25/05	TPH	2.1		
1,1-Dichloroethylene	ug/m3	15.	10/25/05	TPH	2.0		
cis-1,2-Dichloroethylene	ug/m3	13.	10/25/05	TPH	2.0		
t-1,2-Dichloroethylene	ug/m3	ND	10/25/05	TPH	2.0		
1,2-Dichloropropane	ug/m3	9.5	10/25/05	TPH	2.3		
cis-1,3-Dichloropropene	ug/m3	ND	10/25/05	TPH	2.3		
trans-1,3-Dichloropropene	ug/m3	ND	10/25/05	TPH	2.3		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	10/25/05	TPH	3.5		
Ethanol	ug/m3	6.0	10/25/05	TPH	0.9		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

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10/28/2005
Page 20 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: INF

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Sample ID : 05B40419

Sampled : 10/10/2005
(CT-4399)

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Ethyl Acetate	ug/m3	ND	10/25/05	TPH	1.8			
Ethylbenzene	ug/m3	ND	10/25/05	TPH	2.2			
4-Ethyl Toluene	ug/m3	ND	10/25/05	TPH	2.5			
n-Heptane	ug/m3	ND	10/25/05	TPH	2.0			
Hexachlorobutadiene	ug/m3	ND	10/25/05	TPH	22.			
Hexane	ug/m3	ND	10/25/05	TPH	1.8			
2-Hexanone	ug/m3	ND	10/25/05	TPH	2.0			
Isopropanol	ug/m3	ND	10/25/05	TPH	1.2			
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	10/25/05	TPH	1.8			
Methylene Chloride	ug/m3	7.0	10/25/05	TPH	1.7			
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	10/25/05	TPH	2.0			
Propene	ug/m3	1.4	10/25/05	TPH	0.9			
Styrene	ug/m3	ND	10/25/05	TPH	2.2			
1,1,2,2-Tetrachloroethane	ug/m3	ND	10/25/05	TPH	3.5			
Tetrachloroethylene	ug/m3	1000	10/25/05	TPH	3.4			
Tetrahydrofuran	ug/m3	2.6	10/25/05	TPH	1.5			
Toluene	ug/m3	4.4	10/25/05	TPH	1.9			
1,2,4-Trichlorobenzene	ug/m3	ND	10/25/05	TPH	38.			
1,1,1-Trichloroethane	ug/m3	ND	10/25/05	TPH	2.8			
1,1,2-Trichloroethane	ug/m3	ND	10/25/05	TPH	2.8			
Trichloroethylene	ug/m3	4.2	10/25/05	TPH	2.7			
Trichlorofluoromethane	ug/m3	7.0	10/25/05	TPH	2.8			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	10/25/05	TPH	3.9			
1,2,4-Trimethylbenzene	ug/m3	ND	10/25/05	TPH	2.5			
1,3,5-Trimethylbenzene	ug/m3	ND	10/25/05	TPH	2.5			
Vinyl Acetate	ug/m3	3.8	10/25/05	TPH	1.8			
Vinyl Chloride	ug/m3	ND	10/25/05	TPH	1.3			
m/p-Xylene	ug/m3	ND	10/25/05	TPH	4.4			
o-Xylene	ug/m3	ND	10/25/05	TPH	2.2			

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Purchase Order No.:

10/28/2005

Page 21 of 31

Project Location: SOUTH MESA

Date Received: 10/12/2005

Field Sample #: INF

LIMS-BAT #: LIMS-92428

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

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10/28/2005
Page 22 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: INT

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Sample ID : 05B40418

Sampled : 10/10/2005
(CT-1499)

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	ug/m3	7.5	10/20/05	TPH	1.2			
Benzene	ug/m3	ND	10/20/05	TPH	1.6			
Benzyl Chloride	ug/m3	ND	10/20/05	TPH	11.			
Bromodichloromethane	ug/m3	ND	10/20/05	TPH	3.4			
Bromomethane	ug/m3	ND	10/20/05	TPH	2.0			
1,3-Butadiene	ug/m3	ND	10/20/05	TPH	1.1			
2-Butanone (MEK)	ug/m3	ND	10/20/05	TPH	1.5			
Carbon Disulfide	ug/m3	ND	10/20/05	TPH	1.6			
Carbon Tetrachloride	ug/m3	ND	10/20/05	TPH	3.1			
Chlorobenzene	ug/m3	ND	10/20/05	TPH	2.3			
Chlorodibromomethane	ug/m3	ND	10/20/05	TPH	4.3			
Chloroethane	ug/m3	ND	10/20/05	TPH	1.4			
Chloroform	ug/m3	3.3	10/20/05	TPH	2.4			
Chloromethane	ug/m3	ND	10/20/05	TPH	1.1			
Cyclohexane	ug/m3	ND	10/20/05	TPH	1.7			
1,2-Dibromoethane	ug/m3	ND	10/20/05	TPH	3.9			
1,2-Dichlorobenzene	ug/m3	ND	10/20/05	TPH	3.1			
1,3-Dichlorobenzene	ug/m3	ND	10/20/05	TPH	3.1			
1,4-Dichlorobenzene	ug/m3	ND	10/20/05	TPH	3.1			
Dichlorodifluoromethane	ug/m3	5.8	10/20/05	TPH	2.5			
1,1-Dichloroethane	ug/m3	9.4	10/20/05	TPH	2.0			
1,2-Dichloroethane	ug/m3	ND	10/20/05	TPH	2.1			
1,1-Dichloroethylene	ug/m3	12.	10/20/05	TPH	2.0			
cis-1,2-Dichloroethylene	ug/m3	3.9	10/20/05	TPH	2.0			
t-1,2-Dichloroethylene	ug/m3	ND	10/20/05	TPH	2.0			
1,2-Dichloropropane	ug/m3	ND	10/20/05	TPH	2.4			
cis-1,3-Dichloropropene	ug/m3	ND	10/20/05	TPH	2.3			
trans-1,3-Dichloropropene	ug/m3	ND	10/20/05	TPH	2.3			
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	10/20/05	TPH	3.5			
Ethanol	ug/m3	4.7	10/20/05	TPH	0.9			

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Purchase Order No.:

10/28/2005

Page 23 of 31

Project Location: SOUTH MESA

Date Received: 10/12/2005

Field Sample #: INT

LIMS-BAT #: LIMS-92428

Job Number: 4972-04-2034

Sample ID : 05B40418

Sampled : 10/10/2005

(CT-1499)

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Ethyl Acetate	ug/m3	ND	10/20/05	TPH	1.8			
Ethylbenzene	ug/m3	ND	10/20/05	TPH	2.2			
4-Ethyl Toluene	ug/m3	ND	10/20/05	TPH	2.5			
n-Heptane	ug/m3	ND	10/20/05	TPH	2.0			
Hexachlorobutadiene	ug/m3	ND	10/20/05	TPH	22.			
Hexane	ug/m3	ND	10/20/05	TPH	1.8			
2-Hexanone	ug/m3	ND	10/20/05	TPH	2.0			
Isopropanol	ug/m3	ND	10/20/05	TPH	1.2			
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	10/20/05	TPH	1.8			
Methylene Chloride	ug/m3	8.0	10/20/05	TPH	1.7			
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	10/20/05	TPH	2.0			
Propene	ug/m3	1.5	10/20/05	TPH	0.9			
Styrene	ug/m3	ND	10/20/05	TPH	2.2			
1,1,2,2-Tetrachloroethane	ug/m3	ND	10/20/05	TPH	3.5			
Tetrachloroethylene	ug/m3	210	10/20/05	TPH	3.4			
Tetrahydrofuran	ug/m3	ND	10/20/05	TPH	1.5			
Toluene	ug/m3	ND	10/20/05	TPH	1.9			
1,2,4-Trichlorobenzene	ug/m3	ND	10/20/05	TPH	38.			
1,1,1-Trichloroethane	ug/m3	ND	10/20/05	TPH	2.8			
1,1,2-Trichloroethane	ug/m3	ND	10/20/05	TPH	2.8			
Trichloroethylene	ug/m3	3.3	10/20/05	TPH	2.7			
Trichlorofluoromethane	ug/m3	5.6	10/20/05	TPH	2.8			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	10/20/05	TPH	3.9			
1,2,4-Trimethylbenzene	ug/m3	ND	10/20/05	TPH	2.5			
1,3,5-Trimethylbenzene	ug/m3	ND	10/20/05	TPH	2.5			
Vinyl Acetate	ug/m3	ND	10/20/05	TPH	1.8			
Vinyl Chloride	ug/m3	ND	10/20/05	TPH	1.3			
m/p-Xylene	ug/m3	ND	10/20/05	TPH	4.4			
o-Xylene	ug/m3	ND	10/20/05	TPH	2.2			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

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* = See end of report for comments and notes applying to this sample



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Project Location: SOUTH MESA

Date Received: 10/12/2005

Field Sample #: INT

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

10/28/2005

Page 24 of 31

Purchase Order No.:

LIMS-BAT #: LIMS-92428

Job Number: 4972-04-2034

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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10/28/2005
Page 25 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: VW-5AB

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Sample ID: 05B40420

Sampled: 10/10/2005
(CT-2154)

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Acetone	ug/m3	ND	10/25/05	TPH	1.2			
Benzene	ug/m3	ND	10/25/05	TPH	1.6			
Benzyl Chloride	ug/m3	ND	10/25/05	TPH	11.			
Bromodichloromethane	ug/m3	34.	10/25/05	TPH	3.4			
Bromomethane	ug/m3	ND	10/25/05	TPH	2.0			
1,3-Butadiene	ug/m3	ND	10/25/05	TPH	1.1			
2-Butanone (MEK)	ug/m3	10.	10/25/05	TPH	1.5			
Carbon Disulfide	ug/m3	16.	10/25/05	TPH	1.6			
Carbon Tetrachloride	ug/m3	ND	10/25/05	TPH	3.1			
Chlorobenzene	ug/m3	ND	10/25/05	TPH	2.3			
Chlorodibromomethane	ug/m3	ND	10/25/05	TPH	4.3			
Chloroethane	ug/m3	ND	10/25/05	TPH	1.4			
Chloroform	ug/m3	120	10/25/05	TPH	2.4			
Chloromethane	ug/m3	ND	10/25/05	TPH	1.1			
Cyclohexane	ug/m3	ND	10/25/05	TPH	1.7			
1,2-Dibromoethane	ug/m3	ND	10/25/05	TPH	3.9			
1,2-Dichlorobenzene	ug/m3	ND	10/25/05	TPH	3.1			
1,3-Dichlorobenzene	ug/m3	ND	10/25/05	TPH	3.1			
1,4-Dichlorobenzene	ug/m3	ND	10/25/05	TPH	3.1			
Dichlorodifluoromethane	ug/m3	13.	10/25/05	TPH	2.5			
1,1-Dichloroethane	ug/m3	2.2	10/25/05	TPH	2.0			
1,2-Dichloroethane	ug/m3	ND	10/25/05	TPH	2.1			
1,1-Dichloroethylene	ug/m3	ND	10/25/05	TPH	2.0			
cis-1,2-Dichloroethylene	ug/m3	200	10/25/05	TPH	2.0			
t-1,2-Dichloroethylene	ug/m3	ND	10/25/05	TPH	2.0			
1,2-Dichloropropane	ug/m3	ND	10/25/05	TPH	2.4			
cis-1,3-Dichloropropene	ug/m3	ND	10/25/05	TPH	2.3			
trans-1,3-Dichloropropene	ug/m3	ND	10/25/05	TPH	2.3			
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	10/25/05	TPH	3.5			
Ethanol	ug/m3	ND	10/25/05	TPH	0.9			

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

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PHOENIX, AZ 85040

10/28/2005
Page 26 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: VW-5AB

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Sample ID : 05B40420

Sampled : 10/10/2005
(CT-2154)

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Ethyl Acetate	ug/m3	ND	10/25/05	TPH	1.8			
Ethylbenzene	ug/m3	ND	10/25/05	TPH	2.2			
4-Ethyl Toluene	ug/m3	ND	10/25/05	TPH	2.5			
n-Heptane	ug/m3	ND	10/25/05	TPH	2.0			
Hexachlorobutadiene	ug/m3	ND	10/25/05	TPH	22.			
Hexane	ug/m3	ND	10/25/05	TPH	1.8			
2-Hexanone	ug/m3	ND	10/25/05	TPH	2.0			
Isopropanol	ug/m3	ND	10/25/05	TPH	1.2			
Methyl tert-Butyl Ether (MTBE)	ug/m3	1.9	10/25/05	TPH	1.8			
Methylene Chloride	ug/m3	100	10/25/05	TPH	1.7			
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	10/25/05	TPH	2.0			
Propene	ug/m3	ND	10/25/05	TPH	0.9			
Styrene	ug/m3	ND	10/25/05	TPH	2.2			
1,1,2,2-Tetrachloroethane	ug/m3	ND	10/25/05	TPH	3.5			
Tetrachloroethylene	ug/m3	540	10/25/05	TPH	3.4			
Tetrahydrofuran	ug/m3	ND	10/25/05	TPH	1.5			
Toluene	ug/m3	3.7	10/25/05	TPH	1.9			
1,2,4-Trichlorobenzene	ug/m3	ND	10/25/05	TPH	38.			
1,1,1-Trichloroethane	ug/m3	ND	10/25/05	TPH	2.8			
1,1,2-Trichloroethane	ug/m3	ND	10/25/05	TPH	2.8			
Trichloroethylene	ug/m3	16.	10/25/05	TPH	2.7			
Trichlorofluoromethane	ug/m3	32.	10/25/05	TPH	2.8			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	10/25/05	TPH	3.9			
1,2,4-Trimethylbenzene	ug/m3	ND	10/25/05	TPH	2.5			
1,3,5-Trimethylbenzene	ug/m3	ND	10/25/05	TPH	2.5			
Vinyl Acetate	ug/m3	2.6	10/25/05	TPH	1.8			
Vinyl Chloride	ug/m3	ND	10/25/05	TPH	1.3			
m/p-Xylene	ug/m3	ND	10/25/05	TPH	4.4			
o-Xylene	ug/m3	ND	10/25/05	TPH	2.2			

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Purchase Order No.:

10/28/2005

Page 27 of 31

Project Location: SOUTH MESA

Date Received: 10/12/2005

Field Sample #: VW-5AB

LIMS-BAT #: LIMS-92428

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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10/28/2005
Page 28 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: VW-7B

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Sample ID : 05B40421

Sampled : 10/10/2005
(CT 1375)

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	ug/m3	ND	10/25/05	TPH	24.			
Benzene	ug/m3	ND	10/25/05	TPH	32.			
Benzyl Chloride	ug/m3	ND	10/25/05	TPH	210			
Bromodichloromethane	ug/m3	ND	10/25/05	TPH	68.			
Bromomethane	ug/m3	ND	10/25/05	TPH	39.			
1,3-Butadiene	ug/m3	ND	10/25/05	TPH	22.			
2-Butanone (MEK)	ug/m3	ND	10/25/05	TPH	30.			
Carbon Disulfide	ug/m3	ND	10/25/05	TPH	32.			
Carbon Tetrachloride	ug/m3	ND	10/25/05	TPH	62.			
Chlorobenzene	ug/m3	ND	10/25/05	TPH	46.			
Chlorodibromomethane	ug/m3	ND	10/25/05	TPH	86.			
Chloroethane	ug/m3	ND	10/25/05	TPH	27.			
Chloroform	ug/m3	67.	10/25/05	TPH	49.			
Chloromethane	ug/m3	ND	10/25/05	TPH	21.			
Cyclohexane	ug/m3	ND	10/25/05	TPH	34.			
1,2-Dibromoethane	ug/m3	ND	10/25/05	TPH	77.			
1,2-Dichlorobenzene	ug/m3	ND	10/25/05	TPH	61.			
1,3-Dichlorobenzene	ug/m3	ND	10/25/05	TPH	61.			
1,4-Dichlorobenzene	ug/m3	ND	10/25/05	TPH	61.			
Dichlorodifluoromethane	ug/m3	ND	10/25/05	TPH	50.			
1,1-Dichloroethane	ug/m3	210	10/25/05	TPH	40.			
1,2-Dichloroethane	ug/m3	ND	10/25/05	TPH	41.			
1,1-Dichloroethylene	ug/m3	140	10/25/05	TPH	40.			
cis-1,2-Dichloroethylene	ug/m3	ND	10/25/05	TPH	40.			
t-1,2-Dichloroethylene	ug/m3	ND	10/25/05	TPH	40.			
1,2-Dichloropropane	ug/m3	85.	10/25/05	TPH	46.			
cis-1,3-Dichloropropene	ug/m3	ND	10/25/05	TPH	46.			
trans-1,3-Dichloropropene	ug/m3	ND	10/25/05	TPH	46.			
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	10/25/05	TPH	70.			
Ethanol	ug/m3	ND	10/25/05	TPH	18.			

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10/28/2005
Page 29 of 31

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 10/12/2005
Field Sample #: VW-7B

LIMS-BAT #: LIMS-92428
Job Number: 4972-04-2034

Sample ID: 05B40421

Sampled: 10/10/2005
(CT 1375)

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	10/25/05	TPH	36.		
Ethylbenzene	ug/m3	ND	10/25/05	TPH	44.		
4-Ethyl Toluene	ug/m3	ND	10/25/05	TPH	50.		
n-Heptane	ug/m3	ND	10/25/05	TPH	40.		
Hexachlorobutadiene	ug/m3	ND	10/25/05	TPH	430		
Hexane	ug/m3	ND	10/25/05	TPH	36.		
2-Hexanone	ug/m3	ND	10/25/05	TPH	40.		
Isopropanol	ug/m3	ND	10/25/05	TPH	24.		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	10/25/05	TPH	36.		
Methylene Chloride	ug/m3	ND	10/25/05	TPH	35.		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	10/25/05	TPH	40.		
Propene	ug/m3	ND	10/25/05	TPH	18.		
Styrene	ug/m3	ND	10/25/05	TPH	43.		
1,1,2,2-Tetrachloroethane	ug/m3	ND	10/25/05	TPH	69.		
Tetrachloroethylene	ug/m3	5700	10/25/05	TPH	68.		
Tetrahydrofuran	ug/m3	ND	10/25/05	TPH	30.		
Toluene	ug/m3	ND	10/25/05	TPH	38.		
1,2,4-Trichlorobenzene	ug/m3	ND	10/25/05	TPH	750		
1,1,1-Trichloroethane	ug/m3	ND	10/25/05	TPH	55.		
1,1,2-Trichloroethane	ug/m3	ND	10/25/05	TPH	55.		
Trichloroethylene	ug/m3	ND	10/25/05	TPH	54.		
Trichlorofluoromethane	ug/m3	ND	10/25/05	TPH	57.		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	10/25/05	TPH	77.		
1,2,4-Trimethylbenzene	ug/m3	ND	10/25/05	TPH	50.		
1,3,5-Trimethylbenzene	ug/m3	ND	10/25/05	TPH	50.		
Vinyl Acetate	ug/m3	ND	10/25/05	TPH	36.		
Vinyl Chloride	ug/m3	ND	10/25/05	TPH	26.		
m/p-Xylene	ug/m3	ND	10/25/05	TPH	87.		
o-Xylene	ug/m3	ND	10/25/05	TPH	44.		

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Purchase Order No.:

Project Location: SOUTH MESA

Date Received: 10/12/2005

Field Sample #: VW-7B

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

10/28/2005

Page 30 of 31

LIMS-BAT #: LIMS-92428

Job Number: 4972-04-2034

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Project Location: SOUTH MESA

Date Received: 10/12/2005

10/28/2005

Page 31 of 31

Purchase Order No.:

LIMS-BAT #: LIMS-92428

Job Number: 4972-04-2034

** END OF REPORT **

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 10/28/2005

Lims Bat #: LIMS-92428

Page 1 of 7

QC Batch Number: BATCH-9972

Sample Id	Analysis	QC Analysis	Values	Units	Limits
05B40417	4-Bromofluorobenzene	Surrogate Recovery	90.9	%	70-130
05B40418	4-Bromofluorobenzene	Surrogate Recovery	91.8	%	70-130
05B40419	4-Bromofluorobenzene	Surrogate Recovery	82.6	%	70-130
05B40420	4-Bromofluorobenzene	Surrogate Recovery	85.4	%	70-130
05B40421	4-Bromofluorobenzene	Surrogate Recovery	84.9	%	70-130
BLANK-80023	Acetone	Blank	<1.2	ug/m3	
	Benzene	Blank	<1.6	ug/m3	
	Carbon Tetrachloride	Blank	<3.1	ug/m3	
	Chloroform	Blank	<2.5	ug/m3	
	1,2-Dichloroethane	Blank	<2.1	ug/m3	
	1,4-Dichlorobenzene	Blank	<3.1	ug/m3	
	Ethyl Acetate	Blank	<1.8	ug/m3	
	Ethylbenzene	Blank	<2.2	ug/m3	
	Hexane	Blank	<1.8	ug/m3	
	Isopropanol	Blank	<1.2	ug/m3	
	2-Butanone (MEK)	Blank	<1.5	ug/m3	
	4-Methyl-2-Pentanone (MIBK)	Blank	<2.0	ug/m3	
	Styrene	Blank	<2.2	ug/m3	
	Tetrachloroethylene	Blank	<3.4	ug/m3	
	Toluene	Blank	<1.9	ug/m3	
	1,1,1-Trichloroethane	Blank	<2.8	ug/m3	
	Trichloroethylene	Blank	<2.7	ug/m3	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<3.9	ug/m3	
	Trichlorofluoromethane	Blank	<2.9	ug/m3	
	o-Xylene	Blank	<2.2	ug/m3	
	m/p-Xylene	Blank	<4.4	ug/m3	
	1,2-Dichlorobenzene	Blank	<3.1	ug/m3	
	1,3-Dichlorobenzene	Blank	<3.1	ug/m3	
	1,1-Dichloroethane	Blank	<2.1	ug/m3	
	1,1-Dichloroethylene	Blank	<2.0	ug/m3	
	Ethanol	Blank	<0.9	ug/m3	
	4-Ethyl Toluene	Blank	<2.5	ug/m3	
	Methyl tert-Butyl Ether (MTBE)	Blank	<1.8	ug/m3	
	t-1,2-Dichloroethylene	Blank	<2.0	ug/m3	
	Vinyl Chloride	Blank	<1.3	ug/m3	
	Methylene Chloride	Blank	<1.8	ug/m3	
	Chlorobenzene	Blank	<2.3	ug/m3	
	Chloromethane	Blank	<1.1	ug/m3	



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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 10/28/2005

Lims Bat #: LIMS-92428

Page 2 of 7

QC Batch Number: BATCH-9972

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-80023	Bromomethane	Blank	<2.0	ug/m3	
	Chloroethane	Blank	<1.4	ug/m3	
	cis-1,3-Dichloropropene	Blank	<2.3	ug/m3	
	trans-1,3-Dichloropropene	Blank	<2.3	ug/m3	
	Chlorodibromomethane	Blank	<4.3	ug/m3	
	1,1,2-Trichloroethane	Blank	<2.8	ug/m3	
	1,1,2,2-Tetrachloroethane	Blank	<3.5	ug/m3	
	Hexachlorobutadiene	Blank	<22.	ug/m3	
	1,2,4-Trichlorobenzene	Blank	<38.	ug/m3	
	1,2,4-Trimethylbenzene	Blank	<2.5	ug/m3	
	1,3,5-Trimethylbenzene	Blank	<2.5	ug/m3	
	Cyclohexane	Blank	<1.7	ug/m3	
	cis-1,2-Dichloroethylene	Blank	<2.0	ug/m3	
	1,2-Dichloropropane	Blank	<2.4	ug/m3	
	Dichlorodifluoromethane	Blank	<2.5	ug/m3	
	Benzyl Chloride	Blank	<11.	ug/m3	
	Carbon Disulfide	Blank	<1.6	ug/m3	
	Vinyl Acetate	Blank	<1.8	ug/m3	
	2-Hexanone	Blank	<2.0	ug/m3	
	Bromodichloromethane	Blank	<3.4	ug/m3	
	1,2-Dibromoethane	Blank	<3.9	ug/m3	
	n-Heptane	Blank	<2.0	ug/m3	
	1,2-Dichlorotetrafluoroethane (114)	Blank	<3.5	ug/m3	
	Tetrahydrofuran	Blank	<1.5	ug/m3	
	Propene	Blank	<0.9	ug/m3	
	1,3-Butadiene	Blank	<1.1	ug/m3	
LFBLANK-45916	Acetone	Lab Fort Blank Amt.	23.8	ug/m3	
		Lab Fort Blk. Found	23.3	ug/m3	
		Lab Fort Blk. % Rec.	98.2	%	50-150
	Benzene	Lab Fort Blank Amt.	31.9	ug/m3	
		Lab Fort Blk. Found	30.0	ug/m3	
		Lab Fort Blk. % Rec.	93.9	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	62.9	ug/m3	
		Lab Fort Blk. Found	56.4	ug/m3	
		Lab Fort Blk. % Rec.	89.7	%	70-130
	Chloroform	Lab Fort Blank Amt.	48.7	ug/m3	
		Lab Fort Blk. Found	44.2	ug/m3	
		Lab Fort Blk. % Rec.	90.9	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	40.5	ug/m3	
		Lab Fort Blk. Found	38.3	ug/m3	
		Lab Fort Blk. % Rec.	94.7	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	60.1	ug/m3	



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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 10/28/2005

Lims Bat # : LIMS-92428

Page 3 of 7

QC Batch Number: BATCH-9972

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-45916	1,4-Dichlorobenzene	Lab Fort Blk. Found	59.9	ug/m3	70-130
		Lab Fort Blk. % Rec.	99.6	%	
	Ethyl Acetate	Lab Fort Blank Amt.	36.0	ug/m3	50-150
		Lab Fort Blk. Found	39.4	ug/m3	
	Ethylbenzene	Lab Fort Blk. % Rec.	109.4	%	70-130
		Lab Fort Blank Amt.	43.4	ug/m3	
		Lab Fort Blk. Found	41.7	ug/m3	70-130
		Lab Fort Blk. % Rec.	96.1	%	
	Hexane	Lab Fort Blank Amt.	35.2	ug/m3	70-130
		Lab Fort Blk. Found	32.5	ug/m3	
	Isopropanol	Lab Fort Blk. % Rec.	92.3	%	50-150
		Lab Fort Blank Amt.	24.6	ug/m3	
		Lab Fort Blk. Found	27.0	ug/m3	70-130
		Lab Fort Blk. % Rec.	109.7	%	
	2-Butanone (MEK)	Lab Fort Blank Amt.	29.5	ug/m3	70-130
		Lab Fort Blk. Found	32.7	ug/m3	
		Lab Fort Blk. % Rec.	110.9	%	70-130
		Lab Fort Blank Amt.	41.0	ug/m3	
	4-Methyl-2-Pentanone (MIBK)	Lab Fort Blk. Found	45.4	ug/m3	70-130
		Lab Fort Blk. % Rec.	110.9	%	
	Styrene	Lab Fort Blank Amt.	42.5	ug/m3	70-130
		Lab Fort Blk. Found	43.9	ug/m3	
		Lab Fort Blk. % Rec.	103.2	%	70-130
		Lab Fort Blank Amt.	67.8	ug/m3	
	Tetrachloroethylene	Lab Fort Blk. Found	56.7	ug/m3	70-130
		Lab Fort Blk. % Rec.	83.6	%	
	Toluene	Lab Fort Blank Amt.	37.6	ug/m3	70-130
		Lab Fort Blk. Found	34.5	ug/m3	
		Lab Fort Blk. % Rec.	91.8	%	70-130
		Lab Fort Blank Amt.	54.6	ug/m3	
	1,1,1-Trichloroethane	Lab Fort Blk. Found	49.3	ug/m3	70-130
		Lab Fort Blk. % Rec.	90.4	%	
	Trichloroethylene	Lab Fort Blank Amt.	53.7	ug/m3	70-130
		Lab Fort Blk. Found	49.7	ug/m3	
		Lab Fort Blk. % Rec.	92.5	%	70-130
		Lab Fort Blank Amt.	76.6	ug/m3	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blk. Found	66.0	ug/m3	70-130
		Lab Fort Blk. % Rec.	86.1	%	
	Trichlorofluoromethane	Lab Fort Blank Amt.	56.2	ug/m3	70-130
		Lab Fort Blk. Found	47.5	ug/m3	
		Lab Fort Blk. % Rec.	84.5	%	70-130
		Lab Fort Blank Amt.	43.4	ug/m3	
	o-Xylene	Lab Fort Blk. Found	42.3	ug/m3	



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 10/28/2005

Lims Bat #: LIMS-92428

Page 4 of 7

QC Batch Number: BATCH-9972

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-45916					
o-Xylene	m/p-Xylene	Lab Fort Blk. % Rec.	97.3	%	70-130
		Lab Fort Blank Amt.	86.9	ug/m3	
		Lab Fort Blk. Found	85.4	ug/m3	
1,2-Dichlorobenzene		Lab Fort Blk. % Rec.	98.3	%	70-130
		Lab Fort Blank Amt.	60.1	ug/m3	
		Lab Fort Blk. Found	57.1	ug/m3	
1,3-Dichlorobenzene		Lab Fort Blk. % Rec.	95.0	%	70-130
		Lab Fort Blank Amt.	60.1	ug/m3	
		Lab Fort Blk. Found	57.4	ug/m3	
1,1-Dichloroethane		Lab Fort Blk. % Rec.	95.5	%	70-130
		Lab Fort Blank Amt.	40.5	ug/m3	
		Lab Fort Blk. Found	36.7	ug/m3	
1,1-Dichloroethylene		Lab Fort Blk. % Rec.	90.6	%	70-130
		Lab Fort Blank Amt.	39.7	ug/m3	
		Lab Fort Blk. Found	35.5	ug/m3	
Ethanol		Lab Fort Blk. % Rec.	89.6	%	70-130
		Lab Fort Blank Amt.	18.8	ug/m3	
		Lab Fort Blk. Found	17.4	ug/m3	
4-Ethyl Toluene		Lab Fort Blk. % Rec.	92.6	%	50-150
		Lab Fort Blank Amt.	49.2	ug/m3	
		Lab Fort Blk. Found	51.1	ug/m3	
Methyl tert-Butyl Ether (MTBE)		Lab Fort Blk. % Rec.	104.0	%	50-150
		Lab Fort Blank Amt.	36.1	ug/m3	
		Lab Fort Blk. Found	38.9	ug/m3	
t-1,2-Dichloroethylene		Lab Fort Blk. % Rec.	108.0	%	70-130
		Lab Fort Blank Amt.	39.6	ug/m3	
		Lab Fort Blk. Found	37.2	ug/m3	
Vinyl Chloride		Lab Fort Blk. % Rec.	93.9	%	70-130
		Lab Fort Blank Amt.	25.6	ug/m3	
		Lab Fort Blk. Found	23.2	ug/m3	
Methylene Chloride		Lab Fort Blk. % Rec.	90.6	%	70-130
		Lab Fort Blank Amt.	34.7	ug/m3	
		Lab Fort Blk. Found	31.2	ug/m3	
Chlorobenzene		Lab Fort Blk. % Rec.	89.8	%	70-130
		Lab Fort Blank Amt.	46.1	ug/m3	
		Lab Fort Blk. Found	40.6	ug/m3	
Chloromethane		Lab Fort Blk. % Rec.	88.1	%	70-130
		Lab Fort Blank Amt.	20.7	ug/m3	
		Lab Fort Blk. Found	18.9	ug/m3	
Bromomethane		Lab Fort Blk. % Rec.	91.6	%	70-130
		Lab Fort Blank Amt.	38.8	ug/m3	
		Lab Fort Blk. Found	33.8	ug/m3	
		Lab Fort Blk. % Rec.	87.0	%	70-130



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 10/28/2005

Lims Bat #: LIMS-92428

Page 5 of 7

QC Batch Number: BATCH-9972

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-45916	Chloroethane	Lab Fort Blank Amt.	26.4	ug/m3	
		Lab Fort Blk. Found	24.4	ug/m3	
		Lab Fort Blk. % Rec.	92.6	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	45.4	ug/m3	
		Lab Fort Blk. Found	44.9	ug/m3	
		Lab Fort Blk. % Rec.	98.8	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	45.4	ug/m3	
		Lab Fort Blk. Found	46.5	ug/m3	
		Lab Fort Blk. % Rec.	102.4	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	85.2	ug/m3	
		Lab Fort Blk. Found	77.1	ug/m3	
		Lab Fort Blk. % Rec.	90.5	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	54.6	ug/m3	
		Lab Fort Blk. Found	50.6	ug/m3	
		Lab Fort Blk. % Rec.	92.8	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	68.7	ug/m3	
		Lab Fort Blk. Found	67.0	ug/m3	
		Lab Fort Blk. % Rec.	97.6	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	106.7	ug/m3	
		Lab Fort Blk. Found	88.5	ug/m3	
		Lab Fort Blk. % Rec.	83.0	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	74.2	ug/m3	
		Lab Fort Blk. Found	55.7	ug/m3	
		Lab Fort Blk. % Rec.	75.1	%	70-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	49.2	ug/m3	
		Lab Fort Blk. Found	51.2	ug/m3	
		Lab Fort Blk. % Rec.	104.1	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	49.2	ug/m3	
		Lab Fort Blk. Found	50.2	ug/m3	
		Lab Fort Blk. % Rec.	102.1	%	70-130
	Cyclohexane	Lab Fort Blank Amt.	34.4	ug/m3	
		Lab Fort Blk. Found	31.3	ug/m3	
		Lab Fort Blk. % Rec.	90.9	%	50-150
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	39.7	ug/m3	
		Lab Fort Blk. Found	37.7	ug/m3	
		Lab Fort Blk. % Rec.	95.0	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	46.2	ug/m3	
		Lab Fort Blk. Found	44.5	ug/m3	
		Lab Fort Blk. % Rec.	96.3	%	70-130
	Dichlorodifluoromethane	Lab Fort Blank Amt.	49.5	ug/m3	
		Lab Fort Blk. Found	45.5	ug/m3	
		Lab Fort Blk. % Rec.	92.0	%	70-130
	Benzyl Chloride	Lab Fort Blank Amt.	51.8	ug/m3	



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QC SUMMARY REPORT

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Lims Bat #: LIMS-92428

Page 6 of 7

QC Batch Number: BATCH-9972

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-45916	Benzyl Chloride	Lab Fort Blk. Found	52.3	ug/m3	
		Lab Fort Blk. % Rec.	101.0	%	70-130
	Carbon Disulfide	Lab Fort Blank Amt.	31.1	ug/m3	
		Lab Fort Blk. Found	27.4	ug/m3	
		Lab Fort Blk. % Rec.	88.0	%	70-130
	Vinyl Acetate	Lab Fort Blank Amt.	35.2	ug/m3	
		Lab Fort Blk. Found	37.5	ug/m3	
		Lab Fort Blk. % Rec.	106.4	%	70-130
	2-Hexanone	Lab Fort Blank Amt.	41.0	ug/m3	
		Lab Fort Blk. Found	49.1	ug/m3	
		Lab Fort Blk. % Rec.	119.8	%	50-150
	Bromodichloromethane	Lab Fort Blank Amt.	67.0	ug/m3	
		Lab Fort Blk. Found	61.2	ug/m3	
		Lab Fort Blk. % Rec.	91.3	%	70-130
	1,2-Dibromoethane	Lab Fort Blank Amt.	76.9	ug/m3	
		Lab Fort Blk. Found	72.5	ug/m3	
		Lab Fort Blk. % Rec.	94.4	%	70-130
	n-Heptane	Lab Fort Blank Amt.	41.0	ug/m3	
		Lab Fort Blk. Found	37.5	ug/m3	
		Lab Fort Blk. % Rec.	91.6	%	50-150
	1,2-Dichlorotetrafluoroethane (114)	Lab Fort Blank Amt.	69.9	ug/m3	
		Lab Fort Blk. Found	62.9	ug/m3	
		Lab Fort Blk. % Rec.	90.0	%	70-130
	Tetrahydrofuran	Lab Fort Blank Amt.	29.5	ug/m3	
		Lab Fort Blk. Found	32.0	ug/m3	
		Lab Fort Blk. % Rec.	108.5	%	50-150
	Propene	Lab Fort Blank Amt.	17.2	ug/m3	
		Lab Fort Blk. Found	15.9	ug/m3	
		Lab Fort Blk. % Rec.	92.1	%	50-150
	1,3-Butadiene	Lab Fort Blank Amt.	22.1	ug/m3	
		Lab Fort Blk. Found	20.8	ug/m3	
		Lab Fort Blk. % Rec.	93.8	%	70-130



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QC SUMMARY REPORT

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Report Date: 10/28/2005

Lims Bat #: LIMS-92428

Page 7 of 7

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken through all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries



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CHAIN OF CUSTODY RECORD

39 SPRUCE ST
EAST LONGMEADOW, MA 01028

Page ____ of ____

Company Name: MACTEC, INC.
Address: 3630 E LINCOLN AVE
PLYMOUTH 05040

Telephone: (602) 437-0250
Project # 4972-04-2034
Client PO # _____

Attention: Jim Clarke

Project Location: South Mesa

Sampled By: Mark Hammer

Proposal Provided? (For Billing purposes) ☐ yes ☐ no

State Form Required? ☐ yes ☐ no

DATA DELIVERY (check one):
☒ FAX ☐ EMAIL ☐ WEBSITE CLIENT
Fax #: 602 437-3675
Email: _____
Format: ☒ EXCEL ☒ PDF ☐ GIS KEY
☐ OTHER _____

Field ID	Sample Description	Lab #	Start Date/Time	Stop Date/Time	Comp- osite	Grab	Matrix Code										
EEF	CT-1339	40417	10/16/05	1700		X	A	X									
ENT	CT 1499	40418		1705													
INF	CT 4399	40419		1715													
VW-SAB	CT 2154	40420		1735													
VW-7B	CT 1375	40421		1755													

Laboratory Comments: logged in for a 7-day TAT, due 10/21/05, per Dave Veratti's email. JS

Relinquished by: (signature) <u>Mark Hammer</u>	Date/Time: <u>10/20/05 12:05</u>	Turnaround ** <input type="checkbox"/> 7-Day <input checked="" type="checkbox"/> 10-Day <input type="checkbox"/> Other _____	Detection Limit Requirements Regulations? _____ Data Enhancement Project/RCP? <input type="checkbox"/> Y <input type="checkbox"/> N	*Matrix Code: GW = groundwater WW = wastewater DW = drinking water A = air S = soil/solid SL = sludge O = other _____	**Preservation Codes: I = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium bisulfate O = Other _____
Received by: (signature) <u>Mark Hammer</u>	Date/Time: <u>10/10/05 12:05</u>	<input type="checkbox"/> 24-Hr <input type="checkbox"/> 48-Hr <input type="checkbox"/> 72-Hr <input type="checkbox"/> 4-Day Require lab approval	Special Requirements or D.L.s: _____		
Relinquished by: (signature)	Date/Time:				
Received by: (signature) <u>Mark Hammer</u>	Date/Time: <u>10/12/05 0441</u>				

Con-Test Laboratory is the ONLY independent laboratory in all of New England with both prestigious ALPHA and NELAP Certifications and WBE/DBE Certified!



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REPORT DATE 11/17/2005

MACTEC ENGINEERING & CONSULTING - AZ
3630 EAST WIER AVENUE
PHOENIX, AZ 85040
ATTN: JIM CLARKE

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 49565

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-93123
JOB NUMBER: 4972-04-2034

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: SOUTH MESA

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST
EFF	05B44117	AIR	CT4419	to-15 ppbv
EFF	05B44117	AIR	CT4419	to-15 ug/m3
INF	05B44115	AIR	CT3441	to-15 ppbv
INF	05B44115	AIR	CT3441	to-15 ug/m3
INT	05B44116	AIR	CT1315	to-15 ppbv
INT	05B44116	AIR	CT1315	to-15 ug/m3
VW-5AB	05B44118	AIR	CT1220	to-15 ppbv
VW-5AB	05B44118	AIR	CT1220	to-15 ug/m3
VW-7B	05B44119	AIR	CT1658	to-15 ppbv
VW-7B	05B44119	AIR	CT1658	to-15 ug/m3

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations :

AIHA 100033	AIHA ELLAP (LEAD) 100033	
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	ARIZONA AZ0648
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	ARIZONA AZ0654 (AIR)

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Sondra S. Kocot 11/17/05

SIGNATURE

DATE

Tod Kopyscinski
Director of Operations

Sondra S. Kocot
Quality Control Coordinator

Edward Denson
Technical Director



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JIM CLARKE
MACTEC ENGINEERING & CONSULTING - AZ
3630 EAST WIER AVENUE
PHOENIX, AZ 85040

Purchase Order No.: 49565

11/17/2005
Page 1 of 31

Project Location: SOUTH MESA
Date Received: 11/9/2005
Field Sample #: EFF

LIMS-BAT #: LIMS-93123
Job Number: 4972-04-2034

Sample ID: 05B44117

Sampled: 11/8/2005
CT4419

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/F
Acetone	PPBv	ND	11/14/05	TPH	0.5		
Benzene	PPBv	1.0	11/14/05	TPH	0.5		
Benzyl Chloride	PPBv	ND	11/14/05	TPH	0.5		
Bromodichloromethane	PPBv	ND	11/14/05	TPH	0.5		
Bromomethane	PPBv	ND	11/14/05	TPH	0.5		
1,3-Butadiene	PPBv	ND	11/14/05	TPH	0.5		
2-Butanone (MEK)	PPBv	25.	11/14/05	TPH	0.5		
Carbon Disulfide	PPBv	3.7	11/14/05	TPH	0.5		
Carbon Tetrachloride	PPBv	ND	11/14/05	TPH	0.5		
Chlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
Chlorodibromomethane	PPBv	ND	11/14/05	TPH	0.5		
Chloroethane	PPBv	ND	11/14/05	TPH	0.5		
Chloroform	PPBv	1.1	11/14/05	TPH	0.5		
Chloromethane	PPBv	0.8	11/14/05	TPH	0.5		
Cyclohexane	PPBv	4.9	11/14/05	TPH	0.5		
1,2-Dibromoethane	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
1,3-Dichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
1,4-Dichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
Dichlorodifluoromethane	PPBv	1.5	11/14/05	TPH	0.5		
1,1-Dichloroethane	PPBv	2.8	11/14/05	TPH	0.5		
1,2-Dichloroethane	PPBv	18.	11/14/05	TPH	0.5		
1,1-Dichloroethylene	PPBv	2.8	11/14/05	TPH	0.5		
cis-1,2-Dichloroethylene	PPBv	2.4	11/14/05	TPH	0.5		
t-1,2-Dichloroethylene	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dichloropropane	PPBv	ND	11/14/05	TPH	0.5		
cis-1,3-Dichloropropene	PPBv	ND	11/14/05	TPH	0.5		
trans-1,3-Dichloropropene	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	11/14/05	TPH	0.5		
Ethanol	PPBv	41.	11/14/05	TPH	0.5		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



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MACTEC ENGINEERING & CONSULTING - AZ

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PHOENIX, AZ 85040

Purchase Order No.: 49565

11/17/2005

Page 2 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: EFF

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Sample ID : 05B44117

Sampled : 11/8/2005

CT4419

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	PPBv	ND	11/14/05	TPH	0.5		
Ethylbenzene	PPBv	0.8	11/14/05	TPH	0.5		
4-Ethyl Toluene	PPBv	ND	11/14/05	TPH	0.5		
n-Heptane	PPBv	1.7	11/14/05	TPH	0.5		
Hexachlorobutadiene	PPBv	ND	11/14/05	TPH	0.5		
Hexane	PPBv	5.5	11/14/05	TPH	0.5		
2-Hexanone	PPBv	ND	11/14/05	TPH	0.5		
Isopropanol	PPBv	31.	11/14/05	TPH	0.5		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	11/14/05	TPH	0.5		
Methylene Chloride	PPBv	10.	11/14/05	TPH	0.5		
4-Methyl-2-Pentanone (MIBK)	PPBv	3.6	11/14/05	TPH	0.5		
Propene	PPBv	ND	11/14/05	TPH	0.5		
Styrene	PPBv	ND	11/14/05	TPH	0.5		
1,1,2,2-Tetrachloroethane	PPBv	ND	11/14/05	TPH	0.5		
Tetrachloroethylene	PPBv	0.7	11/14/05	TPH	0.5		
Tetrahydrofuran	PPBv	9.3	11/14/05	TPH	0.5		
Toluene	PPBv	27.	11/14/05	TPH	0.5		
1,2,4-Trichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
1,1,1-Trichloroethane	PPBv	ND	11/14/05	TPH	0.5		
1,1,2-Trichloroethane	PPBv	ND	11/14/05	TPH	0.5		
Trichloroethylene	PPBv	200.	11/14/05	TPH	0.5		
Trichlorofluoromethane (Freon 11)	PPBv	1.8	11/14/05	TPH	0.5		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	11/14/05	TPH	0.5		
1,2,4-Trimethylbenzene	PPBv	ND	11/14/05	TPH	0.5		
1,3,5-Trimethylbenzene	PPBv	ND	11/14/05	TPH	0.5		
Vinyl Acetate	PPBv	ND	11/14/05	TPH	0.5		
Vinyl Chloride	PPBv	ND	11/14/05	TPH	0.5		
m/p-Xylene	PPBv	ND	11/14/05	TPH	1.0		
o-Xylene	PPBv	ND	11/14/05	TPH	0.5		

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* = See end of report for comments and notes applying to this sample



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MACTEC ENGINEERING & CONSULTING - AZ

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PHOENIX, AZ 85040

Purchase Order No.: 49565

11/17/2005

Page 3 of 31

Project Location: SOUTH MESA

LIMS-BAT #: LIMS-93123

Date Received: 11/9/2005

Job Number: 4972-04-2034

Field Sample #: EFF

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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11/17/2005

Page 4 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: INF

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Sample ID : 05B44115

Sampled : 11/8/2005

CT3441

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Acetone	PPBv	9.5	11/14/05	TPH	0.5			
Benzene	PPBv	4.8	11/14/05	TPH	0.5			
Benzyl Chloride	PPBv	ND	11/14/05	TPH	0.5			
Bromodichloromethane	PPBv	0.6	11/14/05	TPH	0.5			
Bromomethane	PPBv	ND	11/14/05	TPH	0.5			
1,3-Butadiene	PPBv	ND	11/14/05	TPH	0.5			
2-Butanone (MEK)	PPBv	1.3	11/14/05	TPH	0.5			
Carbon Disulfide	PPBv	ND	11/14/05	TPH	0.5			
Carbon Tetrachloride	PPBv	ND	11/14/05	TPH	0.5			
Chlorobenzene	PPBv	ND	11/14/05	TPH	0.5			
Chlorodibromomethane	PPBv	ND	11/14/05	TPH	0.5			
Chloroethane	PPBv	ND	11/14/05	TPH	0.5			
Chloroform	PPBv	1.9	11/14/05	TPH	0.5			
Chloromethane	PPBv	0.7	11/14/05	TPH	0.5			
Cyclohexane	PPBv	ND	11/14/05	TPH	0.5			
1,2-Dibromoethane	PPBv	ND	11/14/05	TPH	0.5			
1,2-Dichlorobenzene	PPBv	ND	11/14/05	TPH	0.5			
1,3-Dichlorobenzene	PPBv	ND	11/14/05	TPH	0.5			
1,4-Dichlorobenzene	PPBv	ND	11/14/05	TPH	0.5			
Dichlorodifluoromethane	PPBv	1.2	11/14/05	TPH	0.5			
1,1-Dichloroethane	PPBv	5.0	11/14/05	TPH	0.5			
1,2-Dichloroethane	PPBv	ND	11/14/05	TPH	0.5			
1,1-Dichloroethylene	PPBv	3.6	11/14/05	TPH	0.5			
cis-1,2-Dichloroethylene	PPBv	2.9	11/14/05	TPH	0.5			
t-1,2-Dichloroethylene	PPBv	ND	11/14/05	TPH	0.5			
1,2-Dichloropropane	PPBv	1.3	11/14/05	TPH	0.5			
cis-1,3-Dichloropropene	PPBv	ND	11/14/05	TPH	0.5			
trans-1,3-Dichloropropene	PPBv	ND	11/14/05	TPH	0.5			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	11/14/05	TPH	0.5			
Ethanol	PPBv	6.4	11/14/05	TPH	0.5			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



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JIM CLARKE

MACTEC ENGINEERING & CONSULTING - AZ

3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Purchase Order No.: 49565

11/17/2005

Page 5 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: INF

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Sample ID : 05B44115

Sampled : 11/8/2005

CT3441

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	PPBv	ND	11/14/05	TPH	0.5		
Ethylbenzene	PPBv	ND	11/14/05	TPH	0.5		
4-Ethyl Toluene	PPBv	ND	11/14/05	TPH	0.5		
n-Heptane	PPBv	ND	11/14/05	TPH	0.5		
Hexachlorobutadiene	PPBv	ND	11/14/05	TPH	0.5		
Hexane	PPBv	ND	11/14/05	TPH	0.5		
2-Hexanone	PPBv	ND	11/14/05	TPH	0.5		
Isopropanol	PPBv	ND	11/14/05	TPH	0.5		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	11/14/05	TPH	0.5		
Methylene Chloride	PPBv	1.2	11/14/05	TPH	0.5		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	11/14/05	TPH	0.5		
Propene	PPBv	ND	11/14/05	TPH	0.5		
Styrene	PPBv	ND	11/14/05	TPH	0.5		
1,1,2,2-Tetrachloroethane	PPBv	ND	11/14/05	TPH	0.5		
Tetrachloroethylene	PPBv	28.	11/14/05	TPH	0.5		
Tetrahydrofuran	PPBv	ND	11/14/05	TPH	0.5		
Toluene	PPBv	3.1	11/14/05	TPH	0.5		
1,2,4-Trichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
1,1,1-Trichloroethane	PPBv	ND	11/14/05	TPH	0.5		
1,1,2-Trichloroethane	PPBv	ND	11/14/05	TPH	0.5		
Trichloroethylene	PPBv	0.8	11/14/05	TPH	0.5		
Trichlorofluoromethane (Freon 11)	PPBv	1.2	11/14/05	TPH	0.5		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	11/14/05	TPH	0.5		
1,2,4-Trimethylbenzene	PPBv	ND	11/14/05	TPH	0.5		
1,3,5-Trimethylbenzene	PPBv	ND	11/14/05	TPH	0.5		
Vinyl Acetate	PPBv	ND	11/14/05	TPH	0.5		
Vinyl Chloride	PPBv	ND	11/14/05	TPH	0.5		
m/p-Xylene	PPBv	ND	11/14/05	TPH	1.0		
o-Xylene	PPBv	ND	11/14/05	TPH	0.5		

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Purchase Order No.: 49565

11/17/2005

Page 6 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: INF

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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Purchase Order No.: 49565

11/17/2005

Page 7 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: INT

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Sample ID : 05B44116

Sampled : 11/8/2005

CT1315

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	PPBv	ND	11/14/05	TPH	0.5		
Benzene	PPBv	2.8	11/14/05	TPH	0.5		
Benzyl Chloride	PPBv	ND	11/14/05	TPH	0.5		
Bromodichloromethane	PPBv	ND	11/14/05	TPH	0.5		
Bromomethane	PPBv	ND	11/14/05	TPH	0.5		
1,3-Butadiene	PPBv	ND	11/14/05	TPH	0.5		
2-Butanone (MEK)	PPBv	42.	11/14/05	TPH	0.5		
Carbon Disulfide	PPBv	1.4	11/14/05	TPH	0.5		
Carbon Tetrachloride	PPBv	ND	11/14/05	TPH	0.5		
Chlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
Chlorodibromomethane	PPBv	ND	11/14/05	TPH	0.5		
Chloroethane	PPBv	ND	11/14/05	TPH	0.5		
Chloroform	PPBv	2.2	11/14/05	TPH	0.5		
Chloromethane	PPBv	0.7	11/14/05	TPH	0.5		
Cyclohexane	PPBv	7.3	11/14/05	TPH	0.5		
1,2-Dibromoethane	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
1,3-Dichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
1,4-Dichlorobenzene	PPBv	2.4	11/14/05	TPH	0.5		
Dichlorodifluoromethane	PPBv	1.0	11/14/05	TPH	0.5		
1,1-Dichloroethane	PPBv	3.7	11/14/05	TPH	0.5		
1,2-Dichloroethane	PPBv	19.	11/14/05	TPH	0.5		
1,1-Dichloroethylene	PPBv	2.5	11/14/05	TPH	0.5		
cis-1,2-Dichloroethylene	PPBv	2.5	11/14/05	TPH	0.5		
t-1,2-Dichloroethylene	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dichloropropane	PPBv	1.0	11/14/05	TPH	0.5		
cis-1,3-Dichloropropene	PPBv	ND	11/14/05	TPH	0.5		
trans-1,3-Dichloropropene	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	11/14/05	TPH	0.5		
Ethanol	PPBv	51.	11/14/05	TPH	0.5		

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Purchase Order No.: 49565

11/17/2005

Page 8 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: INT

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Sample ID : 05B44116

Sampled : 11/8/2005

CT1315

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	PPBv	ND	11/14/05	TPH	0.5		
Ethylbenzene	PPBv	2.2	11/14/05	TPH	0.5		
4-Ethyl Toluene	PPBv	0.8	11/14/05	TPH	0.5		
n-Heptane	PPBv	2.5	11/14/05	TPH	0.5		
Hexachlorobutadiene	PPBv	ND	11/14/05	TPH	0.5		
Hexane	PPBv	7.1	11/14/05	TPH	0.5		
2-Hexanone	PPBv	ND	11/14/05	TPH	0.5		
Isopropanol	PPBv	46.	11/14/05	TPH	0.5		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	11/14/05	TPH	0.5		
Methylene Chloride	PPBv	13.	11/14/05	TPH	0.5		
4-Methyl-2-Pentanone (MIBK)	PPBv	8.9	11/14/05	TPH	0.5		
Propene	PPBv	ND	11/14/05	TPH	0.5		
Styrene	PPBv	1.3	11/14/05	TPH	0.5		
1,1,2,2-Tetrachloroethane	PPBv	ND	11/14/05	TPH	0.5		
Tetrachloroethylene	PPBv	75.	11/14/05	TPH	0.5		
Tetrahydrofuran	PPBv	12.	11/14/05	TPH	0.5		
Toluene	PPBv	56.	11/14/05	TPH	0.5		
1,2,4-Trichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
1,1,1-Trichloroethane	PPBv	ND	11/14/05	TPH	0.5		
1,1,2-Trichloroethane	PPBv	ND	11/14/05	TPH	0.5		
Trichloroethylene	PPBv	320.	11/14/05	TPH	0.5		
Trichlorofluoromethane (Freon 11)	PPBv	1.0	11/14/05	TPH	0.5		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	11/14/05	TPH	0.5		
1,2,4-Trimethylbenzene	PPBv	2.2	11/14/05	TPH	0.5		
1,3,5-Trimethylbenzene	PPBv	0.8	11/14/05	TPH	0.5		
Vinyl Acetate	PPBv	ND	11/14/05	TPH	0.5		
Vinyl Chloride	PPBv	ND	11/14/05	TPH	0.5		
m/p-Xylene	PPBv	6.3	11/14/05	TPH	1.0		
o-Xylene	PPBv	2.1	11/14/05	TPH	0.5		

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3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: INT

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

11/17/2005

Page 9 of 31

Purchase Order No.: 49565

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

RL = Reporting Limit

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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11/17/2005
Page 10 of 31

* Purchase Order No.: 49565

Project Location: SOUTH MESA
Date Received: 11/9/2005
Field Sample #: VW-5AB

LIMS-BAT #: LIMS-93123
Job Number: 4972-04-2034

Sample ID : 05B44118

Sampled : 11/8/2005

CT1220

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	PPBv	14.	11/14/05	TPH	0.5		
Benzene	PPBv	ND	11/14/05	TPH	0.5		
Benzyl Chloride	PPBv	ND	11/14/05	TPH	0.5		
Bromodichloromethane	PPBv	7.9	11/14/05	TPH	0.5		
Bromomethane	PPBv	ND	11/14/05	TPH	0.5		
1,3-Butadiene	PPBv	ND	11/14/05	TPH	0.5		
2-Butanone (MEK)	PPBv	5.7	11/14/05	TPH	0.5		
Carbon Disulfide	PPBv	ND	11/14/05	TPH	0.5		
Carbon Tetrachloride	PPBv	ND	11/14/05	TPH	0.5		
Chlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
Chlorodibromomethane	PPBv	0.6	11/14/05	TPH	0.5		
Chloroethane	PPBv	ND	11/14/05	TPH	0.5		
Chloroform	PPBv	11.	11/14/05	TPH	0.5		
Chloromethane	PPBv	ND	11/14/05	TPH	0.5		
Cyclohexane	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dibromoethane	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
1,3-Dichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
1,4-Dichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
Dichlorodifluoromethane	PPBv	2.3	11/14/05	TPH	0.5		
1,1-Dichloroethane	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dichloroethane	PPBv	0.6	11/14/05	TPH	0.5		
1,1-Dichloroethylene	PPBv	ND	11/14/05	TPH	0.5		
cis-1,2-Dichloroethylene	PPBv	47.	11/14/05	TPH	0.5		
t-1,2-Dichloroethylene	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dichloropropane	PPBv	ND	11/14/05	TPH	0.5		
cis-1,3-Dichloropropene	PPBv	ND	11/14/05	TPH	0.5		
trans-1,3-Dichloropropene	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	11/14/05	TPH	0.5		
Ethanol	PPBv	ND	11/14/05	TPH	0.5		

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PHOENIX, AZ 85040

Purchase Order No.: 49565

11/17/2005

Page 11 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: VW-5AB

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Sample ID: 05B44118

Sampled: 11/8/2005

CT1220

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Ethyl Acetate	PPBv	ND	11/14/05	TPH	0.5		
Ethylbenzene	PPBv	ND	11/14/05	TPH	0.5		
4-Ethyl Toluene	PPBv	ND	11/14/05	TPH	0.5		
n-Heptane	PPBv	ND	11/14/05	TPH	0.5		
Hexachlorobutadiene	PPBv	ND	11/14/05	TPH	0.5		
Hexane	PPBv	ND	11/14/05	TPH	0.5		
2-Hexanone	PPBv	ND	11/14/05	TPH	0.5		
Isopropanol	PPBv	ND	11/14/05	TPH	0.5		
Methyl tert-Butyl Ether (MTBE)	PPBv	0.7	11/14/05	TPH	0.5		
Methylene Chloride	PPBv	11.	11/14/05	TPH	0.5		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	11/14/05	TPH	0.5		
Propene	PPBv	ND	11/14/05	TPH	0.5		
Styrene	PPBv	ND	11/14/05	TPH	0.5		
1,1,2,2-Tetrachloroethane	PPBv	ND	11/14/05	TPH	0.5		
Tetrachloroethylene	PPBv	100.	11/14/05	TPH	0.5		
Tetrahydrofuran	PPBv	10.	11/14/05	TPH	0.5		
Toluene	PPBv	1.9	11/14/05	TPH	0.5		
1,2,4-Trichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
1,1,1-Trichloroethane	PPBv	ND	11/14/05	TPH	0.5		
1,1,2-Trichloroethane	PPBv	ND	11/14/05	TPH	0.5		
Trichloroethylene	PPBv	9.2	11/14/05	TPH	0.5		
Trichlorofluoromethane (Freon 11)	PPBv	5.9	11/14/05	TPH	0.5		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	11/14/05	TPH	0.5		
1,2,4-Trimethylbenzene	PPBv	ND	11/14/05	TPH	0.5		
1,3,5-Trimethylbenzene	PPBv	ND	11/14/05	TPH	0.5		
Vinyl Acetate	PPBv	ND	11/14/05	TPH	0.5		
Vinyl Chloride	PPBv	ND	11/14/05	TPH	0.5		
m/p-Xylene	PPBv	ND	11/14/05	TPH	1.0		
o-Xylene	PPBv	ND	11/14/05	TPH	0.5		

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Purchase Order No.: 49565

11/17/2005

Page 12 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: VW-5AB

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

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Purchase Order No.: 49565

11/17/2005

Page 13 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: VW-7B

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Sample ID: 05B44119

Sampled: 11/8/2005

CT1658

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	PPBv	ND	11/14/05	TPH	0.5		
Benzene	PPBv	2.1	11/14/05	TPH	0.5		
Benzyl Chloride	PPBv	ND	11/14/05	TPH	0.5		
Bromodichloromethane	PPBv	4.5	11/14/05	TPH	0.5		
Bromomethane	PPBv	ND	11/14/05	TPH	0.5		
1,3-Butadiene	PPBv	ND	11/14/05	TPH	0.5		
2-Butanone (MEK)	PPBv	ND	11/14/05	TPH	0.5		
Carbon Disulfide	PPBv	ND	11/14/05	TPH	0.5		
Carbon Tetrachloride	PPBv	ND	11/14/05	TPH	0.5		
Chlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
Chlorodibromomethane	PPBv	0.5	11/14/05	TPH	0.5		
Chloroethane	PPBv	ND	11/14/05	TPH	0.5		
Chloroform	PPBv	14.	11/14/05	TPH	0.5		
Chloromethane	PPBv	ND	11/14/05	TPH	0.5		
Cyclohexane	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dibromoethane	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
1,3-Dichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
1,4-Dichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
Dichlorodifluoromethane	PPBv	5.1	11/14/05	TPH	0.5		
1,1-Dichloroethane	PPBv	49.	11/14/05	TPH	0.5		
1,2-Dichloroethane	PPBv	ND	11/14/05	TPH	0.5		
1,1-Dichloroethylene	PPBv	33.	11/14/05	TPH	0.5		
cis-1,2-Dichloroethylene	PPBv	13.	11/14/05	TPH	0.5		
t-1,2-Dichloroethylene	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dichloropropane	PPBv	18.	11/14/05	TPH	0.5		
cis-1,3-Dichloropropene	PPBv	ND	11/14/05	TPH	0.5		
trans-1,3-Dichloropropene	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	11/14/05	TPH	0.5		
Ethanol	PPBv	ND	11/14/05	TPH	0.5		

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Purchase Order No.: 49565

11/17/2005
Page 14 of 31

Project Location: SOUTH MESA
Date Received: 11/9/2005
Field Sample #: VW-7B

LIMS-BAT #: LIMS-93123
Job Number: 4972-04-2034

Sample ID : 05B44119

Sampled : 11/8/2005
CT1658

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	PPBv	ND	11/14/05	TPH	0.5		
Ethylbenzene	PPBv	ND	11/14/05	TPH	0.5		
4-Ethyl Toluene	PPBv	ND	11/14/05	TPH	0.5		
n-Heptane	PPBv	ND	11/14/05	TPH	0.5		
Hexachlorobutadiene	PPBv	ND	11/14/05	TPH	0.5		
Hexane	PPBv	ND	11/14/05	TPH	0.5		
2-Hexanone	PPBv	ND	11/14/05	TPH	0.5		
Isopropanol	PPBv	ND	11/14/05	TPH	0.5		
Methyl tert-Butyl Ether (MTBE)	PPBv	0.9	11/14/05	TPH	0.5		
Methylene Chloride	PPBv	ND	11/14/05	TPH	0.5		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	11/14/05	TPH	0.5		
Propene	PPBv	ND	11/14/05	TPH	0.5		
Styrene	PPBv	ND	11/14/05	TPH	0.5		
1,1,2,2-Tetrachloroethane	PPBv	ND	11/14/05	TPH	0.5		
Tetrachloroethylene	PPBv	960.	11/14/05	TPH	0.5		
Tetrahydrofuran	PPBv	ND	11/14/05	TPH	0.5		
Toluene	PPBv	1.6	11/14/05	TPH	0.5		
1,2,4-Trichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
1,1,1-Trichloroethane	PPBv	1.3	11/14/05	TPH	0.5		
1,1,2-Trichloroethane	PPBv	ND	11/14/05	TPH	0.5		
Trichloroethylene	PPBv	4.5	11/14/05	TPH	0.5		
Trichlorofluoromethane (Freon 11)	PPBv	7.1	11/14/05	TPH	0.5		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.9	11/14/05	TPH	0.5		
1,2,4-Trimethylbenzene	PPBv	ND	11/14/05	TPH	0.5		
1,3,5-Trimethylbenzene	PPBv	ND	11/14/05	TPH	0.5		
Vinyl Acetate	PPBv	ND	11/14/05	TPH	0.5		
Vinyl Chloride	PPBv	ND	11/14/05	TPH	0.5		
m/p-Xylene	PPBv	ND	11/14/05	TPH	1.0		
o-Xylene	PPBv	ND	11/14/05	TPH	0.5		

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Purchase Order No.: 49565

11/17/2005

Page 15 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Field Sample #: VW-7B

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Purchase Order No.: 49565

11/17/2005
Page 16 of 31

Project Location: SOUTH MESA
Date Received: 11/9/2005
Field Sample #: EFF

LIMS-BAT #: LIMS-93123
Job Number: 4972-04-2034

Sample ID : *05B44117

Sampled : 11/8/2005
CT4419

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	ND	11/14/05	TPH	1.2		
Benzene	ug/m3	3.1	11/14/05	TPH	1.6		
Benzyl Chloride	ug/m3	ND	11/14/05	TPH	2.6		
Bromodichloromethane	ug/m3	ND	11/14/05	TPH	3.4		
Bromomethane	ug/m3	ND	11/14/05	TPH	1.9		
1,3-Butadiene	ug/m3	ND	11/14/05	TPH	1.1		
2-Butanone (MEK)	ug/m3	74.	11/14/05	TPH	1.5		
Carbon Disulfide	ug/m3	11.	11/14/05	TPH	1.6		
Carbon Tetrachloride	ug/m3	ND	11/14/05	TPH	3.1		
Chlorobenzene	ug/m3	ND	11/14/05	TPH	2.3		
Chlorodibromomethane	ug/m3	ND	11/14/05	TPH	4.3		
Chloroethane	ug/m3	ND	11/14/05	TPH	1.3		
Chloroform	ug/m3	5.5	11/14/05	TPH	2.4		
Chloromethane	ug/m3	1.7	11/14/05	TPH	1.0		
Cyclohexane	ug/m3	17.	11/14/05	TPH	1.7		
1,2-Dibromoethane	ug/m3	ND	11/14/05	TPH	3.8		
1,2-Dichlorobenzene	ug/m3	ND	11/14/05	TPH	3.0		
1,3-Dichlorobenzene	ug/m3	ND	11/14/05	TPH	3.0		
1,4-Dichlorobenzene	ug/m3	ND	11/14/05	TPH	3.0		
Dichlorodifluoromethane	ug/m3	7.4	11/14/05	TPH	2.5		
1,1-Dichloroethane	ug/m3	11.	11/14/05	TPH	2.0		
1,2-Dichloroethane	ug/m3	72.	11/14/05	TPH	2.0		
1,1-Dichloroethylene	ug/m3	11.	11/14/05	TPH	2.0		
cis-1,2-Dichloroethylene	ug/m3	9.5	11/14/05	TPH	2.0		
t-1,2-Dichloroethylene	ug/m3	ND	11/14/05	TPH	2.0		
1,2-Dichloropropane	ug/m3	ND	11/14/05	TPH	2.3		
cis-1,3-Dichloropropene	ug/m3	ND	11/14/05	TPH	2.3		
trans-1,3-Dichloropropene	ug/m3	ND	11/14/05	TPH	2.3		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	11/14/05	TPH	3.5		
Ethanol	ug/m3	77.	11/14/05	TPH	0.9		

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Purchase Order No.: 49565

11/17/2005

Page 17 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: EFF

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Sample ID : *05B44117

Sampled : 11/8/2005

CT4419

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	11/14/05	TPH	1.8		
Ethylbenzene	ug/m3	3.3	11/14/05	TPH	2.2		
4-Ethyl Toluene	ug/m3	ND	11/14/05	TPH	2.5		
n-Heptane	ug/m3	6.8	11/14/05	TPH	2.0		
Hexachlorobutadiene	ug/m3	ND	11/14/05	TPH	5.4		
Hexane	ug/m3	19.	11/14/05	TPH	1.8		
2-Hexanone	ug/m3	ND	11/14/05	TPH	2.0		
Isopropanol	ug/m3	76.	11/14/05	TPH	1.2		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	11/14/05	TPH	1.8		
Methylene Chloride	ug/m3	36.	11/14/05	TPH	1.7		
4-Methyl-2-Pentanone (MIBK)	ug/m3	15.	11/14/05	TPH	2.0		
Propene	ug/m3	ND	11/14/05	TPH	0.9		
Styrene	ug/m3	ND	11/14/05	TPH	2.1		
1,1,2,2-Tetrachloroethane	ug/m3	ND	11/14/05	TPH	3.4		
Tetrachloroethylene	ug/m3	4.7	11/14/05	TPH	3.4		
Tetrahydrofuran	ug/m3	27.	11/14/05	TPH	1.5		
Toluene	ug/m3	100.	11/14/05	TPH	1.9		
1,2,4-Trichlorobenzene	ug/m3	ND	11/14/05	TPH	3.7		
1,1,1-Trichloroethane	ug/m3	ND	11/14/05	TPH	2.7		
1,1,2-Trichloroethane	ug/m3	ND	11/14/05	TPH	2.7		
Trichloroethylene	ug/m3	1100.	11/14/05	TPH	2.7		
Trichlorofluoromethane	ug/m3	10.	11/14/05	TPH	2.8		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	11/14/05	TPH	3.8		
1,2,4-Trimethylbenzene	ug/m3	ND	11/14/05	TPH	2.5		
1,3,5-Trimethylbenzene	ug/m3	ND	11/14/05	TPH	2.5		
Vinyl Acetate	ug/m3	ND	11/14/05	TPH	1.8		
Vinyl Chloride	ug/m3	ND	11/14/05	TPH	1.3		
m/p-Xylene	ug/m3	ND	11/14/05	TPH	4.3		
o-Xylene	ug/m3	ND	11/14/05	TPH	2.2		

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Purchase Order No.: 49565

11/17/2005

Page 18 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: EFF

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Purchase Order No.: 49565

11/17/2005

Page 19 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: INF

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Sample ID : *05B44115

Sampled : 11/8/2005

CT3441

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	23.	11/14/05	TPH	1.2		
Benzene	ug/m3	15.	11/14/05	TPH	1.6		
Benzyl Chloride	ug/m3	ND	11/14/05	TPH	2.6		
Bromodichloromethane	ug/m3	4.1	11/14/05	TPH	3.4		
Bromomethane	ug/m3	ND	11/14/05	TPH	1.9		
1,3-Butadiene	ug/m3	ND	11/14/05	TPH	1.1		
2-Butanone (MEK)	ug/m3	4.0	11/14/05	TPH	1.5		
Carbon Disulfide	ug/m3	ND	11/14/05	TPH	1.6		
Carbon Tetrachloride	ug/m3	ND	11/14/05	TPH	3.1		
Chlorobenzene	ug/m3	ND	11/14/05	TPH	2.3		
Chlorodibromomethane	ug/m3	ND	11/14/05	TPH	4.3		
Chloroethane	ug/m3	ND	11/14/05	TPH	1.3		
Chloroform	ug/m3	9.1	11/14/05	TPH	2.4		
Chloromethane	ug/m3	1.4	11/14/05	TPH	1.0		
Cyclohexane	ug/m3	ND	11/14/05	TPH	1.7		
1,2-Dibromoethane	ug/m3	ND	11/14/05	TPH	3.8		
1,2-Dichlorobenzene	ug/m3	ND	11/14/05	TPH	3.0		
1,3-Dichlorobenzene	ug/m3	ND	11/14/05	TPH	3.0		
1,4-Dichlorobenzene	ug/m3	ND	11/14/05	TPH	3.0		
Dichlorodifluoromethane	ug/m3	6.2	11/14/05	TPH	2.5		
1,1-Dichloroethane	ug/m3	20.	11/14/05	TPH	2.0		
1,2-Dichloroethane	ug/m3	ND	11/14/05	TPH	2.0		
1,1-Dichloroethylene	ug/m3	14.	11/14/05	TPH	2.0		
cis-1,2-Dichloroethylene	ug/m3	11.	11/14/05	TPH	2.0		
t-1,2-Dichloroethylene	ug/m3	ND	11/14/05	TPH	2.0		
1,2-Dichloropropane	ug/m3	6.0	11/14/05	TPH	2.3		
cis-1,3-Dichloropropene	ug/m3	ND	11/14/05	TPH	2.3		
trans-1,3-Dichloropropene	ug/m3	ND	11/14/05	TPH	2.3		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	11/14/05	TPH	3.5		
Ethanol	ug/m3	12.	11/14/05	TPH	0.9		

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Purchase Order No.: 49565

11/17/2005

Page 20 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: INF

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Sample ID : *05B44115

Sampled : 11/8/2005

CT3441

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	11/14/05	TPH	1.8		
Ethylbenzene	ug/m3	ND	11/14/05	TPH	2.2		
4-Ethyl Toluene	ug/m3	ND	11/14/05	TPH	2.5		
n-Heptane	ug/m3	ND	11/14/05	TPH	2.0		
Hexachlorobutadiene	ug/m3	ND	11/14/05	TPH	5.4		
Hexane	ug/m3	ND	11/14/05	TPH	1.8		
2-Hexanone	ug/m3	ND	11/14/05	TPH	2.0		
Isopropanol	ug/m3	ND	11/14/05	TPH	1.2		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	11/14/05	TPH	1.8		
Methylene Chloride	ug/m3	4.1	11/14/05	TPH	1.7		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	11/14/05	TPH	2.0		
Propene	ug/m3	ND	11/14/05	TPH	0.9		
Styrene	ug/m3	ND	11/14/05	TPH	2.1		
1,1,2,2-Tetrachloroethane	ug/m3	ND	11/14/05	TPH	3.4		
Tetrachloroethylene	ug/m3	190.	11/14/05	TPH	3.4		
Tetrahydrofuran	ug/m3	ND	11/14/05	TPH	1.5		
Toluene	ug/m3	12.	11/14/05	TPH	1.9		
1,2,4-Trichlorobenzene	ug/m3	ND	11/14/05	TPH	3.7		
1,1,1-Trichloroethane	ug/m3	ND	11/14/05	TPH	2.7		
1,1,2-Trichloroethane	ug/m3	ND	11/14/05	TPH	2.7		
Trichloroethylene	ug/m3	4.4	11/14/05	TPH	2.7		
Trichlorofluoromethane	ug/m3	6.9	11/14/05	TPH	2.8		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	11/14/05	TPH	3.8		
1,2,4-Trimethylbenzene	ug/m3	ND	11/14/05	TPH	2.5		
1,3,5-Trimethylbenzene	ug/m3	ND	11/14/05	TPH	2.5		
Vinyl Acetate	ug/m3	ND	11/14/05	TPH	1.8		
Vinyl Chloride	ug/m3	ND	11/14/05	TPH	1.3		
m/p-Xylene	ug/m3	ND	11/14/05	TPH	4.3		
o-Xylene	ug/m3	ND	11/14/05	TPH	2.2		

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Purchase Order No.: 49565

11/17/2005

Page 21 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: INF

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Purchase Order No.: 49565

11/17/2005

Page 22 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: INT

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Sample ID : *05B44116

Sampled : 11/8/2005

CT1315

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	ug/m3	ND	11/14/05	TPH	1.2			
Benzene	ug/m3	9.0	11/14/05	TPH	1.6			
Benzyl Chloride	ug/m3	ND	11/14/05	TPH	2.6			
Bromodichloromethane	ug/m3	ND	11/14/05	TPH	3.4			
Bromomethane	ug/m3	ND	11/14/05	TPH	1.9			
1,3-Butadiene	ug/m3	ND	11/14/05	TPH	1.1			
2-Butanone (MEK)	ug/m3	120.	11/14/05	TPH	1.5			
Carbon Disulfide	ug/m3	4.4	11/14/05	TPH	1.6			
Carbon Tetrachloride	ug/m3	ND	11/14/05	TPH	3.1			
Chlorobenzene	ug/m3	ND	11/14/05	TPH	2.3			
Chlorodibromomethane	ug/m3	ND	11/14/05	TPH	4.3			
Chloroethane	ug/m3	ND	11/14/05	TPH	1.3			
Chloroform	ug/m3	11.	11/14/05	TPH	2.4			
Chloromethane	ug/m3	1.5	11/14/05	TPH	1.0			
Cyclohexane	ug/m3	25.	11/14/05	TPH	1.7			
1,2-Dibromoethane	ug/m3	ND	11/14/05	TPH	3.8			
1,2-Dichlorobenzene	ug/m3	ND	11/14/05	TPH	3.0			
1,3-Dichlorobenzene	ug/m3	ND	11/14/05	TPH	3.0			
1,4-Dichlorobenzene	ug/m3	14.	11/14/05	TPH	3.0			
Dichlorodifluoromethane	ug/m3	4.8	11/14/05	TPH	2.5			
1,1-Dichloroethane	ug/m3	15.	11/14/05	TPH	2.0			
1,2-Dichloroethane	ug/m3	75.	11/14/05	TPH	2.0			
1,1-Dichloroethylene	ug/m3	10.	11/14/05	TPH	2.0			
cis-1,2-Dichloroethylene	ug/m3	10.	11/14/05	TPH	2.0			
t-1,2-Dichloroethylene	ug/m3	ND	11/14/05	TPH	2.0			
1,2-Dichloropropane	ug/m3	4.7	11/14/05	TPH	2.3			
cis-1,3-Dichloropropene	ug/m3	ND	11/14/05	TPH	2.3			
trans-1,3-Dichloropropene	ug/m3	ND	11/14/05	TPH	2.3			
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	11/14/05	TPH	3.5			
Ethanol	ug/m3	96.	11/14/05	TPH	0.9			

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* = See end of report for comments and notes applying to this sample



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3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Purchase Order No.: 49565

11/17/2005

Page 23 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: INT

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Sample ID: *05B44116

Sampled: 11/8/2005

CT1315

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	11/14/05	TPH	1.8		
Ethylbenzene	ug/m3	9.6	11/14/05	TPH	2.2		
4-Ethyl Toluene	ug/m3	3.7	11/14/05	TPH	2.5		
n-Heptane	ug/m3	10.	11/14/05	TPH	2.0		
Hexachlorobutadiene	ug/m3	ND	11/14/05	TPH	5.4		
Hexane	ug/m3	25.	11/14/05	TPH	1.8		
2-Hexanone	ug/m3	ND	11/14/05	TPH	2.0		
Isopropanol	ug/m3	110.	11/14/05	TPH	1.2		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	11/14/05	TPH	1.8		
Methylene Chloride	ug/m3	46.	11/14/05	TPH	1.7		
4-Methyl-2-Pentanone (MIBK)	ug/m3	37.	11/14/05	TPH	2.0		
Propene	ug/m3	ND	11/14/05	TPH	0.9		
Styrene	ug/m3	5.6	11/14/05	TPH	2.1		
1,1,2,2-Tetrachloroethane	ug/m3	ND	11/14/05	TPH	3.4		
Tetrachloroethylene	ug/m3	510.	11/14/05	TPH	3.4		
Tetrahydrofuran	ug/m3	34.	11/14/05	TPH	1.5		
Toluene	ug/m3	210.	11/14/05	TPH	1.9		
1,2,4-Trichlorobenzene	ug/m3	ND	11/14/05	TPH	3.7		
1,1,1-Trichloroethane	ug/m3	ND	11/14/05	TPH	2.7		
1,1,2-Trichloroethane	ug/m3	ND	11/14/05	TPH	2.7		
Trichloroethylene	ug/m3	1700.	11/14/05	TPH	2.7		
Trichlorofluoromethane	ug/m3	5.5	11/14/05	TPH	2.8		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	11/14/05	TPH	3.8		
1,2,4-Trimethylbenzene	ug/m3	11.	11/14/05	TPH	2.5		
1,3,5-Trimethylbenzene	ug/m3	3.9	11/14/05	TPH	2.5		
Vinyl Acetate	ug/m3	ND	11/14/05	TPH	1.8		
Vinyl Chloride	ug/m3	ND	11/14/05	TPH	1.3		
m/p-Xylene	ug/m3	27.	11/14/05	TPH	4.3		
o-Xylene	ug/m3	9.3	11/14/05	TPH	2.2		

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Purchase Order No.: 49565

11/17/2005

Page 24 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: INT

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Purchase Order No.: 49565

11/17/2005

Page 25 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: VW-5AB

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Sample ID: *05B44118

Sampled: 11/8/2005

CT1220

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	33.	11/14/05	TPH	1.2		
Benzene	ug/m3	ND	11/14/05	TPH	1.6		
Benzyl Chloride	ug/m3	ND	11/14/05	TPH	2.6		
Bromodichloromethane	ug/m3	53.	11/14/05	TPH	3.4		
Bromomethane	ug/m3	ND	11/14/05	TPH	1.9		
1,3-Butadiene	ug/m3	ND	11/14/05	TPH	1.1		
2-Butanone (MEK)	ug/m3	17.	11/14/05	TPH	1.5		
Carbon Disulfide	ug/m3	ND	11/14/05	TPH	1.6		
Carbon Tetrachloride	ug/m3	ND	11/14/05	TPH	3.1		
Chlorobenzene	ug/m3	ND	11/14/05	TPH	2.3		
Chlorodibromomethane	ug/m3	5.4	11/14/05	TPH	4.3		
Chloroethane	ug/m3	ND	11/14/05	TPH	1.3		
Chloroform	ug/m3	53.	11/14/05	TPH	2.4		
Chloromethane	ug/m3	ND	11/14/05	TPH	1.0		
Cyclohexane	ug/m3	ND	11/14/05	TPH	1.7		
1,2-Dibromoethane	ug/m3	ND	11/14/05	TPH	3.8		
1,2-Dichlorobenzene	ug/m3	ND	11/14/05	TPH	3.0		
1,3-Dichlorobenzene	ug/m3	ND	11/14/05	TPH	3.0		
1,4-Dichlorobenzene	ug/m3	ND	11/14/05	TPH	3.0		
Dichlorodifluoromethane	ug/m3	11.	11/14/05	TPH	2.5		
1,1-Dichloroethane	ug/m3	ND	11/14/05	TPH	2.0		
1,2-Dichloroethane	ug/m3	2.4	11/14/05	TPH	2.0		
1,1-Dichloroethylene	ug/m3	ND	11/14/05	TPH	2.0		
cis-1,2-Dichloroethylene	ug/m3	190.	11/14/05	TPH	2.0		
t-1,2-Dichloroethylene	ug/m3	ND	11/14/05	TPH	2.0		
1,2-Dichloropropane	ug/m3	ND	11/14/05	TPH	2.3		
cis-1,3-Dichloropropene	ug/m3	ND	11/14/05	TPH	2.3		
trans-1,3-Dichloropropene	ug/m3	ND	11/14/05	TPH	2.3		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	11/14/05	TPH	3.5		
Ethanol	ug/m3	ND	11/14/05	TPH	0.9		

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Purchase Order No.: 49565

11/17/2005

Page 26 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: VW-5AB

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Sample ID: *05B44118

Sampled: 11/8/2005

CT1220

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	11/14/05	TPH	1.8		
Ethylbenzene	ug/m3	ND	11/14/05	TPH	2.2		
4-Ethyl Toluene	ug/m3	ND	11/14/05	TPH	2.5		
n-Heptane	ug/m3	ND	11/14/05	TPH	2.0		
Hexachlorobutadiene	ug/m3	ND	11/14/05	TPH	5.4		
Hexane	ug/m3	ND	11/14/05	TPH	1.8		
2-Hexanone	ug/m3	ND	11/14/05	TPH	2.0		
Isopropanol	ug/m3	ND	11/14/05	TPH	1.2		
Methyl tert-Butyl Ether (MTBE)	ug/m3	2.6	11/14/05	TPH	1.8		
Methylene Chloride	ug/m3	40.	11/14/05	TPH	1.7		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	11/14/05	TPH	2.0		
Propene	ug/m3	ND	11/14/05	TPH	0.9		
Styrene	ug/m3	ND	11/14/05	TPH	2.1		
1,1,2,2-Tetrachloroethane	ug/m3	ND	11/14/05	TPH	3.4		
Tetrachloroethylene	ug/m3	700.	11/14/05	TPH	3.4		
Tetrahydrofuran	ug/m3	30.	11/14/05	TPH	1.5		
Toluene	ug/m3	7.1	11/14/05	TPH	1.9		
1,2,4-Trichlorobenzene	ug/m3	ND	11/14/05	TPH	3.7		
1,1,1-Trichloroethane	ug/m3	ND	11/14/05	TPH	2.7		
1,1,2-Trichloroethane	ug/m3	ND	11/14/05	TPH	2.7		
Trichloroethylene	ug/m3	49.	11/14/05	TPH	2.7		
Trichlorofluoromethane	ug/m3	33.	11/14/05	TPH	2.8		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	11/14/05	TPH	3.8		
1,2,4-Trimethylbenzene	ug/m3	ND	11/14/05	TPH	2.5		
1,3,5-Trimethylbenzene	ug/m3	ND	11/14/05	TPH	2.5		
Vinyl Acetate	ug/m3	ND	11/14/05	TPH	1.8		
Vinyl Chloride	ug/m3	ND	11/14/05	TPH	1.3		
m/p-Xylene	ug/m3	ND	11/14/05	TPH	4.3		
o-Xylene	ug/m3	ND	11/14/05	TPH	2.2		

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Purchase Order No.: 49565

11/17/2005

Page 27 of 31

Project Location: SOUTH MESA

LIMS-BAT #: LIMS-93123

Date Received: 11/9/2005

Job Number: 4972-04-2034

Field Sample #: VW-5AB

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Purchase Order No.: 49565

11/17/2005

Page 28 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: VW-7B

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Sample ID: *05B44119

Sampled: 11/8/2005

CT1658

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	ND	11/14/05	TPH	1.2		
Benzene	ug/m3	6.7	11/14/05	TPH	1.6		
Benzyl Chloride	ug/m3	ND	11/14/05	TPH	2.6		
Bromodichloromethane	ug/m3	30.	11/14/05	TPH	3.4		
Bromomethane	ug/m3	ND	11/14/05	TPH	1.9		
1,3-Butadiene	ug/m3	ND	11/14/05	TPH	1.1		
2-Butanone (MEK)	ug/m3	ND	11/14/05	TPH	1.5		
Carbon Disulfide	ug/m3	ND	11/14/05	TPH	1.6		
Carbon Tetrachloride	ug/m3	ND	11/14/05	TPH	3.1		
Chlorobenzene	ug/m3	ND	11/14/05	TPH	2.3		
Chlorodibromomethane	ug/m3	4.4	11/14/05	TPH	4.3		
Chloroethane	ug/m3	ND	11/14/05	TPH	1.3		
Chloroform	ug/m3	69.	11/14/05	TPH	2.4		
Chloromethane	ug/m3	ND	11/14/05	TPH	1.0		
Cyclohexane	ug/m3	ND	11/14/05	TPH	1.7		
1,2-Dibromoethane	ug/m3	ND	11/14/05	TPH	3.8		
1,2-Dichlorobenzene	ug/m3	ND	11/14/05	TPH	3.0		
1,3-Dichlorobenzene	ug/m3	ND	11/14/05	TPH	3.0		
1,4-Dichlorobenzene	ug/m3	ND	11/14/05	TPH	3.0		
Dichlorodifluoromethane	ug/m3	25.	11/14/05	TPH	2.5		
1,1-Dichloroethane	ug/m3	200.	11/14/05	TPH	2.0		
1,2-Dichloroethane	ug/m3	ND	11/14/05	TPH	2.0		
1,1-Dichloroethylene	ug/m3	130.	11/14/05	TPH	2.0		
cis-1,2-Dichloroethylene	ug/m3	51.	11/14/05	TPH	2.0		
t-1,2-Dichloroethylene	ug/m3	ND	11/14/05	TPH	2.0		
1,2-Dichloropropane	ug/m3	82.	11/14/05	TPH	2.3		
cis-1,3-Dichloropropene	ug/m3	ND	11/14/05	TPH	2.3		
trans-1,3-Dichloropropene	ug/m3	ND	11/14/05	TPH	2.3		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	11/14/05	TPH	3.5		
Ethanol	ug/m3	ND	11/14/05	TPH	0.9		

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Purchase Order No.: 49565

11/17/2005

Page 29 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: VW-7B

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Sample ID : *05B44119

Sampled : 11/8/2005

CT1658

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	11/14/05	TPH	1.8		
Ethylbenzene	ug/m3	ND	11/14/05	TPH	2.2		
4-Ethyl Toluene	ug/m3	ND	11/14/05	TPH	2.5		
n-Heptane	ug/m3	ND	11/14/05	TPH	2.0		
Hexachlorobutadiene	ug/m3	ND	11/14/05	TPH	5.4		
Hexane	ug/m3	ND	11/14/05	TPH	1.8		
2-Hexanone	ug/m3	ND	11/14/05	TPH	2.0		
Isopropanol	ug/m3	ND	11/14/05	TPH	1.2		
Methyl tert-Butyl Ether (MTBE)	ug/m3	3.1	11/14/05	TPH	1.8		
Methylene Chloride	ug/m3	ND	11/14/05	TPH	1.7		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	11/14/05	TPH	2.0		
Propene	ug/m3	ND	11/14/05	TPH	0.9		
Styrene	ug/m3	ND	11/14/05	TPH	2.1		
1,1,2,2-Tetrachloroethane	ug/m3	ND	11/14/05	TPH	3.4		
Tetrachloroethylene	ug/m3	6500.	11/14/05	TPH	3.4		
Tetrahydrofuran	ug/m3	ND	11/14/05	TPH	1.5		
Toluene	ug/m3	5.9	11/14/05	TPH	1.9		
1,2,4-Trichlorobenzene	ug/m3	ND	11/14/05	TPH	3.7		
1,1,1-Trichloroethane	ug/m3	7.1	11/14/05	TPH	2.7		
1,1,2-Trichloroethane	ug/m3	ND	11/14/05	TPH	2.7		
Trichloroethylene	ug/m3	24.	11/14/05	TPH	2.7		
Trichlorofluoromethane	ug/m3	40.	11/14/05	TPH	2.8		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	6.6	11/14/05	TPH	3.8		
1,2,4-Trimethylbenzene	ug/m3	ND	11/14/05	TPH	2.5		
1,3,5-Trimethylbenzene	ug/m3	ND	11/14/05	TPH	2.5		
Vinyl Acetate	ug/m3	ND	11/14/05	TPH	1.8		
Vinyl Chloride	ug/m3	ND	11/14/05	TPH	1.3		
m/p-Xylene	ug/m3	ND	11/14/05	TPH	4.3		
o-Xylene	ug/m3	ND	11/14/05	TPH	2.2		

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11/17/2005
Page 30 of 31

Purchase Order No.: 49565

Project Location: SOUTH MESA
Date Received: 11/9/2005
Field Sample #: VW-7B

LIMS-BAT #: LIMS-93123
Job Number: 4972-04-2034

Analytical Method:
EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Purchase Order No.: 49565

11/17/2005

Page 31 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

The following notes were attached to the reported analysis :

Sample ID: * 05B44115

Analysis: Hexachlorobutadiene

REPORTED RESULT IS ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION
DID NOT MEET REQUIRED CRITERIA.

Sample ID: * 05B44116

Analysis: Hexachlorobutadiene

REPORTED RESULT IS ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION
DID NOT MEET REQUIRED CRITERIA.

Sample ID: * 05B44117

Analysis: Hexachlorobutadiene

REPORTED RESULT IS ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION
DID NOT MEET REQUIRED CRITERIA.

Sample ID: * 05B44118

Analysis: Hexachlorobutadiene

REPORTED RESULT IS ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION
DID NOT MEET REQUIRED CRITERIA.

Sample ID: * 05B44119

Analysis: Hexachlorobutadiene

REPORTED RESULT IS ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION
DID NOT MEET REQUIRED CRITERIA.

** END OF REPORT **

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SPEC LIMIT = a client specified recommended or
regulatory level for comparison with data to
determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 11/17/2005

Lims Bat #: LIMS-93123

Page 1 of 8

QC Batch Number: BATCH-10100

Sample Id	Analysis	QC Analysis	Values	Units	Limits
05B44115	4-Bromofluorobenzene	Surrogate Recovery	94.2	%	70-130
05B44116	4-Bromofluorobenzene	Surrogate Recovery	95.8	%	70-130
05B44117	4-Bromofluorobenzene	Surrogate Recovery	96.4	%	70-130
05B44118	4-Bromofluorobenzene	Surrogate Recovery	99.1	%	70-130
05B44119	4-Bromofluorobenzene	Surrogate Recovery	96.9	%	70-130
BLANK-81072	Acetone	Blank	<1.2	ug/m3	
	Benzene	Blank	<1.6	ug/m3	
	Carbon Tetrachloride	Blank	<3.1	ug/m3	
	Chloroform	Blank	<2.4	ug/m3	
	1,2-Dichloroethane	Blank	<2.0	ug/m3	
	1,4-Dichlorobenzene	Blank	<3.0	ug/m3	
	Ethyl Acetate	Blank	<1.8	ug/m3	
	Ethylbenzene	Blank	<2.2	ug/m3	
	Hexane	Blank	<1.8	ug/m3	
	Isopropanol	Blank	<1.2	ug/m3	
	2-Butanone (MEK)	Blank	<1.5	ug/m3	
	4-Methyl-2-Pentanone (MIBK)	Blank	<2.0	ug/m3	
	Styrene	Blank	<2.1	ug/m3	
	Tetrachloroethylene	Blank	<3.4	ug/m3	
	Toluene	Blank	<1.9	ug/m3	
	1,1,1-Trichloroethane	Blank	<2.7	ug/m3	
	Trichloroethylene	Blank	<2.7	ug/m3	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<3.8	ug/m3	
	Trichlorofluoromethane	Blank	<2.8	ug/m3	
	o-Xylene	Blank	<2.2	ug/m3	
	m/p-Xylene	Blank	<4.3	ug/m3	
	1,2-Dichlorobenzene	Blank	<3.0	ug/m3	
	1,3-Dichlorobenzene	Blank	<3.0	ug/m3	
	1,1-Dichloroethane	Blank	<2.0	ug/m3	
	1,1-Dichloroethylene	Blank	<2.0	ug/m3	
	Ethanol	Blank	<0.9	ug/m3	
	4-Ethyl Toluene	Blank	<2.5	ug/m3	
	Methyl tert-Butyl Ether (MTBE)	Blank	<1.8	ug/m3	
	t-1,2-Dichloroethylene	Blank	<2.0	ug/m3	
	Vinyl Chloride	Blank	<1.3	ug/m3	
	Methylene Chloride	Blank	<1.7	ug/m3	
	Chlorobenzene	Blank	<2.3	ug/m3	
	Chloromethane	Blank	<1.0	ug/m3	

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 11/17/2005

Lims Bat #: LIMS-93123

Page 2 of 8

QC Batch Number: BATCH-10100

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-81072					
	Bromomethane	Blank	<1.9	ug/m3	
	Chloroethane	Blank	<1.3	ug/m3	
	cis-1,3-Dichloropropene	Blank	<2.3	ug/m3	
	trans-1,3-Dichloropropene	Blank	<2.3	ug/m3	
	Chlorodibromomethane	Blank	<4.3	ug/m3	
	1,1,2-Trichloroethane	Blank	<2.7	ug/m3	
	1,1,2,2-Tetrachloroethane	Blank	<3.4	ug/m3	
	Hexachlorobutadiene	Blank	<5.4	ug/m3	
	1,2,4-Trichlorobenzene	Blank	<3.7	ug/m3	
	1,2,4-Trimethylbenzene	Blank	<2.5	ug/m3	
	1,3,5-Trimethylbenzene	Blank	<2.5	ug/m3	
	Cyclohexane	Blank	<1.7	ug/m3	
	cis-1,2-Dichloroethylene	Blank	<2.0	ug/m3	
	1,2-Dichloropropane	Blank	<2.3	ug/m3	
	Dichlorodifluoromethane	Blank	<2.5	ug/m3	
	Benzyl Chloride	Blank	<2.6	ug/m3	
	Carbon Disulfide	Blank	<1.6	ug/m3	
	Vinyl Acetate	Blank	<1.8	ug/m3	
	2-Hexanone	Blank	<2.0	ug/m3	
	Bromodichloromethane	Blank	<3.4	ug/m3	
	1,2-Dibromoethane	Blank	<3.8	ug/m3	
	n-Heptane	Blank	<2.0	ug/m3	
	1,2-Dichlorotetrafluoroethane (114)	Blank	<3.5	ug/m3	
	Tetrahydrofuran	Blank	<1.5	ug/m3	
	Propene	Blank	<0.9	ug/m3	
	1,3-Butadiene	Blank	<1.1	ug/m3	
LFBLANK-46397					
Acetone		Lab Fort Blank Amt.	23.8	ug/m3	
		Lab Fort Blk. Found	24.9	ug/m3	
		Lab Fort Blk. % Rec.	104.8	%	50-150
Benzene		Lab Fort Blank Amt.	31.9	ug/m3	
		Lab Fort Blk. Found	33.4	ug/m3	
		Lab Fort Blk. % Rec.	104.7	%	70-130
Carbon Tetrachloride		Lab Fort Blank Amt.	62.9	ug/m3	
		Lab Fort Blk. Found	66.7	ug/m3	
		Lab Fort Blk. % Rec.	106.1	%	70-130
Chloroform		Lab Fort Blank Amt.	48.7	ug/m3	
		Lab Fort Blk. Found	53.0	ug/m3	
		Lab Fort Blk. % Rec.	108.8	%	70-130
1,2-Dichloroethane		Lab Fort Blank Amt.	40.5	ug/m3	
		Lab Fort Blk. Found	45.8	ug/m3	
		Lab Fort Blk. % Rec.	113.0	%	70-130
1,4-Dichlorobenzene		Lab Fort Blank Amt.	60.1	ug/m3	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 11/17/2005

Lims Bat #: LIMS-93123

Page 3 of 8

QC Batch Number: BATCH-10100

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-46397					
	1,4-Dichlorobenzene	Lab Fort Blk. Found	69.5	ug/m3	
		Lab Fort Blk. % Rec.	115.6	%	70-130
	Ethyl Acetate	Lab Fort Blank Amt.	36.0	ug/m3	
		Lab Fort Blk. Found	42.4	ug/m3	
		Lab Fort Blk. % Rec.	117.7	%	50-150
	Ethylbenzene	Lab Fort Blank Amt.	43.4	ug/m3	
		Lab Fort Blk. Found	47.8	ug/m3	
		Lab Fort Blk. % Rec.	110.3	%	70-130
	Hexane	Lab Fort Blank Amt.	35.2	ug/m3	
		Lab Fort Blk. Found	36.6	ug/m3	
		Lab Fort Blk. % Rec.	103.9	%	70-130
	Isopropanol	Lab Fort Blank Amt.	24.6	ug/m3	
		Lab Fort Blk. Found	27.1	ug/m3	
		Lab Fort Blk. % Rec.	110.2	%	50-150
	2-Butanone (MEK)	Lab Fort Blank Amt.	29.5	ug/m3	
		Lab Fort Blk. Found	34.2	ug/m3	
		Lab Fort Blk. % Rec.	115.9	%	70-130
	4-Methyl-2-Pentanone (MIBK)	Lab Fort Blank Amt.	41.0	ug/m3	
		Lab Fort Blk. Found	43.1	ug/m3	
		Lab Fort Blk. % Rec.	105.3	%	70-130
	Styrene	Lab Fort Blank Amt.	42.5	ug/m3	
		Lab Fort Blk. Found	49.0	ug/m3	
		Lab Fort Blk. % Rec.	115.2	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	67.8	ug/m3	
		Lab Fort Blk. Found	77.7	ug/m3	
		Lab Fort Blk. % Rec.	114.6	%	70-130
	Toluene	Lab Fort Blank Amt.	37.6	ug/m3	
		Lab Fort Blk. Found	41.7	ug/m3	
		Lab Fort Blk. % Rec.	110.9	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	54.6	ug/m3	
		Lab Fort Blk. Found	57.8	ug/m3	
		Lab Fort Blk. % Rec.	106.0	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	53.7	ug/m3	
		Lab Fort Blk. Found	55.4	ug/m3	
		Lab Fort Blk. % Rec.	103.0	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	76.6	ug/m3	
		Lab Fort Blk. Found	81.1	ug/m3	
		Lab Fort Blk. % Rec.	105.8	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	56.2	ug/m3	
		Lab Fort Blk. Found	63.2	ug/m3	
		Lab Fort Blk. % Rec.	112.4	%	70-130
	o-Xylene	Lab Fort Blank Amt.	43.4	ug/m3	
		Lab Fort Blk. Found	48.6	ug/m3	

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 11/17/2005

Lims Bat #: LIMS-93123

Page 4 of 8

QC Batch Number: BATCH-10100

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-46397	o-Xylene	Lab Fort Blk. % Rec.	111.8	%	70-130
		Lab Fort Blank Amt.	86.9	ug/m3	
	m/p-Xylene	Lab Fort Blk. Found	96.9	ug/m3	
		Lab Fort Blk. % Rec.	111.6	%	
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	60.1	ug/m3	70-130
		Lab Fort Blk. Found	66.2	ug/m3	
		Lab Fort Blk. % Rec.	110.1	%	70-130
		Lab Fort Blank Amt.	60.1	ug/m3	
	1,3-Dichlorobenzene	Lab Fort Blk. Found	68.6	ug/m3	
		Lab Fort Blk. % Rec.	114.1	%	
	1,1-Dichloroethane	Lab Fort Blank Amt.	40.5	ug/m3	70-130
		Lab Fort Blk. Found	43.5	ug/m3	
		Lab Fort Blk. % Rec.	107.5	%	70-130
		Lab Fort Blank Amt.	39.7	ug/m3	
	1,1-Dichloroethylene	Lab Fort Blk. Found	41.3	ug/m3	
		Lab Fort Blk. % Rec.	104.1	%	
	Ethanol	Lab Fort Blank Amt.	18.8	ug/m3	70-130
		Lab Fort Blk. Found	16.4	ug/m3	
		Lab Fort Blk. % Rec.	87.0	%	50-150
		Lab Fort Blank Amt.	49.2	ug/m3	
	4-Ethyl Toluene	Lab Fort Blk. Found	56.5	ug/m3	
		Lab Fort Blk. % Rec.	114.9	%	
	Methyl tert-Butyl Ether (MTBE)	Lab Fort Blank Amt.	36.1	ug/m3	50-150
		Lab Fort Blk. Found	41.5	ug/m3	
		Lab Fort Blk. % Rec.	115.1	%	70-130
		Lab Fort Blank Amt.	39.6	ug/m3	
	t-1,2-Dichloroethylene	Lab Fort Blk. Found	42.1	ug/m3	
		Lab Fort Blk. % Rec.	106.1	%	
	Vinyl Chloride	Lab Fort Blank Amt.	25.6	ug/m3	70-130
		Lab Fort Blk. Found	26.8	ug/m3	
		Lab Fort Blk. % Rec.	104.7	%	70-130
		Lab Fort Blank Amt.	34.7	ug/m3	
	Methylene Chloride	Lab Fort Blk. Found	33.9	ug/m3	
		Lab Fort Blk. % Rec.	97.6	%	
	Chlorobenzene	Lab Fort Blank Amt.	46.1	ug/m3	70-130
		Lab Fort Blk. Found	51.7	ug/m3	
		Lab Fort Blk. % Rec.	112.2	%	70-130
		Lab Fort Blank Amt.	20.7	ug/m3	
	Chloromethane	Lab Fort Blk. Found	21.4	ug/m3	
		Lab Fort Blk. % Rec.	103.5	%	
	Bromomethane	Lab Fort Blank Amt.	38.8	ug/m3	70-130
		Lab Fort Blk. Found	41.2	ug/m3	
		Lab Fort Blk. % Rec.	106.1	%	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 11/17/2005

Lims Bat #: LIMS-93123

Page 5 of 8

QC Batch Number: BATCH-10100

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-46397	Chloroethane	Lab Fort Blank Amt.	26.4	ug/m3	
		Lab Fort Blk. Found	27.3	ug/m3	
		Lab Fort Blk. % Rec.	103.6	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	45.4	ug/m3	
		Lab Fort Blk. Found	49.2	ug/m3	
		Lab Fort Blk. % Rec.	108.4	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	45.4	ug/m3	
		Lab Fort Blk. Found	49.4	ug/m3	
		Lab Fort Blk. % Rec.	108.9	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	85.2	ug/m3	
		Lab Fort Blk. Found	97.0	ug/m3	
		Lab Fort Blk. % Rec.	113.9	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	54.6	ug/m3	
		Lab Fort Blk. Found	58.7	ug/m3	
		Lab Fort Blk. % Rec.	107.5	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	68.7	ug/m3	
		Lab Fort Blk. Found	72.3	ug/m3	
		Lab Fort Blk. % Rec.	105.3	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	106.7	ug/m3	
		Lab Fort Blk. Found	69.0	ug/m3	
		Lab Fort Blk. % Rec.	64.7	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	74.2	ug/m3	
		Lab Fort Blk. Found	53.2	ug/m3	
		Lab Fort Blk. % Rec.	71.7	%	70-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	49.2	ug/m3	
		Lab Fort Blk. Found	55.7	ug/m3	
		Lab Fort Blk. % Rec.	113.4	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	49.2	ug/m3	
		Lab Fort Blk. Found	55.3	ug/m3	
		Lab Fort Blk. % Rec.	112.5	%	70-130
	Cyclohexane	Lab Fort Blank Amt.	34.4	ug/m3	
		Lab Fort Blk. Found	33.4	ug/m3	
		Lab Fort Blk. % Rec.	97.1	%	50-150
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	39.7	ug/m3	
		Lab Fort Blk. Found	43.5	ug/m3	
		Lab Fort Blk. % Rec.	109.7	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	46.2	ug/m3	
		Lab Fort Blk. Found	48.6	ug/m3	
		Lab Fort Blk. % Rec.	105.2	%	70-130
	Dichlorodifluoromethane	Lab Fort Blank Amt.	49.5	ug/m3	
		Lab Fort Blk. Found	54.0	ug/m3	
		Lab Fort Blk. % Rec.	109.1	%	70-130
	Benzyl Chloride	Lab Fort Blank Amt.	51.8	ug/m3	

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 11/17/2005

Lims Bat #: LIMS-93123

Page 6 of 8

QC Batch Number: BATCH-10100

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-46397					
Benzyl Chloride		Lab Fort Blk. Found	57.4	ug/m3	70-130
		Lab Fort Blk. % Rec.	110.8	%	
Carbon Disulfide		Lab Fort Blank Amt.	31.1	ug/m3	70-130
		Lab Fort Blk. Found	32.9	ug/m3	
		Lab Fort Blk. % Rec.	105.6	%	70-130
		Lab Fort Blank Amt.	35.2	ug/m3	
Vinyl Acetate		Lab Fort Blk. Found	40.3	ug/m3	70-130
		Lab Fort Blk. % Rec.	114.5	%	
2-Hexanone		Lab Fort Blank Amt.	41.0	ug/m3	50-150
		Lab Fort Blk. Found	37.4	ug/m3	
		Lab Fort Blk. % Rec.	91.2	%	70-130
		Lab Fort Blank Amt.	67.0	ug/m3	
Bromodichloromethane		Lab Fort Blk. Found	70.0	ug/m3	70-130
		Lab Fort Blk. % Rec.	104.4	%	
1,2-Dibromoethane		Lab Fort Blank Amt.	76.9	ug/m3	70-130
		Lab Fort Blk. Found	87.5	ug/m3	
		Lab Fort Blk. % Rec.	113.8	%	50-150
		Lab Fort Blank Amt.	41.0	ug/m3	
n-Heptane		Lab Fort Blk. Found	41.2	ug/m3	70-130
		Lab Fort Blk. % Rec.	100.5	%	
1,2-Dichlorotetrafluoroethane (114)		Lab Fort Blank Amt.	69.9	ug/m3	70-130
		Lab Fort Blk. Found	74.9	ug/m3	
		Lab Fort Blk. % Rec.	107.1	%	50-150
		Lab Fort Blank Amt.	29.5	ug/m3	
Tetrahydrofuran		Lab Fort Blk. Found	34.6	ug/m3	70-130
		Lab Fort Blk. % Rec.	117.2	%	
Propene		Lab Fort Blank Amt.	17.2	ug/m3	50-150
		Lab Fort Blk. Found	16.8	ug/m3	
		Lab Fort Blk. % Rec.	97.4	%	70-130
		Lab Fort Blank Amt.	22.1	ug/m3	
1,3-Butadiene		Lab Fort Blk. Found	23.2	ug/m3	70-130
		Lab Fort Blk. % Rec.	105.0	%	



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 11/17/2005

Lims Bat #: LIMS-93123

Page 7 of 8

NOTES:

QC Batch No. : BATCH-10100

Sample ID : BLANK-81072

Analysis : Hexachlorobutadiene

REPORTED RESULT IS ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION
DID NOT MEET REQUIRED CRITERIA.

QC Batch No. : BATCH-10100

Sample ID : LFBLANK-46397

Analysis : Hexachlorobutadiene

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. ANY REPORTED
RESULT FOR THIS COMPOUND IN THIS BATCH IS LIKELY TO BE BIASED ON THE LOW SIDE.



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REPORT DATE 11/17/2005

MACTEC ENGINEERING & CONSULTING - AZ
3630 EAST WIER AVENUE
PHOENIX, AZ 85040
ATTN: JIM CLARKE

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 49565

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-93123
JOB NUMBER: 4972-04-2034

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: SOUTH MESA

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST
EFF	05B44117	AIR	CT4419	to-15 ppbv
EFF	05B44117	AIR	CT4419	to-15 ug/m3
INF	05B44115	AIR	CT3441	to-15 ppbv
INF	05B44115	AIR	CT3441	to-15 ug/m3
INT	05B44116	AIR	CT1315	to-15 ppbv
INT	05B44116	AIR	CT1315	to-15 ug/m3
VW-5AB	05B44118	AIR	CT1220	to-15 ppbv
VW-5AB	05B44118	AIR	CT1220	to-15 ug/m3
VW-7B	05B44119	AIR	CT1658	to-15 ppbv
VW-7B	05B44119	AIR	CT1658	to-15 ug/m3

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations :

AIHA 100033	AIHA ELLAP (LEAD) 100033	
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	ARIZONA AZ0648
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	ARIZONA AZ0654 (AIR)

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Sondra S. Kocot 11/17/05

SIGNATURE

DATE

Tod Kopyscinski
Director of Operations

Sondra S. Kocot
Quality Control Coordinator

Edward Denson
Technical Director



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

JIM CLARKE

MACTEC ENGINEERING & CONSULTING - AZ

3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Purchase Order No.: 49565

11/17/2005

Page 1 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Field Sample #: EFF

Sample ID: 05B44117

Sampled: 11/8/2005

CT4419

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Acetone	PPBv	ND	11/14/05	TPH	0.5		
Benzene	PPBv	1.0	11/14/05	TPH	0.5		
Benzyl Chloride	PPBv	ND	11/14/05	TPH	0.5		
Bromodichloromethane	PPBv	ND	11/14/05	TPH	0.5		
Bromomethane	PPBv	ND	11/14/05	TPH	0.5		
1,3-Butadiene	PPBv	ND	11/14/05	TPH	0.5		
2-Butanone (MEK)	PPBv	25.	11/14/05	TPH	0.5		
Carbon Disulfide	PPBv	3.7	11/14/05	TPH	0.5		
Carbon Tetrachloride	PPBv	ND	11/14/05	TPH	0.5		
Chlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
Chlorodibromomethane	PPBv	ND	11/14/05	TPH	0.5		
Chloroethane	PPBv	ND	11/14/05	TPH	0.5		
Chloroform	PPBv	1.1	11/14/05	TPH	0.5		
Chloromethane	PPBv	0.8	11/14/05	TPH	0.5		
Cyclohexane	PPBv	4.9	11/14/05	TPH	0.5		
1,2-Dibromoethane	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
1,3-Dichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
1,4-Dichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
Dichlorodifluoromethane	PPBv	1.5	11/14/05	TPH	0.5		
1,1-Dichloroethane	PPBv	2.8	11/14/05	TPH	0.5		
1,2-Dichloroethane	PPBv	18.	11/14/05	TPH	0.5		
1,1-Dichloroethylene	PPBv	2.8	11/14/05	TPH	0.5		
cis-1,2-Dichloroethylene	PPBv	2.4	11/14/05	TPH	0.5		
t-1,2-Dichloroethylene	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dichloropropane	PPBv	ND	11/14/05	TPH	0.5		
cis-1,3-Dichloropropene	PPBv	ND	11/14/05	TPH	0.5		
trans-1,3-Dichloropropene	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	11/14/05	TPH	0.5		
Ethanol	PPBv	41.	11/14/05	TPH	0.5		

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11/17/2005
Page 2 of 31

Purchase Order No.: 49565

Project Location: SOUTH MESA
Date Received: 11/9/2005
Field Sample #: EFF

LIMS-BAT #: LIMS-93123
Job Number: 4972-04-2034

Sample ID : 05B44117

Sampled : 11/8/2005

CT4419

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	PPBv	ND	11/14/05	TPH	0.5		
Ethylbenzene	PPBv	0.8	11/14/05	TPH	0.5		
4-Ethyl Toluene	PPBv	ND	11/14/05	TPH	0.5		
n-Heptane	PPBv	1.7	11/14/05	TPH	0.5		
Hexachlorobutadiene	PPBv	ND	11/14/05	TPH	0.5		
Hexane	PPBv	5.5	11/14/05	TPH	0.5		
2-Hexanone	PPBv	ND	11/14/05	TPH	0.5		
Isopropanol	PPBv	31.	11/14/05	TPH	0.5		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	11/14/05	TPH	0.5		
Methylene Chloride	PPBv	10.	11/14/05	TPH	0.5		
4-Methyl-2-Pentanone (MIBK)	PPBv	3.6	11/14/05	TPH	0.5		
Propene	PPBv	ND	11/14/05	TPH	0.5		
Styrene	PPBv	ND	11/14/05	TPH	0.5		
1,1,2,2-Tetrachloroethane	PPBv	ND	11/14/05	TPH	0.5		
Tetrachloroethylene	PPBv	0.7	11/14/05	TPH	0.5		
Tetrahydrofuran	PPBv	9.3	11/14/05	TPH	0.5		
Toluene	PPBv	27.	11/14/05	TPH	0.5		
1,2,4-Trichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
1,1,1-Trichloroethane	PPBv	ND	11/14/05	TPH	0.5		
1,1,2-Trichloroethane	PPBv	ND	11/14/05	TPH	0.5		
Trichloroethylene	PPBv	200.	11/14/05	TPH	0.5		
Trichlorofluoromethane (Freon 11)	PPBv	1.8	11/14/05	TPH	0.5		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	11/14/05	TPH	0.5		
1,2,4-Trimethylbenzene	PPBv	ND	11/14/05	TPH	0.5		
1,3,5-Trimethylbenzene	PPBv	ND	11/14/05	TPH	0.5		
Vinyl Acetate	PPBv	ND	11/14/05	TPH	0.5		
Vinyl Chloride	PPBv	ND	11/14/05	TPH	0.5		
m/p-Xylene	PPBv	ND	11/14/05	TPH	1.0		
o-Xylene	PPBv	ND	11/14/05	TPH	0.5		

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11/17/2005

Page 3 of 31

Purchase Order No.: 49565

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: EFF

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

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Purchase Order No.: 49565

11/17/2005
Page 4 of 31

Project Location: SOUTH MESA
Date Received: 11/9/2005
Field Sample #: INF

LIMS-BAT #: LIMS-93123
Job Number: 4972-04-2034

Sample ID: 05B44115

Sampled: 11/8/2005
CT3441

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	PPBv	9.5	11/14/05	TPH	0.5		
Benzene	PPBv	4.8	11/14/05	TPH	0.5		
Benzyl Chloride	PPBv	ND	11/14/05	TPH	0.5		
Bromodichloromethane	PPBv	0.6	11/14/05	TPH	0.5		
Bromomethane	PPBv	ND	11/14/05	TPH	0.5		
1,3-Butadiene	PPBv	ND	11/14/05	TPH	0.5		
2-Butanone (MEK)	PPBv	1.3	11/14/05	TPH	0.5		
Carbon Disulfide	PPBv	ND	11/14/05	TPH	0.5		
Carbon Tetrachloride	PPBv	ND	11/14/05	TPH	0.5		
Chlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
Chlorodibromomethane	PPBv	ND	11/14/05	TPH	0.5		
Chloroethane	PPBv	ND	11/14/05	TPH	0.5		
Chloroform	PPBv	1.9	11/14/05	TPH	0.5		
Chloromethane	PPBv	0.7	11/14/05	TPH	0.5		
Cyclohexane	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dibromoethane	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
1,3-Dichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
1,4-Dichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
Dichlorodifluoromethane	PPBv	1.2	11/14/05	TPH	0.5		
1,1-Dichloroethane	PPBv	5.0	11/14/05	TPH	0.5		
1,2-Dichloroethane	PPBv	ND	11/14/05	TPH	0.5		
1,1-Dichloroethylene	PPBv	3.6	11/14/05	TPH	0.5		
cis-1,2-Dichloroethylene	PPBv	2.9	11/14/05	TPH	0.5		
t-1,2-Dichloroethylene	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dichloropropane	PPBv	1.3	11/14/05	TPH	0.5		
cis-1,3-Dichloropropene	PPBv	ND	11/14/05	TPH	0.5		
trans-1,3-Dichloropropene	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	11/14/05	TPH	0.5		
Ethanol	PPBv	6.4	11/14/05	TPH	0.5		

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Purchase Order No.: 49565

11/17/2005

Page 5 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: INF

Sample ID: 05B44115

Sampled: 11/8/2005

CT3441

Sample Matrix: AIR

Sample Medium: SUMMA

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	PPBv	ND	11/14/05	TPH	0.5		
Ethylbenzene	PPBv	ND	11/14/05	TPH	0.5		
4-Ethyl Toluene	PPBv	ND	11/14/05	TPH	0.5		
n-Heptane	PPBv	ND	11/14/05	TPH	0.5		
Hexachlorobutadiene	PPBv	ND	11/14/05	TPH	0.5		
Hexane	PPBv	ND	11/14/05	TPH	0.5		
2-Hexanone	PPBv	ND	11/14/05	TPH	0.5		
Isopropanol	PPBv	ND	11/14/05	TPH	0.5		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	11/14/05	TPH	0.5		
Methylene Chloride	PPBv	1.2	11/14/05	TPH	0.5		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	11/14/05	TPH	0.5		
Propene	PPBv	ND	11/14/05	TPH	0.5		
Styrene	PPBv	ND	11/14/05	TPH	0.5		
1,1,2,2-Tetrachloroethane	PPBv	ND	11/14/05	TPH	0.5		
Tetrachloroethylene	PPBv	28.	11/14/05	TPH	0.5		
Tetrahydrofuran	PPBv	ND	11/14/05	TPH	0.5		
Toluene	PPBv	3.1	11/14/05	TPH	0.5		
1,2,4-Trichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
1,1,1-Trichloroethane	PPBv	ND	11/14/05	TPH	0.5		
1,1,2-Trichloroethane	PPBv	ND	11/14/05	TPH	0.5		
Trichloroethylene	PPBv	0.8	11/14/05	TPH	0.5		
Trichlorofluoromethane (Freon 11)	PPBv	1.2	11/14/05	TPH	0.5		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	11/14/05	TPH	0.5		
1,2,4-Trimethylbenzene	PPBv	ND	11/14/05	TPH	0.5		
1,3,5-Trimethylbenzene	PPBv	ND	11/14/05	TPH	0.5		
Vinyl Acetate	PPBv	ND	11/14/05	TPH	0.5		
Vinyl Chloride	PPBv	ND	11/14/05	TPH	0.5		
m/p-Xylene	PPBv	ND	11/14/05	TPH	1.0		
o-Xylene	PPBv	ND	11/14/05	TPH	0.5		

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Purchase Order No.: 49565

11/17/2005

Page 6 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: INF

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Purchase Order No.: 49565

11/17/2005
Page 7 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: INT

Sample ID: 05B44116

Sample Matrix: AIR

Sampled: 11/8/2005
CT1315

Sample Medium: SUMMA

LIMS-BAT #: LIMS-93123
Job Number: 4972-04-2034

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Acetone	PPBv	ND	11/14/05	TPH	0.5		
Benzene	PPBv	2.8	11/14/05	TPH	0.5		
Benzyl Chloride	PPBv	ND	11/14/05	TPH	0.5		
Bromodichloromethane	PPBv	ND	11/14/05	TPH	0.5		
Bromomethane	PPBv	ND	11/14/05	TPH	0.5		
1,3-Butadiene	PPBv	ND	11/14/05	TPH	0.5		
2-Butanone (MEK)	PPBv	42.	11/14/05	TPH	0.5		
Carbon Disulfide	PPBv	1.4	11/14/05	TPH	0.5		
Carbon Tetrachloride	PPBv	ND	11/14/05	TPH	0.5		
Chlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
Chlorodibromomethane	PPBv	ND	11/14/05	TPH	0.5		
Chloroethane	PPBv	ND	11/14/05	TPH	0.5		
Chloroform	PPBv	2.2	11/14/05	TPH	0.5		
Chloromethane	PPBv	0.7	11/14/05	TPH	0.5		
Cyclohexane	PPBv	7.3	11/14/05	TPH	0.5		
1,2-Dibromoethane	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
1,3-Dichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
1,4-Dichlorobenzene	PPBv	2.4	11/14/05	TPH	0.5		
Dichlorodifluoromethane	PPBv	1.0	11/14/05	TPH	0.5		
1,1-Dichloroethane	PPBv	3.7	11/14/05	TPH	0.5		
1,2-Dichloroethane	PPBv	19.	11/14/05	TPH	0.5		
1,1-Dichloroethylene	PPBv	2.5	11/14/05	TPH	0.5		
cis-1,2-Dichloroethylene	PPBv	2.5	11/14/05	TPH	0.5		
t-1,2-Dichloroethylene	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dichloropropane	PPBv	1.0	11/14/05	TPH	0.5		
cis-1,3-Dichloropropene	PPBv	ND	11/14/05	TPH	0.5		
trans-1,3-Dichloropropene	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	11/14/05	TPH	0.5		
Ethanol	PPBv	51.	11/14/05	TPH	0.5		

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Purchase Order No.: 49565

11/17/2005

Page 8 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: INT

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Sample ID : 05B44116

Sampled : 11/8/2005

CT1315

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	PPBv	ND	11/14/05	TPH	0.5		
Ethylbenzene	PPBv	2.2	11/14/05	TPH	0.5		
4-Ethyl Toluene	PPBv	0.8	11/14/05	TPH	0.5		
n-Heptane	PPBv	2.5	11/14/05	TPH	0.5		
Hexachlorobutadiene	PPBv	ND	11/14/05	TPH	0.5		
Hexane	PPBv	7.1	11/14/05	TPH	0.5		
2-Hexanone	PPBv	ND	11/14/05	TPH	0.5		
Isopropanol	PPBv	46.	11/14/05	TPH	0.5		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	11/14/05	TPH	0.5		
Methylene Chloride	PPBv	13.	11/14/05	TPH	0.5		
4-Methyl-2-Pentanone (MIBK)	PPBv	8.9	11/14/05	TPH	0.5		
Propene	PPBv	ND	11/14/05	TPH	0.5		
Styrene	PPBv	1.3	11/14/05	TPH	0.5		
1,1,2,2-Tetrachloroethane	PPBv	ND	11/14/05	TPH	0.5		
Tetrachloroethylene	PPBv	75.	11/14/05	TPH	0.5		
Tetrahydrofuran	PPBv	12.	11/14/05	TPH	0.5		
Toluene	PPBv	56.	11/14/05	TPH	0.5		
1,2,4-Trichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
1,1,1-Trichloroethane	PPBv	ND	11/14/05	TPH	0.5		
1,1,2-Trichloroethane	PPBv	ND	11/14/05	TPH	0.5		
Trichloroethylene	PPBv	320.	11/14/05	TPH	0.5		
Trichlorofluoromethane (Freon 11)	PPBv	1.0	11/14/05	TPH	0.5		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	11/14/05	TPH	0.5		
1,2,4-Trimethylbenzene	PPBv	2.2	11/14/05	TPH	0.5		
1,3,5-Trimethylbenzene	PPBv	0.8	11/14/05	TPH	0.5		
Vinyl Acetate	PPBv	ND	11/14/05	TPH	0.5		
Vinyl Chloride	PPBv	ND	11/14/05	TPH	0.5		
m/p-Xylene	PPBv	6.3	11/14/05	TPH	1.0		
o-Xylene	PPBv	2.1	11/14/05	TPH	0.5		

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Purchase Order No.: 49565

11/17/2005

Page 9 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: INT

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Purchase Order No.: 49565

11/17/2005

Page 10 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: VW-5AB

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Sample ID: 05B44118

Sampled: 11/8/2005

CT1220

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	PPBv	14.	11/14/05	TPH	0.5		
Benzene	PPBv	ND	11/14/05	TPH	0.5		
Benzyl Chloride	PPBv	ND	11/14/05	TPH	0.5		
Bromodichloromethane	PPBv	7.9	11/14/05	TPH	0.5		
Bromomethane	PPBv	ND	11/14/05	TPH	0.5		
1,3-Butadiene	PPBv	ND	11/14/05	TPH	0.5		
2-Butanone (MEK)	PPBv	5.7	11/14/05	TPH	0.5		
Carbon Disulfide	PPBv	ND	11/14/05	TPH	0.5		
Carbon Tetrachloride	PPBv	ND	11/14/05	TPH	0.5		
Chlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
Chlorodibromomethane	PPBv	0.6	11/14/05	TPH	0.5		
Chloroethane	PPBv	ND	11/14/05	TPH	0.5		
Chloroform	PPBv	11.	11/14/05	TPH	0.5		
Chloromethane	PPBv	ND	11/14/05	TPH	0.5		
Cyclohexane	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dibromoethane	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
1,3-Dichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
1,4-Dichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
Dichlorodifluoromethane	PPBv	2.3	11/14/05	TPH	0.5		
1,1-Dichloroethane	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dichloroethane	PPBv	0.6	11/14/05	TPH	0.5		
1,1-Dichloroethylene	PPBv	ND	11/14/05	TPH	0.5		
cis-1,2-Dichloroethylene	PPBv	47.	11/14/05	TPH	0.5		
trans-1,2-Dichloroethylene	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dichloropropane	PPBv	ND	11/14/05	TPH	0.5		
cis-1,3-Dichloropropene	PPBv	ND	11/14/05	TPH	0.5		
trans-1,3-Dichloropropene	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	11/14/05	TPH	0.5		
Ethanol	PPBv	ND	11/14/05	TPH	0.5		

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PHOENIX, AZ 85040

11/17/2005
Page 11 of 31

Purchase Order No.: 49565

Project Location: SOUTH MESA
Date Received: 11/9/2005
Field Sample #: VW-5AB

LIMS-BAT #: LIMS-93123
Job Number: 4972-04-2034

Sample ID : 05B44118

Sampled : 11/8/2005
CT1220

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	PPBv	ND	11/14/05	TPH	0.5		
Ethylbenzene	PPBv	ND	11/14/05	TPH	0.5		
4-Ethyl Toluene	PPBv	ND	11/14/05	TPH	0.5		
n-Heptane	PPBv	ND	11/14/05	TPH	0.5		
Hexachlorobutadiene	PPBv	ND	11/14/05	TPH	0.5		
Hexane	PPBv	ND	11/14/05	TPH	0.5		
2-Hexanone	PPBv	ND	11/14/05	TPH	0.5		
Isopropanol	PPBv	ND	11/14/05	TPH	0.5		
Methyl tert-Butyl Ether (MTBE)	PPBv	0.7	11/14/05	TPH	0.5		
Methylene Chloride	PPBv	11.	11/14/05	TPH	0.5		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	11/14/05	TPH	0.5		
Propene	PPBv	ND	11/14/05	TPH	0.5		
Styrene	PPBv	ND	11/14/05	TPH	0.5		
1,1,2,2-Tetrachloroethane	PPBv	ND	11/14/05	TPH	0.5		
Tetrachloroethylene	PPBv	100.	11/14/05	TPH	0.5		
Tetrahydrofuran	PPBv	10.	11/14/05	TPH	0.5		
Toluene	PPBv	1.9	11/14/05	TPH	0.5		
1,2,4-Trichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
1,1,1-Trichloroethane	PPBv	ND	11/14/05	TPH	0.5		
1,1,2-Trichloroethane	PPBv	ND	11/14/05	TPH	0.5		
Trichloroethylene	PPBv	9.2	11/14/05	TPH	0.5		
Trichlorofluoromethane (Freon 11)	PPBv	5.9	11/14/05	TPH	0.5		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	11/14/05	TPH	0.5		
1,2,4-Trimethylbenzene	PPBv	ND	11/14/05	TPH	0.5		
1,3,5-Trimethylbenzene	PPBv	ND	11/14/05	TPH	0.5		
Vinyl Acetate	PPBv	ND	11/14/05	TPH	0.5		
Vinyl Chloride	PPBv	ND	11/14/05	TPH	0.5		
m/p-Xylene	PPBv	ND	11/14/05	TPH	1.0		
o-Xylene	PPBv	ND	11/14/05	TPH	0.5		

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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Purchase Order No.: 49565

11/17/2005

Page 12 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: VW-5AB

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Purchase Order No.: 49565

11/17/2005
Page 13 of 31

Project Location: SOUTH MESA

LIMS-BAT #: LIMS-93123

Date Received: 11/9/2005

Job Number: 4972-04-2034

Field Sample #: VW-7B

Sample ID: 05B44119

Sampled: 11/8/2005

CT1658

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	PPBv	ND	11/14/05	TPH	0.5		
Benzene	PPBv	2.1	11/14/05	TPH	0.5		
Benzyl Chloride	PPBv	ND	11/14/05	TPH	0.5		
Bromodichloromethane	PPBv	4.5	11/14/05	TPH	0.5		
Bromomethane	PPBv	ND	11/14/05	TPH	0.5		
1,3-Butadiene	PPBv	ND	11/14/05	TPH	0.5		
2-Butanone (MEK)	PPBv	ND	11/14/05	TPH	0.5		
Carbon Disulfide	PPBv	ND	11/14/05	TPH	0.5		
Carbon Tetrachloride	PPBv	ND	11/14/05	TPH	0.5		
Chlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
Chlorodibromomethane	PPBv	0.5	11/14/05	TPH	0.5		
Chloroethane	PPBv	ND	11/14/05	TPH	0.5		
Chloroform	PPBv	14.	11/14/05	TPH	0.5		
Chloromethane	PPBv	ND	11/14/05	TPH	0.5		
Cyclohexane	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dibromoethane	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
1,3-Dichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
1,4-Dichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
Dichlorodifluoromethane	PPBv	5.1	11/14/05	TPH	0.5		
1,1-Dichloroethane	PPBv	49.	11/14/05	TPH	0.5		
1,2-Dichloroethane	PPBv	ND	11/14/05	TPH	0.5		
1,1-Dichloroethylene	PPBv	33.	11/14/05	TPH	0.5		
cis-1,2-Dichloroethylene	PPBv	13.	11/14/05	TPH	0.5		
t-1,2-Dichloroethylene	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dichloropropane	PPBv	18.	11/14/05	TPH	0.5		
cis-1,3-Dichloropropene	PPBv	ND	11/14/05	TPH	0.5		
trans-1,3-Dichloropropene	PPBv	ND	11/14/05	TPH	0.5		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	11/14/05	TPH	0.5		
Ethanol	PPBv	ND	11/14/05	TPH	0.5		

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11/17/2005

Page 14 of 31

Purchase Order No.: 49565

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: VW-7B

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Sample ID : 05B44119

Sampled : 11/8/2005

CT1658

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	PPBv	ND	11/14/05	TPH	0.5		
Ethylbenzene	PPBv	ND	11/14/05	TPH	0.5		
4-Ethyl Toluene	PPBv	ND	11/14/05	TPH	0.5		
n-Heptane	PPBv	ND	11/14/05	TPH	0.5		
Hexachlorobutadiene	PPBv	ND	11/14/05	TPH	0.5		
Hexane	PPBv	ND	11/14/05	TPH	0.5		
2-Hexanone	PPBv	ND	11/14/05	TPH	0.5		
Isopropanol	PPBv	ND	11/14/05	TPH	0.5		
Methyl tert-Butyl Ether (MTBE)	PPBv	0.9	11/14/05	TPH	0.5		
Methylene Chloride	PPBv	ND	11/14/05	TPH	0.5		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	11/14/05	TPH	0.5		
Propene	PPBv	ND	11/14/05	TPH	0.5		
Styrene	PPBv	ND	11/14/05	TPH	0.5		
1,1,2,2-Tetrachloroethane	PPBv	ND	11/14/05	TPH	0.5		
Tetrachloroethylene	PPBv	960.	11/14/05	TPH	0.5		
Tetrahydrofuran	PPBv	ND	11/14/05	TPH	0.5		
Toluene	PPBv	1.6	11/14/05	TPH	0.5		
1,2,4-Trichlorobenzene	PPBv	ND	11/14/05	TPH	0.5		
1,1,1-Trichloroethane	PPBv	1.3	11/14/05	TPH	0.5		
1,1,2-Trichloroethane	PPBv	ND	11/14/05	TPH	0.5		
Trichloroethylene	PPBv	4.5	11/14/05	TPH	0.5		
Trichlorofluoromethane (Freon 11)	PPBv	7.1	11/14/05	TPH	0.5		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.9	11/14/05	TPH	0.5		
1,2,4-Trimethylbenzene	PPBv	ND	11/14/05	TPH	0.5		
1,3,5-Trimethylbenzene	PPBv	ND	11/14/05	TPH	0.5		
Vinyl Acetate	PPBv	ND	11/14/05	TPH	0.5		
Vinyl Chloride	PPBv	ND	11/14/05	TPH	0.5		
m/p-Xylene	PPBv	ND	11/14/05	TPH	1.0		
o-Xylene	PPBv	ND	11/14/05	TPH	0.5		

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Purchase Order No.: 49565

11/17/2005

Page 15 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: VW-7B

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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11/17/2005
 Page 16 of 31

Purchase Order No.: 49565

Project Location: SOUTH MESA
 Date Received: 11/9/2005
 Field Sample #: EFF

LIMS-BAT #: LIMS-93123
 Job Number: 4972-04-2034

Sample ID : *05B44117

Sampled : 11/8/2005
 CT4419

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	ND	11/14/05	TPH	1.2		
Benzene	ug/m3	3.1	11/14/05	TPH	1.6		
Benzyl Chloride	ug/m3	ND	11/14/05	TPH	2.6		
Bromodichloromethane	ug/m3	ND	11/14/05	TPH	3.4		
Bromomethane	ug/m3	ND	11/14/05	TPH	1.9		
1,3-Butadiene	ug/m3	ND	11/14/05	TPH	1.1		
2-Butanone (MEK)	ug/m3	74.	11/14/05	TPH	1.5		
Carbon Disulfide	ug/m3	11.	11/14/05	TPH	1.6		
Carbon Tetrachloride	ug/m3	ND	11/14/05	TPH	3.1		
Chlorobenzene	ug/m3	ND	11/14/05	TPH	2.3		
Chlorodibromomethane	ug/m3	ND	11/14/05	TPH	4.3		
Chloroethane	ug/m3	ND	11/14/05	TPH	1.3		
Chloroform	ug/m3	5.5	11/14/05	TPH	2.4		
Chloromethane	ug/m3	1.7	11/14/05	TPH	1.0		
Cyclohexane	ug/m3	17.	11/14/05	TPH	1.7		
1,2-Dibromoethane	ug/m3	ND	11/14/05	TPH	3.8		
1,2-Dichlorobenzene	ug/m3	ND	11/14/05	TPH	3.0		
1,3-Dichlorobenzene	ug/m3	ND	11/14/05	TPH	3.0		
1,4-Dichlorobenzene	ug/m3	ND	11/14/05	TPH	3.0		
Dichlorodifluoromethane	ug/m3	7.4	11/14/05	TPH	2.5		
1,1-Dichloroethane	ug/m3	11.	11/14/05	TPH	2.0		
1,2-Dichloroethane	ug/m3	72.	11/14/05	TPH	2.0		
1,1-Dichloroethylene	ug/m3	11.	11/14/05	TPH	2.0		
cis-1,2-Dichloroethylene	ug/m3	9.5	11/14/05	TPH	2.0		
t-1,2-Dichloroethylene	ug/m3	ND	11/14/05	TPH	2.0		
1,2-Dichloropropane	ug/m3	ND	11/14/05	TPH	2.3		
cis-1,3-Dichloropropene	ug/m3	ND	11/14/05	TPH	2.3		
trans-1,3-Dichloropropene	ug/m3	ND	11/14/05	TPH	2.3		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	11/14/05	TPH	3.5		
Ethanol	ug/m3	77.	11/14/05	TPH	0.9		

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11/17/2005
Page 17 of 31

Purchase Order No.: 49565

Project Location: SOUTH MESA
Date Received: 11/9/2005
Field Sample #: EFF

LIMS-BAT #: LIMS-93123
Job Number: 4972-04-2034

Sample ID : *05B44117

Sampled : 11/8/2005

CT4419

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Ethyl Acetate	ug/m3	ND	11/14/05	TPH	1.8			
Ethylbenzene	ug/m3	3.3	11/14/05	TPH	2.2			
4-Ethyl Toluene	ug/m3	ND	11/14/05	TPH	2.5			
n-Heptane	ug/m3	6.8	11/14/05	TPH	2.0			
Hexachlorobutadiene	ug/m3	ND	11/14/05	TPH	5.4			
Hexane	ug/m3	19.	11/14/05	TPH	1.8			
2-Hexanone	ug/m3	ND	11/14/05	TPH	2.0			
Isopropanol	ug/m3	76.	11/14/05	TPH	1.2			
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	11/14/05	TPH	1.8			
Methylene Chloride	ug/m3	36.	11/14/05	TPH	1.7			
4-Methyl-2-Pentanone (MIBK)	ug/m3	15.	11/14/05	TPH	2.0			
Propene	ug/m3	ND	11/14/05	TPH	0.9			
Styrene	ug/m3	ND	11/14/05	TPH	2.1			
1,1,2,2-Tetrachloroethane	ug/m3	ND	11/14/05	TPH	3.4			
Tetrachloroethylene	ug/m3	4.7	11/14/05	TPH	3.4			
Tetrahydrofuran	ug/m3	27.	11/14/05	TPH	1.5			
Toluene	ug/m3	100.	11/14/05	TPH	1.9			
1,2,4-Trichlorobenzene	ug/m3	ND	11/14/05	TPH	3.7			
1,1,1-Trichloroethane	ug/m3	ND	11/14/05	TPH	2.7			
1,1,2-Trichloroethane	ug/m3	ND	11/14/05	TPH	2.7			
Trichloroethylene	ug/m3	1100.	11/14/05	TPH	2.7			
Trichlorofluoromethane	ug/m3	10.	11/14/05	TPH	2.8			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	11/14/05	TPH	3.8			
1,2,4-Trimethylbenzene	ug/m3	ND	11/14/05	TPH	2.5			
1,3,5-Trimethylbenzene	ug/m3	ND	11/14/05	TPH	2.5			
Vinyl Acetate	ug/m3	ND	11/14/05	TPH	1.8			
Vinyl Chloride	ug/m3	ND	11/14/05	TPH	1.3			
m/p-Xylene	ug/m3	ND	11/14/05	TPH	4.3			
o-Xylene	ug/m3	ND	11/14/05	TPH	2.2			

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11/17/2005

Page 18 of 31

Purchase Order No.: 49565

Project Location: SOUTH MESA

Date Received: 11/9/2005

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Field Sample #: EFF

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Purchase Order No.: 49565

11/17/2005

Page 19 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: INF

Sample ID: *05B44115

Sampled: 11/8/2005

CT3441

Sample Matrix: AIR

Sample Medium: SUMMA

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	ug/m3	23.	11/14/05	TPH	1.2			
Benzene	ug/m3	15.	11/14/05	TPH	1.6			
Benzyl Chloride	ug/m3	ND	11/14/05	TPH	2.6			
Bromodichloromethane	ug/m3	4.1	11/14/05	TPH	3.4			
Bromomethane	ug/m3	ND	11/14/05	TPH	1.9			
1,3-Butadiene	ug/m3	ND	11/14/05	TPH	1.1			
2-Butanone (MEK)	ug/m3	4.0	11/14/05	TPH	1.5			
Carbon Disulfide	ug/m3	ND	11/14/05	TPH	1.6			
Carbon Tetrachloride	ug/m3	ND	11/14/05	TPH	3.1			
Chlorobenzene	ug/m3	ND	11/14/05	TPH	2.3			
Chlorodibromomethane	ug/m3	ND	11/14/05	TPH	4.3			
Chloroethane	ug/m3	ND	11/14/05	TPH	1.3			
Chloroform	ug/m3	9.1	11/14/05	TPH	2.4			
Chloromethane	ug/m3	1.4	11/14/05	TPH	1.0			
Cyclohexane	ug/m3	ND	11/14/05	TPH	1.7			
1,2-Dibromoethane	ug/m3	ND	11/14/05	TPH	3.8			
1,2-Dichlorobenzene	ug/m3	ND	11/14/05	TPH	3.0			
1,3-Dichlorobenzene	ug/m3	ND	11/14/05	TPH	3.0			
1,4-Dichlorobenzene	ug/m3	ND	11/14/05	TPH	3.0			
Dichlorodifluoromethane	ug/m3	6.2	11/14/05	TPH	2.5			
1,1-Dichloroethane	ug/m3	20.	11/14/05	TPH	2.0			
1,2-Dichloroethane	ug/m3	ND	11/14/05	TPH	2.0			
1,1-Dichloroethylene	ug/m3	14.	11/14/05	TPH	2.0			
cis-1,2-Dichloroethylene	ug/m3	11.	11/14/05	TPH	2.0			
t-1,2-Dichloroethylene	ug/m3	ND	11/14/05	TPH	2.0			
1,2-Dichloropropane	ug/m3	6.0	11/14/05	TPH	2.3			
cis-1,3-Dichloropropene	ug/m3	ND	11/14/05	TPH	2.3			
trans-1,3-Dichloropropene	ug/m3	ND	11/14/05	TPH	2.3			
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	11/14/05	TPH	3.5			
Ethanol	ug/m3	12.	11/14/05	TPH	0.9			

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* = See end of report for comments and notes applying to this sample



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Purchase Order No.: 49565

11/17/2005

Page 20 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: INF

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Sample ID: *05B44115

Sampled: 11/8/2005

CT3441

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	11/14/05	TPH	1.8		
Ethylbenzene	ug/m3	ND	11/14/05	TPH	2.2		
4-Ethyl Toluene	ug/m3	ND	11/14/05	TPH	2.5		
n-Heptane	ug/m3	ND	11/14/05	TPH	2.0		
Hexachlorobutadiene	ug/m3	ND	11/14/05	TPH	5.4		
Hexane	ug/m3	ND	11/14/05	TPH	1.8		
2-Hexanone	ug/m3	ND	11/14/05	TPH	2.0		
Isopropanol	ug/m3	ND	11/14/05	TPH	1.2		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	11/14/05	TPH	1.8		
Methylene Chloride	ug/m3	4.1	11/14/05	TPH	1.7		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	11/14/05	TPH	2.0		
Propene	ug/m3	ND	11/14/05	TPH	0.9		
Styrene	ug/m3	ND	11/14/05	TPH	2.1		
1,1,2,2-Tetrachloroethane	ug/m3	ND	11/14/05	TPH	3.4		
Tetrachloroethylene	ug/m3	190.	11/14/05	TPH	3.4		
Tetrahydrofuran	ug/m3	ND	11/14/05	TPH	1.5		
Toluene	ug/m3	12.	11/14/05	TPH	1.9		
1,2,4-Trichlorobenzene	ug/m3	ND	11/14/05	TPH	3.7		
1,1,1-Trichloroethane	ug/m3	ND	11/14/05	TPH	2.7		
1,1,2-Trichloroethane	ug/m3	ND	11/14/05	TPH	2.7		
Trichloroethylene	ug/m3	4.4	11/14/05	TPH	2.7		
Trichlorofluoromethane	ug/m3	6.9	11/14/05	TPH	2.8		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	11/14/05	TPH	3.8		
1,2,4-Trimethylbenzene	ug/m3	ND	11/14/05	TPH	2.5		
1,3,5-Trimethylbenzene	ug/m3	ND	11/14/05	TPH	2.5		
Vinyl Acetate	ug/m3	ND	11/14/05	TPH	1.8		
Vinyl Chloride	ug/m3	ND	11/14/05	TPH	1.3		
m/p-Xylene	ug/m3	ND	11/14/05	TPH	4.3		
o-Xylene	ug/m3	ND	11/14/05	TPH	2.2		

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11/17/2005
Page 21 of 31

Purchase Order No.: 49565

Project Location: SOUTH MESA
Date Received: 11/9/2005
Field Sample #: INF

LIMS-BAT #: LIMS-93123
Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Purchase Order No.: 49565

11/17/2005

Page 22 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: INT

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Sample ID: *05B44116

Sampled: 11/8/2005

CT1315

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	ND	11/14/05	TPH	1.2		
Benzene	ug/m3	9.0	11/14/05	TPH	1.6		
Benzyl Chloride	ug/m3	ND	11/14/05	TPH	2.6		
Bromodichloromethane	ug/m3	ND	11/14/05	TPH	3.4		
Bromomethane	ug/m3	ND	11/14/05	TPH	1.9		
1,3-Butadiene	ug/m3	ND	11/14/05	TPH	1.1		
2-Butanone (MEK)	ug/m3	120.	11/14/05	TPH	1.5		
Carbon Disulfide	ug/m3	4.4	11/14/05	TPH	1.6		
Carbon Tetrachloride	ug/m3	ND	11/14/05	TPH	3.1		
Chlorobenzene	ug/m3	ND	11/14/05	TPH	2.3		
Chlorodibromomethane	ug/m3	ND	11/14/05	TPH	4.3		
Chloroethane	ug/m3	ND	11/14/05	TPH	1.3		
Chloroform	ug/m3	11.	11/14/05	TPH	2.4		
Chloromethane	ug/m3	1.5	11/14/05	TPH	1.0		
Cyclohexane	ug/m3	25.	11/14/05	TPH	1.7		
1,2-Dibromoethane	ug/m3	ND	11/14/05	TPH	3.8		
1,2-Dichlorobenzene	ug/m3	ND	11/14/05	TPH	3.0		
1,3-Dichlorobenzene	ug/m3	ND	11/14/05	TPH	3.0		
1,4-Dichlorobenzene	ug/m3	14.	11/14/05	TPH	3.0		
Dichlorodifluoromethane	ug/m3	4.8	11/14/05	TPH	2.5		
1,1-Dichloroethane	ug/m3	15.	11/14/05	TPH	2.0		
1,2-Dichloroethane	ug/m3	75.	11/14/05	TPH	2.0		
1,1-Dichloroethylene	ug/m3	10.	11/14/05	TPH	2.0		
cis-1,2-Dichloroethylene	ug/m3	10.	11/14/05	TPH	2.0		
t-1,2-Dichloroethylene	ug/m3	ND	11/14/05	TPH	2.0		
1,2-Dichloropropane	ug/m3	4.7	11/14/05	TPH	2.3		
cis-1,3-Dichloropropene	ug/m3	ND	11/14/05	TPH	2.3		
trans-1,3-Dichloropropene	ug/m3	ND	11/14/05	TPH	2.3		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	11/14/05	TPH	3.5		
Ethanol	ug/m3	96.	11/14/05	TPH	0.9		

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11/17/2005
Page 23 of 31

Purchase Order No.: 49565

Project Location: SOUTH MESA
Date Received: 11/9/2005
Field Sample #: INT

LIMS-BAT #: LIMS-93123
Job Number: 4972-04-2034

Sample ID: *05B44116

Sampled: 11/8/2005
CT1315

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Ethyl Acetate	ug/m3	ND	11/14/05	TPH	1.8			
Ethylbenzene	ug/m3	9.6	11/14/05	TPH	2.2			
4-Ethyl Toluene	ug/m3	3.7	11/14/05	TPH	2.5			
n-Heptane	ug/m3	10.	11/14/05	TPH	2.0			
Hexachlorobutadiene	ug/m3	ND	11/14/05	TPH	5.4			
Hexane	ug/m3	25.	11/14/05	TPH	1.8			
2-Hexanone	ug/m3	ND	11/14/05	TPH	2.0			
Isopropanol	ug/m3	110.	11/14/05	TPH	1.2			
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	11/14/05	TPH	1.8			
Methylene Chloride	ug/m3	46.	11/14/05	TPH	1.7			
4-Methyl-2-Pentanone (MIBK)	ug/m3	37.	11/14/05	TPH	2.0			
Propene	ug/m3	ND	11/14/05	TPH	0.9			
Styrene	ug/m3	5.6	11/14/05	TPH	2.1			
1,1,2,2-Tetrachloroethane	ug/m3	ND	11/14/05	TPH	3.4			
Tetrachloroethylene	ug/m3	510.	11/14/05	TPH	3.4			
Tetrahydrofuran	ug/m3	34.	11/14/05	TPH	1.5			
Toluene	ug/m3	210.	11/14/05	TPH	1.9			
1,2,4-Trichlorobenzene	ug/m3	ND	11/14/05	TPH	3.7			
1,1,1-Trichloroethane	ug/m3	ND	11/14/05	TPH	2.7			
1,1,2-Trichloroethane	ug/m3	ND	11/14/05	TPH	2.7			
Trichloroethylene	ug/m3	1700.	11/14/05	TPH	2.7			
Trichlorofluoromethane	ug/m3	5.5	11/14/05	TPH	2.8			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	11/14/05	TPH	3.8			
1,2,4-Trimethylbenzene	ug/m3	11.	11/14/05	TPH	2.5			
1,3,5-Trimethylbenzene	ug/m3	3.9	11/14/05	TPH	2.5			
Vinyl Acetate	ug/m3	ND	11/14/05	TPH	1.8			
Vinyl Chloride	ug/m3	ND	11/14/05	TPH	1.3			
m/p-Xylene	ug/m3	27.	11/14/05	TPH	4.3			
o-Xylene	ug/m3	9.3	11/14/05	TPH	2.2			

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Purchase Order No.: 49565

11/17/2005

Page 24 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Field Sample #: INT

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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11/17/2005
Page 25 of 31

Purchase Order No.: 49565

Project Location: SOUTH MESA
Date Received: 11/9/2005
Field Sample #: VW-5AB

LIMS-BAT #: LIMS-93123
Job Number: 4972-04-2034

Sample ID: *05B44118

Sampled: 11/8/2005
CT1220

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	ug/m3	33.	11/14/05	TPH	1.2			
Benzene	ug/m3	ND	11/14/05	TPH	1.6			
Benzyl Chloride	ug/m3	ND	11/14/05	TPH	2.6			
Bromodichloromethane	ug/m3	53.	11/14/05	TPH	3.4			
Bromomethane	ug/m3	ND	11/14/05	TPH	1.9			
1,3-Butadiene	ug/m3	ND	11/14/05	TPH	1.1			
2-Butanone (MEK)	ug/m3	17.	11/14/05	TPH	1.5			
Carbon Disulfide	ug/m3	ND	11/14/05	TPH	1.6			
Carbon Tetrachloride	ug/m3	ND	11/14/05	TPH	3.1			
Chlorobenzene	ug/m3	ND	11/14/05	TPH	2.3			
Chlorodibromomethane	ug/m3	5.4	11/14/05	TPH	4.3			
Chloroethane	ug/m3	ND	11/14/05	TPH	1.3			
Chloroform	ug/m3	53.	11/14/05	TPH	2.4			
Chloromethane	ug/m3	ND	11/14/05	TPH	1.0			
Cyclohexane	ug/m3	ND	11/14/05	TPH	1.7			
1,2-Dibromoethane	ug/m3	ND	11/14/05	TPH	3.8			
1,2-Dichlorobenzene	ug/m3	ND	11/14/05	TPH	3.0			
1,3-Dichlorobenzene	ug/m3	ND	11/14/05	TPH	3.0			
1,4-Dichlorobenzene	ug/m3	ND	11/14/05	TPH	3.0			
Dichlorodifluoromethane	ug/m3	11.	11/14/05	TPH	2.5			
1,1-Dichloroethane	ug/m3	ND	11/14/05	TPH	2.0			
1,2-Dichloroethane	ug/m3	2.4	11/14/05	TPH	2.0			
1,1-Dichloroethylene	ug/m3	ND	11/14/05	TPH	2.0			
cis-1,2-Dichloroethylene	ug/m3	190.	11/14/05	TPH	2.0			
t-1,2-Dichloroethylene	ug/m3	ND	11/14/05	TPH	2.0			
1,2-Dichloropropane	ug/m3	ND	11/14/05	TPH	2.3			
cis-1,3-Dichloropropene	ug/m3	ND	11/14/05	TPH	2.3			
trans-1,3-Dichloropropene	ug/m3	ND	11/14/05	TPH	2.3			
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	11/14/05	TPH	3.5			
Ethanol	ug/m3	ND	11/14/05	TPH	0.9			

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Purchase Order No.: 49565

11/17/2005

Page 26 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: VW-5AB

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Sample ID: *05B44118

Sampled: 11/8/2005

CT1220

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	11/14/05	TPH	1.8		
Ethylbenzene	ug/m3	ND	11/14/05	TPH	2.2		
4-Ethyl Toluene	ug/m3	ND	11/14/05	TPH	2.5		
n-Heptane	ug/m3	ND	11/14/05	TPH	2.0		
Hexachlorobutadiene	ug/m3	ND	11/14/05	TPH	5.4		
Hexane	ug/m3	ND	11/14/05	TPH	1.8		
2-Hexanone	ug/m3	ND	11/14/05	TPH	2.0		
Isopropanol	ug/m3	ND	11/14/05	TPH	1.2		
Methyl tert-Butyl Ether (MTBE)	ug/m3	2.6	11/14/05	TPH	1.8		
Methylene Chloride	ug/m3	40.	11/14/05	TPH	1.7		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	11/14/05	TPH	2.0		
Propene	ug/m3	ND	11/14/05	TPH	0.9		
Styrene	ug/m3	ND	11/14/05	TPH	2.1		
1,1,2,2-Tetrachloroethane	ug/m3	ND	11/14/05	TPH	3.4		
Tetrachloroethylene	ug/m3	700.	11/14/05	TPH	3.4		
Tetrahydrofuran	ug/m3	30.	11/14/05	TPH	1.5		
Toluene	ug/m3	7.1	11/14/05	TPH	1.9		
1,2,4-Trichlorobenzene	ug/m3	ND	11/14/05	TPH	3.7		
1,1,1-Trichloroethane	ug/m3	ND	11/14/05	TPH	2.7		
1,1,2-Trichloroethane	ug/m3	ND	11/14/05	TPH	2.7		
Trichloroethylene	ug/m3	49.	11/14/05	TPH	2.7		
Trichlorofluoromethane	ug/m3	33.	11/14/05	TPH	2.8		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	11/14/05	TPH	3.8		
1,2,4-Trimethylbenzene	ug/m3	ND	11/14/05	TPH	2.5		
1,3,5-Trimethylbenzene	ug/m3	ND	11/14/05	TPH	2.5		
Vinyl Acetate	ug/m3	ND	11/14/05	TPH	1.8		
Vinyl Chloride	ug/m3	ND	11/14/05	TPH	1.3		
m/p-Xylene	ug/m3	ND	11/14/05	TPH	4.3		
o-Xylene	ug/m3	ND	11/14/05	TPH	2.2		

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Purchase Order No.: 49565

11/17/2005

Page 27 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: VW-5AB

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Purchase Order No.: 49565

11/17/2005

Page 28 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

Field Sample #: VW-7B

LIMS-BAT #: LIMS-93123

Job Number: 4972-04-2034

Sample ID: *05B44119

Sampled: 11/8/2005

CT1658

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	ND	11/14/05	TPH	1.2		
Benzene	ug/m3	6.7	11/14/05	TPH	1.6		
Benzyl Chloride	ug/m3	ND	11/14/05	TPH	2.6		
Bromodichloromethane	ug/m3	30.	11/14/05	TPH	3.4		
Bromomethane	ug/m3	ND	11/14/05	TPH	1.9		
1,3-Butadiene	ug/m3	ND	11/14/05	TPH	1.1		
2-Butanone (MEK)	ug/m3	ND	11/14/05	TPH	1.5		
Carbon Disulfide	ug/m3	ND	11/14/05	TPH	1.6		
Carbon Tetrachloride	ug/m3	ND	11/14/05	TPH	3.1		
Chlorobenzene	ug/m3	ND	11/14/05	TPH	2.3		
Chlorodibromomethane	ug/m3	4.4	11/14/05	TPH	4.3		
Chloroethane	ug/m3	ND	11/14/05	TPH	1.3		
Chloroform	ug/m3	69.	11/14/05	TPH	2.4		
Chloromethane	ug/m3	ND	11/14/05	TPH	1.0		
Cyclohexane	ug/m3	ND	11/14/05	TPH	1.7		
1,2-Dibromoethane	ug/m3	ND	11/14/05	TPH	3.8		
1,2-Dichlorobenzene	ug/m3	ND	11/14/05	TPH	3.0		
1,3-Dichlorobenzene	ug/m3	ND	11/14/05	TPH	3.0		
1,4-Dichlorobenzene	ug/m3	ND	11/14/05	TPH	3.0		
Dichlorodifluoromethane	ug/m3	25.	11/14/05	TPH	2.5		
1,1-Dichloroethane	ug/m3	200.	11/14/05	TPH	2.0		
1,2-Dichloroethane	ug/m3	ND	11/14/05	TPH	2.0		
1,1-Dichloroethylene	ug/m3	130.	11/14/05	TPH	2.0		
cis-1,2-Dichloroethylene	ug/m3	51.	11/14/05	TPH	2.0		
t-1,2-Dichloroethylene	ug/m3	ND	11/14/05	TPH	2.0		
1,2-Dichloropropane	ug/m3	82.	11/14/05	TPH	2.3		
cis-1,3-Dichloropropene	ug/m3	ND	11/14/05	TPH	2.3		
trans-1,3-Dichloropropene	ug/m3	ND	11/14/05	TPH	2.3		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	11/14/05	TPH	3.5		
Ethanol	ug/m3	ND	11/14/05	TPH	0.9		

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 3630 EAST WIER AVENUE
 PHOENIX, AZ 85040

Purchase Order No.: 49565

11/17/2005
 Page 29 of 31

Project Location: SOUTH MESA
 Date Received: 11/9/2005
 Field Sample #: VW-7B

LIMS-BAT #: LIMS-93123
 Job Number: 4972-04-2034

Sample ID: *05B44119

Sampled: 11/8/2005
 CT1658

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	11/14/05	TPH	1.8		
Ethylbenzene	ug/m3	ND	11/14/05	TPH	2.2		
4-Ethyl Toluene	ug/m3	ND	11/14/05	TPH	2.5		
n-Heptane	ug/m3	ND	11/14/05	TPH	2.0		
Hexachlorobutadiene	ug/m3	ND	11/14/05	TPH	5.4		
Hexane	ug/m3	ND	11/14/05	TPH	1.8		
2-Hexanone	ug/m3	ND	11/14/05	TPH	2.0		
Isopropanol	ug/m3	ND	11/14/05	TPH	1.2		
Methyl tert-Butyl Ether (MTBE)	ug/m3	3.1	11/14/05	TPH	1.8		
Methylene Chloride	ug/m3	ND	11/14/05	TPH	1.7		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	11/14/05	TPH	2.0		
Propene	ug/m3	ND	11/14/05	TPH	0.9		
Styrene	ug/m3	ND	11/14/05	TPH	2.1		
1,1,2,2-Tetrachloroethane	ug/m3	ND	11/14/05	TPH	3.4		
Tetrachloroethylene	ug/m3	6500.	11/14/05	TPH	3.4		
Tetrahydrofuran	ug/m3	ND	11/14/05	TPH	1.5		
Toluene	ug/m3	5.9	11/14/05	TPH	1.9		
1,2,4-Trichlorobenzene	ug/m3	ND	11/14/05	TPH	3.7		
1,1,1-Trichloroethane	ug/m3	7.1	11/14/05	TPH	2.7		
1,1,2-Trichloroethane	ug/m3	ND	11/14/05	TPH	2.7		
Trichloroethylene	ug/m3	24.	11/14/05	TPH	2.7		
Trichlorofluoromethane	ug/m3	40.	11/14/05	TPH	2.8		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	6.6	11/14/05	TPH	3.8		
1,2,4-Trimethylbenzene	ug/m3	ND	11/14/05	TPH	2.5		
1,3,5-Trimethylbenzene	ug/m3	ND	11/14/05	TPH	2.5		
Vinyl Acetate	ug/m3	ND	11/14/05	TPH	1.8		
Vinyl Chloride	ug/m3	ND	11/14/05	TPH	1.3		
m/p-Xylene	ug/m3	ND	11/14/05	TPH	4.3		
o-Xylene	ug/m3	ND	11/14/05	TPH	2.2		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or
 regulatory level for comparison with data to
 determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



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PHOENIX, AZ 85040

11/17/2005

Page 30 of 31

Purchase Order No.: 49565

Project Location: SOUTH MESA

LIMS-BAT #: LIMS-93123

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Field Sample #: VW-7B

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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PHOENIX, AZ 85040

Purchase Order No.: 49565

11/17/2005

Page 31 of 31

Project Location: SOUTH MESA

Date Received: 11/9/2005

LIMS-BAT #: LIMS-93123

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The following notes were attached to the reported analysis :

Sample ID: * 05B44115

Analysis: Hexachlorobutadiene

REPORTED RESULT IS ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION
DID NOT MEET REQUIRED CRITERIA.

Sample ID: * 05B44116

Analysis: Hexachlorobutadiene

REPORTED RESULT IS ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION
DID NOT MEET REQUIRED CRITERIA.

Sample ID: * 05B44117

Analysis: Hexachlorobutadiene

REPORTED RESULT IS ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION
DID NOT MEET REQUIRED CRITERIA.

Sample ID: * 05B44118

Analysis: Hexachlorobutadiene

REPORTED RESULT IS ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION
DID NOT MEET REQUIRED CRITERIA.

Sample ID: * 05B44119

Analysis: Hexachlorobutadiene

REPORTED RESULT IS ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION
DID NOT MEET REQUIRED CRITERIA.

** END OF REPORT **

RL = Reporting Limit

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regulatory level for comparison with data to
determine PASS (P) or FAIL (F) condition of results.



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 11/17/2005

Lims Bat #: LIMS-93123

Page 1 of 8

QC Batch Number: BATCH-10100

Sample Id	Analysis	QC Analysis	Values	Units	Limits
05B44115	4-Bromofluorobenzene	Surrogate Recovery	94.2	%	70-130
05B44116	4-Bromofluorobenzene	Surrogate Recovery	95.8	%	70-130
05B44117	4-Bromofluorobenzene	Surrogate Recovery	96.4	%	70-130
05B44118	4-Bromofluorobenzene	Surrogate Recovery	99.1	%	70-130
05B44119	4-Bromofluorobenzene	Surrogate Recovery	96.9	%	70-130
BLANK-81072	Acetone	Blank	<1.2	ug/m3	
	Benzene	Blank	<1.6	ug/m3	
	Carbon Tetrachloride	Blank	<3.1	ug/m3	
	Chloroform	Blank	<2.4	ug/m3	
	1,2-Dichloroethane	Blank	<2.0	ug/m3	
	1,4-Dichlorobenzene	Blank	<3.0	ug/m3	
	Ethyl Acetate	Blank	<1.8	ug/m3	
	Ethylbenzene	Blank	<2.2	ug/m3	
	Hexane	Blank	<1.8	ug/m3	
	Isopropanol	Blank	<1.2	ug/m3	
	2-Butanone (MEK)	Blank	<1.5	ug/m3	
	4-Methyl-2-Pentanone (MIBK)	Blank	<2.0	ug/m3	
	Styrene	Blank	<2.1	ug/m3	
	Tetrachloroethylene	Blank	<3.4	ug/m3	
	Toluene	Blank	<1.9	ug/m3	
	1,1,1-Trichloroethane	Blank	<2.7	ug/m3	
	Trichloroethylene	Blank	<2.7	ug/m3	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<3.8	ug/m3	
	Trichlorofluoromethane	Blank	<2.8	ug/m3	
	o-Xylene	Blank	<2.2	ug/m3	
	m/p-Xylene	Blank	<4.3	ug/m3	
	1,2-Dichlorobenzene	Blank	<3.0	ug/m3	
	1,3-Dichlorobenzene	Blank	<3.0	ug/m3	
	1,1-Dichloroethane	Blank	<2.0	ug/m3	
	1,1-Dichloroethylene	Blank	<2.0	ug/m3	
	Ethanol	Blank	<0.9	ug/m3	
	4-Ethyl Toluene	Blank	<2.5	ug/m3	
	Methyl tert-Butyl Ether (MTBE)	Blank	<1.8	ug/m3	
	t-1,2-Dichloroethylene	Blank	<2.0	ug/m3	
	Vinyl Chloride	Blank	<1.3	ug/m3	
	Methylene Chloride	Blank	<1.7	ug/m3	
	Chlorobenzene	Blank	<2.3	ug/m3	
	Chloromethane	Blank	<1.0	ug/m3	

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Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 11/17/2005

Lims Bat #: LIMS-93123

Page 2 of 8

QC Batch Number: BATCH-10100

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-81072					
	Bromomethane	Blank	<1.9	ug/m3	
	Chloroethane	Blank	<1.3	ug/m3	
	cis-1,3-Dichloropropene	Blank	<2.3	ug/m3	
	trans-1,3-Dichloropropene	Blank	<2.3	ug/m3	
	Chlorodibromomethane	Blank	<4.3	ug/m3	
	1,1,2-Trichloroethane	Blank	<2.7	ug/m3	
	1,1,2,2-Tetrachloroethane	Blank	<3.4	ug/m3	
	Hexachlorobutadiene	Blank	<5.4	ug/m3	
	1,2,4-Trichlorobenzene	Blank	<3.7	ug/m3	
	1,2,4-Trimethylbenzene	Blank	<2.5	ug/m3	
	1,3,5-Trimethylbenzene	Blank	<2.5	ug/m3	
	Cyclohexane	Blank	<1.7	ug/m3	
	cis-1,2-Dichloroethylene	Blank	<2.0	ug/m3	
	1,2-Dichloropropane	Blank	<2.3	ug/m3	
	Dichlorodifluoromethane	Blank	<2.5	ug/m3	
	Benzyl Chloride	Blank	<2.6	ug/m3	
	Carbon Disulfide	Blank	<1.6	ug/m3	
	Vinyl Acetate	Blank	<1.8	ug/m3	
	2-Hexanone	Blank	<2.0	ug/m3	
	Bromodichloromethane	Blank	<3.4	ug/m3	
	1,2-Dibromoethane	Blank	<3.8	ug/m3	
	n-Heptane	Blank	<2.0	ug/m3	
	1,2-Dichlorotetrafluoroethane (114)	Blank	<3.5	ug/m3	
	Tetrahydrofuran	Blank	<1.5	ug/m3	
	Propene	Blank	<0.9	ug/m3	
	1,3-Butadiene	Blank	<1.1	ug/m3	
LFBLANK-46397					
	Acetone	Lab Fort Blank Amt.	23.8	ug/m3	
		Lab Fort Blk. Found	24.9	ug/m3	
		Lab Fort Blk. % Rec.	104.8	%	50-150
	Benzene	Lab Fort Blank Amt.	31.9	ug/m3	
		Lab Fort Blk. Found	33.4	ug/m3	
		Lab Fort Blk. % Rec.	104.7	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	62.9	ug/m3	
		Lab Fort Blk. Found	66.7	ug/m3	
		Lab Fort Blk. % Rec.	106.1	%	70-130
	Chloroform	Lab Fort Blank Amt.	48.7	ug/m3	
		Lab Fort Blk. Found	53.0	ug/m3	
		Lab Fort Blk. % Rec.	108.8	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	40.5	ug/m3	
		Lab Fort Blk. Found	45.8	ug/m3	
		Lab Fort Blk. % Rec.	113.0	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	60.1	ug/m3	



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Method Blanks

Report Date: 11/17/2005

Lims Bat #: LIMS-93123

Page 3 of 8

QC Batch Number: BATCH-10100

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-46397					
1,4-Dichlorobenzene		Lab Fort Blk. Found	69.5	ug/m3	70-130
		Lab Fort Blk. % Rec.	115.6	%	
Ethyl Acetate		Lab Fort Blank Amt.	36.0	ug/m3	50-150
		Lab Fort Blk. Found	42.4	ug/m3	
Ethylbenzene		Lab Fort Blk. % Rec.	117.7	%	70-130
		Lab Fort Blank Amt.	43.4	ug/m3	
Hexane		Lab Fort Blk. Found	47.8	ug/m3	70-130
		Lab Fort Blk. % Rec.	110.3	%	
Isopropanol		Lab Fort Blank Amt.	35.2	ug/m3	70-130
		Lab Fort Blk. Found	36.6	ug/m3	
2-Butanone (MEK)		Lab Fort Blk. % Rec.	103.9	%	50-150
		Lab Fort Blank Amt.	24.6	ug/m3	
4-Methyl-2-Pentanone (MIBK)		Lab Fort Blk. Found	27.1	ug/m3	70-130
		Lab Fort Blk. % Rec.	110.2	%	
Styrene		Lab Fort Blank Amt.	29.5	ug/m3	70-130
		Lab Fort Blk. Found	34.2	ug/m3	
Tetrachloroethylene		Lab Fort Blk. % Rec.	115.9	%	70-130
		Lab Fort Blank Amt.	41.0	ug/m3	
Toluene		Lab Fort Blk. Found	43.1	ug/m3	70-130
		Lab Fort Blk. % Rec.	105.3	%	
1,1,1-Trichloroethane		Lab Fort Blank Amt.	42.5	ug/m3	70-130
		Lab Fort Blk. Found	49.0	ug/m3	
Trichloroethylene		Lab Fort Blk. % Rec.	115.2	%	70-130
		Lab Fort Blank Amt.	67.8	ug/m3	
1,1,2-Trichloro-1,2,2-Trifluoroethane		Lab Fort Blk. Found	77.7	ug/m3	70-130
		Lab Fort Blk. % Rec.	114.6	%	
o-Xylene		Lab Fort Blank Amt.	37.6	ug/m3	70-130
		Lab Fort Blk. Found	41.7	ug/m3	
		Lab Fort Blk. % Rec.	110.9	%	70-130
		Lab Fort Blank Amt.	54.6	ug/m3	
		Lab Fort Blk. Found	57.8	ug/m3	70-130
		Lab Fort Blk. % Rec.	106.0	%	
		Lab Fort Blank Amt.	53.7	ug/m3	70-130
		Lab Fort Blk. Found	55.4	ug/m3	
		Lab Fort Blk. % Rec.	103.0	%	70-130
		Lab Fort Blank Amt.	76.6	ug/m3	
		Lab Fort Blk. Found	81.1	ug/m3	70-130
		Lab Fort Blk. % Rec.	105.8	%	
		Lab Fort Blank Amt.	56.2	ug/m3	70-130
		Lab Fort Blk. Found	63.2	ug/m3	
		Lab Fort Blk. % Rec.	112.4	%	70-130
		Lab Fort Blank Amt.	43.4	ug/m3	
		Lab Fort Blk. Found	48.6	ug/m3	

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Method Blanks

Report Date: 11/17/2005

Lims Bat #: LIMS-93123

Page 4 of 8

QC Batch Number: BATCH-10100

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-46397	o-Xylene m/p-Xylene	Lab Fort Blk. % Rec.	111.8	%	70-130
		Lab Fort Blank Amt.	86.9	ug/m3	
		Lab Fort Blk. Found	96.9	ug/m3	
		Lab Fort Blk. % Rec.	111.6	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	60.1	ug/m3	
		Lab Fort Blk. Found	66.2	ug/m3	
		Lab Fort Blk. % Rec.	110.1	%	70-130
		Lab Fort Blank Amt.	60.1	ug/m3	
	1,3-Dichlorobenzene	Lab Fort Blk. Found	68.6	ug/m3	
		Lab Fort Blk. % Rec.	114.1	%	70-130
		Lab Fort Blank Amt.	40.5	ug/m3	
		Lab Fort Blk. Found	43.5	ug/m3	
	1,1-Dichloroethane	Lab Fort Blk. % Rec.	107.5	%	70-130
		Lab Fort Blank Amt.	39.7	ug/m3	
		Lab Fort Blk. Found	41.3	ug/m3	
		Lab Fort Blk. % Rec.	104.1	%	70-130
	Ethanol	Lab Fort Blank Amt.	18.8	ug/m3	
		Lab Fort Blk. Found	16.4	ug/m3	
		Lab Fort Blk. % Rec.	87.0	%	50-150
		Lab Fort Blank Amt.	49.2	ug/m3	
	4-Ethyl Toluene	Lab Fort Blk. Found	56.5	ug/m3	
		Lab Fort Blk. % Rec.	114.9	%	50-150
		Lab Fort Blank Amt.	36.1	ug/m3	
		Lab Fort Blk. Found	41.5	ug/m3	
	Methyl tert-Butyl Ether (MTBE)	Lab Fort Blk. % Rec.	115.1	%	70-130
		Lab Fort Blank Amt.	39.6	ug/m3	
		Lab Fort Blk. Found	42.1	ug/m3	
		Lab Fort Blk. % Rec.	106.1	%	70-130
	Vinyl Chloride	Lab Fort Blank Amt.	25.6	ug/m3	
		Lab Fort Blk. Found	26.8	ug/m3	
		Lab Fort Blk. % Rec.	104.7	%	70-130
		Lab Fort Blank Amt.	34.7	ug/m3	
	Methylene Chloride	Lab Fort Blk. Found	33.9	ug/m3	
		Lab Fort Blk. % Rec.	97.6	%	70-130
		Lab Fort Blank Amt.	46.1	ug/m3	
		Lab Fort Blk. Found	51.7	ug/m3	
	Chlorobenzene	Lab Fort Blk. % Rec.	112.2	%	70-130
		Lab Fort Blank Amt.	20.7	ug/m3	
		Lab Fort Blk. Found	21.4	ug/m3	
		Lab Fort Blk. % Rec.	103.5	%	70-130
	Chloromethane	Lab Fort Blank Amt.	38.8	ug/m3	
		Lab Fort Blk. Found	41.2	ug/m3	
		Lab Fort Blk. % Rec.	106.1	%	70-130
		Lab Fort Blank Amt.			

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Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 11/17/2005

Lims Bat #: LIMS-93123

Page 5 of 8

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LFBLANK-46397					
Chloroethane		Lab Fort Blank Amt.	26.4	ug/m3	
		Lab Fort Blk. Found	27.3	ug/m3	
		Lab Fort Blk. % Rec.	103.6	%	70-130
cis-1,3-Dichloropropene		Lab Fort Blank Amt.	45.4	ug/m3	
		Lab Fort Blk. Found	49.2	ug/m3	
		Lab Fort Blk. % Rec.	108.4	%	70-130
trans-1,3-Dichloropropene		Lab Fort Blank Amt.	45.4	ug/m3	
		Lab Fort Blk. Found	49.4	ug/m3	
		Lab Fort Blk. % Rec.	108.9	%	70-130
Chlorodibromomethane		Lab Fort Blank Amt.	85.2	ug/m3	
		Lab Fort Blk. Found	97.0	ug/m3	
		Lab Fort Blk. % Rec.	113.9	%	70-130
1,1,2-Trichloroethane		Lab Fort Blank Amt.	54.6	ug/m3	
		Lab Fort Blk. Found	58.7	ug/m3	
		Lab Fort Blk. % Rec.	107.5	%	70-130
1,1,2,2-Tetrachloroethane		Lab Fort Blank Amt.	68.7	ug/m3	
		Lab Fort Blk. Found	72.3	ug/m3	
		Lab Fort Blk. % Rec.	105.3	%	70-130
Hexachlorobutadiene		Lab Fort Blank Amt.	106.7	ug/m3	
		Lab Fort Blk. Found	69.0	ug/m3	
		Lab Fort Blk. % Rec.	64.7	%	70-130
1,2,4-Trichlorobenzene		Lab Fort Blank Amt.	74.2	ug/m3	
		Lab Fort Blk. Found	53.2	ug/m3	
		Lab Fort Blk. % Rec.	71.7	%	70-130
1,2,4-Trimethylbenzene		Lab Fort Blank Amt.	49.2	ug/m3	
		Lab Fort Blk. Found	55.7	ug/m3	
		Lab Fort Blk. % Rec.	113.4	%	70-130
1,3,5-Trimethylbenzene		Lab Fort Blank Amt.	49.2	ug/m3	
		Lab Fort Blk. Found	55.3	ug/m3	
		Lab Fort Blk. % Rec.	112.5	%	70-130
Cyclohexane		Lab Fort Blank Amt.	34.4	ug/m3	
		Lab Fort Blk. Found	33.4	ug/m3	
		Lab Fort Blk. % Rec.	97.1	%	50-150
cis-1,2-Dichloroethylene		Lab Fort Blank Amt.	39.7	ug/m3	
		Lab Fort Blk. Found	43.5	ug/m3	
		Lab Fort Blk. % Rec.	109.7	%	70-130
1,2-Dichloropropane		Lab Fort Blank Amt.	46.2	ug/m3	
		Lab Fort Blk. Found	48.6	ug/m3	
		Lab Fort Blk. % Rec.	105.2	%	70-130
Dichlorodifluoromethane		Lab Fort Blank Amt.	49.5	ug/m3	
		Lab Fort Blk. Found	54.0	ug/m3	
		Lab Fort Blk. % Rec.	109.1	%	70-130
Benzyl Chloride		Lab Fort Blank Amt.	51.8	ug/m3	



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Report Date: 11/17/2005

Lims Bat #: LIMS-93123

Page 6 of 8

QC Batch Number: BATCH-10100

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-46397	Benzyl Chloride	Lab Fort Blk. Found	57.4	ug/m3	
		Lab Fort Blk. % Rec.	110.8	%	70-130
	Carbon Disulfide	Lab Fort Blank Amt.	31.1	ug/m3	
		Lab Fort Blk. Found	32.9	ug/m3	
		Lab Fort Blk. % Rec.	105.6	%	70-130
	Vinyl Acetate	Lab Fort Blank Amt.	35.2	ug/m3	
		Lab Fort Blk. Found	40.3	ug/m3	
		Lab Fort Blk. % Rec.	114.5	%	70-130
	2-Hexanone	Lab Fort Blank Amt.	41.0	ug/m3	
		Lab Fort Blk. Found	37.4	ug/m3	
		Lab Fort Blk. % Rec.	91.2	%	50-150
	Bromodichloromethane	Lab Fort Blank Amt.	67.0	ug/m3	
		Lab Fort Blk. Found	70.0	ug/m3	
		Lab Fort Blk. % Rec.	104.4	%	70-130
	1,2-Dibromoethane	Lab Fort Blank Amt.	76.9	ug/m3	
		Lab Fort Blk. Found	87.5	ug/m3	
		Lab Fort Blk. % Rec.	113.8	%	70-130
	n-Heptane	Lab Fort Blank Amt.	41.0	ug/m3	
		Lab Fort Blk. Found	41.2	ug/m3	
		Lab Fort Blk. % Rec.	100.5	%	50-150
	1,2-Dichlorotetrafluoroethane (114)	Lab Fort Blank Amt.	69.9	ug/m3	
		Lab Fort Blk. Found	74.9	ug/m3	
		Lab Fort Blk. % Rec.	107.1	%	70-130
	Tetrahydrofuran	Lab Fort Blank Amt.	29.5	ug/m3	
		Lab Fort Blk. Found	34.6	ug/m3	
		Lab Fort Blk. % Rec.	117.2	%	50-150
	Propene	Lab Fort Blank Amt.	17.2	ug/m3	
		Lab Fort Blk. Found	16.8	ug/m3	
		Lab Fort Blk. % Rec.	97.4	%	50-150
	1,3-Butadiene	Lab Fort Blank Amt.	22.1	ug/m3	
		Lab Fort Blk. Found	23.2	ug/m3	
		Lab Fort Blk. % Rec.	105.0	%	70-130



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 11/17/2005

Lims Bat #: LIMS-93123

Page 7 of 8

NOTES:

QC Batch No.: BATCH-10100

Sample ID : BLANK-81072

Analysis : Hexachlorobutadiene

REPORTED RESULT IS ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION
DID NOT MEET REQUIRED CRITERIA.

QC Batch No.: BATCH-10100

Sample ID : LFBLANK-46397

Analysis : Hexachlorobutadiene

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. ANY REPORTED
RESULT FOR THIS COMPOUND IN THIS BATCH IS LIKELY TO BE BIASED ON THE LOW SIDE.

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date:

11/17/2005

Lims Bat #: LIMS-93123

Page 8 of 8

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken though all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries



Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

lins # 93123

39 SPRUCE ST
EAST LONGMEADOW, MA 01028

Company Name: <u>MADEC, INC</u>		Telephone: <u>(402) 437-0258</u>		# of containers															
Address: <u>3630 E WILK AVE</u>		Project # <u>4972-04-2034</u>		**Preservation															
Attention: <u>JIM CLARKE</u>		Client PO #		~Cont. Code															
Project Location: <u>SOUTH MESA</u>		DATA DELIVERY (check one): <input type="checkbox"/> FAX <input type="checkbox"/> EMAIL <input type="checkbox"/> WEBSITE CLIENT																	
Sampled By: <u>MARK HAMMER</u>		Email: <u></u>																	
Proposal Provided? (For Billing purposes) <input type="checkbox"/> yes <input type="checkbox"/> no		Format: <input checked="" type="checkbox"/> EXCEL <input checked="" type="checkbox"/> PDF <input type="checkbox"/> GIS KEY																	
State Form Required? <input type="checkbox"/> yes <input type="checkbox"/> no		<input type="checkbox"/> OTHER																	
Field ID	Sample Description	Lab #	Date Sampled	Start Date/Time	Stop Date/Time	Comp-oste	Grab	*Matrix Code	ANALYSIS REQUESTED					~Cont. Code					
ZNF	44115	CT3441	11/8/5	0930					A	X									
ZNT	44116	CT1315		0940															
EFF	44117	CT4419		0955															
VW-SAB	44118	CT1220		1010															
VW-7B	44119	CT1658		1025															
Laboratory Comments:																			
Relinquished by: (signature) <u>Mark Hammer</u>		Date/Time: <u>11/8/5 1415</u>		Turnaround ** <input type="checkbox"/> 7-Day <input checked="" type="checkbox"/> 10-Day <input type="checkbox"/> Other <u>RUSH*</u>		Detection Limit Requirements Regulations? <u></u> Data Enhancement Project/RCP? <input type="checkbox"/> Y <input type="checkbox"/> N		*Matrix Code: GW = groundwater WW = wastewater DW = drinking water A = air S = soil/solid SL = sludge O = other		**Preservation Codes: I = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium bisulfate O = Other		X = Na hydroxide T = Na thiosulfate		Client Comments:					
Received by: (signature) <u>gettin delany</u>		Date/Time: <u>11/8/5 1415</u>		Date/Time: <u>11/09/05 0953</u>		Special Requirements or DL's: <u></u>		O = other											

Con-Test Laboratory is the ONLY Independent laboratory in all of New England with both prestigious AIHA and NELAP Certifications and WBE/DBE Certified!



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REPORT DATE 12/30/2005

MACTEC ENGINEERING & CONSULTING - AZ
3630 EAST WIER AVENUE
PHOENIX, AZ 85040
ATTN: JIM CLARKE

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-93997

JOB NUMBER: 4972042034.4.6

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: SOUTH MESA

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST
EFF	05B48739	AIR	CT 11455	to-15 ppbv
EFF	05B48739	AIR	CT 11455	to-15 ug/m3
INF	05B48737	AIR	CT 1089	to-15 ppbv
INF	05B48737	AIR	CT 1089	to-15 ug/m3
INT	05B48738	AIR	CT 1152	to-15 ppbv
INT	05B48738	AIR	CT 1152	to-15 ug/m3
VW-7B	05B48740	AIR	CT 1102	to-15 ppbv
VW-7B	05B48740	AIR	CT 1102	to-15 ug/m3

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations :

AIHA 100033	AIHA ELLAP (LEAD) 100033	
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	ARIZONA AZ0648
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	ARIZONA AZ0654 (AIR)

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Sondra L. Slesinski 12/30/05

SIGNATURE

DATE

Tod Kopyscinski
Director of Operations

Sondra L. Slesinski
Quality Control Coordinator

Edward Denson
Technical Director



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JIM CLARKE

MACTEC ENGINEERING & CONSULTING - AZ

3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Purchase Order No.:

12/30/2005

Page 1 of 26

Project Location: SOUTH MESA

Date Received: 12/15/2005

Field Sample #: EFF

LIMS-BAT #: LIMS-93997

Job Number: 4972042034.4.6

Sample ID: 05B48739

Sampled: 12/13/2005
CT 11455

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	PPBv	4.8	12/30/05	TPH	1.0			
Benzene	PPBv	ND	12/30/05	TPH	1.0			
Benzyl Chloride	PPBv	ND	12/30/05	TPH	1.0			
Bromodichloromethane	PPBv	ND	12/30/05	TPH	1.0			
Bromomethane	PPBv	ND	12/30/05	TPH	1.0			
1,3-Butadiene	PPBv	ND	12/30/05	TPH	1.0			
2-Butanone (MEK)	PPBv	ND	12/30/05	TPH	1.0			
Carbon Disulfide	PPBv	ND	12/30/05	TPH	1.0			
Carbon Tetrachloride	PPBv	ND	12/30/05	TPH	1.0			
Chlorobenzene	PPBv	ND	12/30/05	TPH	1.0			
Chlorodibromomethane	PPBv	ND	12/30/05	TPH	1.0			
Chloroethane	PPBv	ND	12/30/05	TPH	1.0			
Chloroform	PPBv	ND	12/30/05	TPH	1.0			
Chloromethane	PPBv	ND	12/30/05	TPH	1.0			
Cyclohexane	PPBv	ND	12/30/05	TPH	1.0			
1,2-Dibromoethane	PPBv	ND	12/30/05	TPH	1.0			
1,2-Dichlorobenzene	PPBv	ND	12/30/05	TPH	1.0			
1,3-Dichlorobenzene	PPBv	ND	12/30/05	TPH	1.0			
1,4-Dichlorobenzene	PPBv	ND	12/30/05	TPH	1.0			
Dichlorodifluoromethane	PPBv	1.2	12/30/05	TPH	1.0			
1,1-Dichloroethane	PPBv	1.2	12/30/05	TPH	1.0			
1,2-Dichloroethane	PPBv	ND	12/30/05	TPH	1.0			
1,1-Dichloroethylene	PPBv	1.0	12/30/05	TPH	1.0			
cis-1,2-Dichloroethylene	PPBv	ND	12/30/05	TPH	1.0			
t-1,2-Dichloroethylene	PPBv	ND	12/30/05	TPH	1.0			
1,2-Dichloropropane	PPBv	ND	12/30/05	TPH	1.0			
cis-1,3-Dichloropropene	PPBv	ND	12/30/05	TPH	1.0			
trans-1,3-Dichloropropene	PPBv	ND	12/30/05	TPH	1.0			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	12/30/05	TPH	1.0			
Ethanol	PPBv	3.3	12/30/05	TPH	1.0			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



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PHOENIX, AZ 85040

12/30/2005
Page 2 of 26

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 12/15/2005
Field Sample #: EFF

LIMS-BAT #: LIMS-93997
Job Number: 4972042034.4.6

Sample ID : 05B48739

Sampled : 12/13/2005
CT 11455

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Ethyl Acetate	PPBv	ND	12/30/05	TPH	1.0			
Ethylbenzene	PPBv	ND	12/30/05	TPH	1.0			
4-Ethyl Toluene	PPBv	ND	12/30/05	TPH	1.0			
n-Heptane	PPBv	ND	12/30/05	TPH	1.0			
Hexachlorobutadiene	PPBv	ND	12/30/05	TPH	1.0			
Hexane	PPBv	ND	12/30/05	TPH	1.0			
2-Hexanone	PPBv	ND	12/30/05	TPH	1.0			
Isopropanol	PPBv	ND	12/30/05	TPH	1.0			
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	12/30/05	TPH	1.0			
Methylene Chloride	PPBv	ND	12/30/05	TPH	1.0			
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	12/30/05	TPH	1.0			
Propene	PPBv	ND	12/30/05	TPH	1.0			
Styrene	PPBv	ND	12/30/05	TPH	1.0			
1,1,2,2-Tetrachloroethane	PPBv	ND	12/30/05	TPH	1.0			
Tetrachloroethylene	PPBv	ND	12/30/05	TPH	1.0			
Tetrahydrofuran	PPBv	ND	12/30/05	TPH	1.0			
Toluene	PPBv	ND	12/30/05	TPH	1.0			
1,2,4-Trichlorobenzene	PPBv	ND	12/30/05	TPH	1.0			
1,1,1-Trichloroethane	PPBv	ND	12/30/05	TPH	1.0			
1,1,2-Trichloroethane	PPBv	ND	12/30/05	TPH	1.0			
Trichloroethylene	PPBv	ND	12/30/05	TPH	1.0			
Trichlorofluoromethane (Freon 11)	PPBv	ND	12/30/05	TPH	1.0			
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	12/30/05	TPH	1.0			
1,2,4-Trimethylbenzene	PPBv	ND	12/30/05	TPH	1.0			
1,3,5-Trimethylbenzene	PPBv	ND	12/30/05	TPH	1.0			
Vinyl Acetate	PPBv	ND	12/30/05	TPH	1.0			
Vinyl Chloride	PPBv	ND	12/30/05	TPH	1.0			
m/p-Xylene	PPBv	ND	12/30/05	TPH	2.0			
o-Xylene	PPBv	ND	12/30/05	TPH	1.0			

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PHOENIX, AZ 85040

Purchase Order No.:

12/30/2005

Page 3 of 26

Project Location: SOUTH MESA

LIMS-BAT #: LIMS-93997

Date Received: 12/15/2005

Job Number: 4972042034.4.6

Field Sample #: EFF

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

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MACTEC ENGINEERING & CONSULTING - AZ
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PHOENIX, AZ 85040

12/30/2005
Page 4 of 26

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 12/15/2005
Field Sample #: INF

LIMS-BAT #: LIMS-93997
Job Number: 4972042034.4.6

Sample ID : 05B48737

Sampled : 12/13/2005
CT 1089

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	PPBv	8.0	12/30/05	TPH	1.0			
Benzene	PPBv	ND	12/30/05	TPH	1.0			
Benzyl Chloride	PPBv	ND	12/30/05	TPH	1.0			
Bromodichloromethane	PPBv	ND	12/30/05	TPH	1.0			
Bromomethane	PPBv	ND	12/30/05	TPH	1.0			
1,3-Butadiene	PPBv	ND	12/30/05	TPH	1.0			
2-Butanone (MEK)	PPBv	1.4	12/30/05	TPH	1.0			
Carbon Disulfide	PPBv	ND	12/30/05	TPH	1.0			
Carbon Tetrachloride	PPBv	ND	12/30/05	TPH	1.0			
Chlorobenzene	PPBv	ND	12/30/05	TPH	1.0			
Chlorodibromomethane	PPBv	ND	12/30/05	TPH	1.0			
Chloroethane	PPBv	ND	12/30/05	TPH	1.0			
Chloroform	PPBv	ND	12/30/05	TPH	1.0			
Chloromethane	PPBv	ND	12/30/05	TPH	1.0			
Cyclohexane	PPBv	1.4	12/30/05	TPH	1.0			
1,2-Dibromoethane	PPBv	ND	12/30/05	TPH	1.0			
1,2-Dichlorobenzene	PPBv	ND	12/30/05	TPH	1.0			
1,3-Dichlorobenzene	PPBv	ND	12/30/05	TPH	1.0			
1,4-Dichlorobenzene	PPBv	ND	12/30/05	TPH	1.0			
Dichlorodifluoromethane	PPBv	ND	12/30/05	TPH	1.0			
1,1-Dichloroethane	PPBv	2.2	12/30/05	TPH	1.0			
1,2-Dichloroethane	PPBv	ND	12/30/05	TPH	1.0			
1,1-Dichloroethylene	PPBv	1.8	12/30/05	TPH	1.0			
cis-1,2-Dichloroethylene	PPBv	1.0	12/30/05	TPH	1.0			
t-1,2-Dichloroethylene	PPBv	ND	12/30/05	TPH	1.0			
1,2-Dichloropropane	PPBv	1.2	12/30/05	TPH	1.0			
cis-1,3-Dichloropropene	PPBv	ND	12/30/05	TPH	1.0			
trans-1,3-Dichloropropene	PPBv	ND	12/30/05	TPH	1.0			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	12/30/05	TPH	1.0			
Ethanol	PPBv	6.3	12/30/05	TPH	1.0			

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12/30/2005
Page 5 of 26

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 12/15/2005
Field Sample #: INF

LIMS-BAT #: LIMS-93997
Job Number: 4972042034.4.6

Sample ID : 05B48737
Sampled : 12/13/2005
CT 1089

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	PPBv	ND	12/30/05	TPH	1.0		
Ethylbenzene	PPBv	ND	12/30/05	TPH	1.0		
4-Ethyl Toluene	PPBv	ND	12/30/05	TPH	1.0		
n-Heptane	PPBv	ND	12/30/05	TPH	1.0		
Hexachlorobutadiene	PPBv	ND	12/30/05	TPH	1.0		
Hexane	PPBv	ND	12/30/05	TPH	1.0		
2-Hexanone	PPBv	ND	12/30/05	TPH	1.0		
Isopropanol	PPBv	1.7	12/30/05	TPH	1.0		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	12/30/05	TPH	1.0		
Methylene Chloride	PPBv	ND	12/30/05	TPH	1.0		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	12/30/05	TPH	1.0		
Propene	PPBv	ND	12/30/05	TPH	1.0		
Styrene	PPBv	ND	12/30/05	TPH	1.0		
1,1,2,2-Tetrachloroethane	PPBv	ND	12/30/05	TPH	1.0		
Tetrachloroethylene	PPBv	130	12/30/05	TPH	1.0		
Tetrahydrofuran	PPBv	ND	12/30/05	TPH	1.0		
Toluene	PPBv	5.4	12/30/05	TPH	1.0		
1,2,4-Trichlorobenzene	PPBv	ND	12/30/05	TPH	1.0		
1,1,1-Trichloroethane	PPBv	ND	12/30/05	TPH	1.0		
1,1,2-Trichloroethane	PPBv	ND	12/30/05	TPH	1.0		
Trichloroethylene	PPBv	ND	12/30/05	TPH	1.0		
Trichlorofluoromethane (Freon 11)	PPBv	ND	12/30/05	TPH	1.0		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	12/30/05	TPH	1.0		
1,2,4-Trimethylbenzene	PPBv	ND	12/30/05	TPH	1.0		
1,3,5-Trimethylbenzene	PPBv	ND	12/30/05	TPH	1.0		
Vinyl Acetate	PPBv	ND	12/30/05	TPH	1.0		
Vinyl Chloride	PPBv	ND	12/30/05	TPH	1.0		
m/p-Xylene	PPBv	ND	12/30/05	TPH	2.0		
o-Xylene	PPBv	ND	12/30/05	TPH	1.0		

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* = See end of report for comments and notes applying to this sample



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PHOENIX, AZ 85040

12/30/2005
Page 6 of 26

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 12/15/2005
Field Sample #: INF

LIMS-BAT #: LIMS-93997
Job Number: 4972042034.4.6

Analytical Method:
EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

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* = See end of report for comments and notes applying to this sample



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JIM CLARKE
MACTEC ENGINEERING & CONSULTING - AZ
3630 EAST WIER AVENUE
PHOENIX, AZ 85040

Purchase Order No.:

12/30/2005
Page 7 of 26

Project Location: SOUTH MESA
Date Received: 12/15/2005
Field Sample #: INT

LIMS-BAT #: LIMS-93997
Job Number: 4972042034.4.6

Sample ID : 05B48738

Sampled : 12/13/2005
CT 1152

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	PPBv	8.3	12/30/05	TPH	1.0		
Benzene	PPBv	ND	12/30/05	TPH	1.0		
Benzyl Chloride	PPBv	ND	12/30/05	TPH	1.0		
Bromodichloromethane	PPBv	ND	12/30/05	TPH	1.0		
Bromomethane	PPBv	ND	12/30/05	TPH	1.0		
1,3-Butadiene	PPBv	ND	12/30/05	TPH	1.0		
2-Butanone (MEK)	PPBv	1.1	12/30/05	TPH	1.0		
Carbon Disulfide	PPBv	ND	12/30/05	TPH	1.0		
Carbon Tetrachloride	PPBv	ND	12/30/05	TPH	1.0		
Chlorobenzene	PPBv	ND	12/30/05	TPH	1.0		
Chlorodibromomethane	PPBv	ND	12/30/05	TPH	1.0		
Chloroethane	PPBv	ND	12/30/05	TPH	1.0		
Chloroform	PPBv	1.0	12/30/05	TPH	1.0		
Chloromethane	PPBv	ND	12/30/05	TPH	1.0		
Cyclohexane	PPBv	ND	12/30/05	TPH	1.0		
1,2-Dibromoethane	PPBv	ND	12/30/05	TPH	1.0		
1,2-Dichlorobenzene	PPBv	ND	12/30/05	TPH	1.0		
1,3-Dichlorobenzene	PPBv	ND	12/30/05	TPH	1.0		
1,4-Dichlorobenzene	PPBv	ND	12/30/05	TPH	1.0		
Dichlorodifluoromethane	PPBv	ND	12/30/05	TPH	1.0		
1,1-Dichloroethane	PPBv	2.1	12/30/05	TPH	1.0		
1,2-Dichloroethane	PPBv	ND	12/30/05	TPH	1.0		
1,1-Dichloroethylene	PPBv	1.5	12/30/05	TPH	1.0		
cis-1,2-Dichloroethylene	PPBv	1.1	12/30/05	TPH	1.0		
t-1,2-Dichloroethylene	PPBv	ND	12/30/05	TPH	1.0		
1,2-Dichloropropane	PPBv	ND	12/30/05	TPH	1.0		
cis-1,3-Dichloropropene	PPBv	ND	12/30/05	TPH	1.0		
trans-1,3-Dichloropropene	PPBv	ND	12/30/05	TPH	1.0		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	12/30/05	TPH	1.0		
Ethanol	PPBv	5.1	12/30/05	TPH	1.0		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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Purchase Order No.:

12/30/2005

Page 8 of 26

Project Location: SOUTH MESA

Date Received: 12/15/2005

Field Sample #: INT

LIMS-BAT #: LIMS-93997

Job Number: 4972042034.4.6

Sample ID : 05B48738

Sampled : 12/13/2005
CT 1152

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Ethyl Acetate	PPBv	ND	12/30/05	TPH	1.0			
Ethylbenzene	PPBv	ND	12/30/05	TPH	1.0			
4-Ethyl Toluene	PPBv	ND	12/30/05	TPH	1.0			
n-Heptane	PPBv	ND	12/30/05	TPH	1.0			
Hexachlorobutadiene	PPBv	ND	12/30/05	TPH	1.0			
Hexane	PPBv	ND	12/30/05	TPH	1.0			
2-Hexanone	PPBv	ND	12/30/05	TPH	1.0			
Isopropanol	PPBv	1.4	12/30/05	TPH	1.0			
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	12/30/05	TPH	1.0			
Methylene Chloride	PPBv	ND	12/30/05	TPH	1.0			
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	12/30/05	TPH	1.0			
Propene	PPBv	ND	12/30/05	TPH	1.0			
Styrene	PPBv	ND	12/30/05	TPH	1.0			
1,1,2,2-Tetrachloroethane	PPBv	ND	12/30/05	TPH	1.0			
Tetrachloroethylene	PPBv	54.	12/30/05	TPH	1.0			
Tetrahydrofuran	PPBv	ND	12/30/05	TPH	1.0			
Toluene	PPBv	ND	12/30/05	TPH	1.0			
1,2,4-Trichlorobenzene	PPBv	ND	12/30/05	TPH	1.0			
1,1,1-Trichloroethane	PPBv	ND	12/30/05	TPH	1.0			
1,1,2-Trichloroethane	PPBv	ND	12/30/05	TPH	1.0			
Trichloroethylene	PPBv	ND	12/30/05	TPH	1.0			
Trichlorofluoromethane (Freon 11)	PPBv	ND	12/30/05	TPH	1.0			
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	12/30/05	TPH	1.0			
1,2,4-Trimethylbenzene	PPBv	ND	12/30/05	TPH	1.0			
1,3,5-Trimethylbenzene	PPBv	ND	12/30/05	TPH	1.0			
Vinyl Acetate	PPBv	ND	12/30/05	TPH	1.0			
Vinyl Chloride	PPBv	ND	12/30/05	TPH	1.0			
m/p-Xylene	PPBv	ND	12/30/05	TPH	2.0			
o-Xylene	PPBv	ND	12/30/05	TPH	1.0			

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Purchase Order No.:

12/30/2005

Page 9 of 26

Project Location: SOUTH MESA

Date Received: 12/15/2005

LIMS-BAT #: LIMS-93997

Job Number: 4972042034.4.6

Field Sample #: INT

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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12/30/2005
Page 10 of 26

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 12/15/2005
Field Sample #: VW-7B

LIMS-BAT #: LIMS-93997
Job Number: 4972042034.4.6

Sample ID : 05B48740

Sampled : 12/13/2005
CT 1102

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	PPBv	10.	12/30/05	TPH	2.0			
Benzene	PPBv	ND	12/30/05	TPH	2.0			
Benzyl Chloride	PPBv	ND	12/30/05	TPH	2.0			
Bromodichloromethane	PPBv	4.9	12/30/05	TPH	2.0			
Bromomethane	PPBv	ND	12/30/05	TPH	2.0			
1,3-Butadiene	PPBv	ND	12/30/05	TPH	2.0			
2-Butanone (MEK)	PPBv	ND	12/30/05	TPH	2.0			
Carbon Disulfide	PPBv	ND	12/30/05	TPH	2.0			
Carbon Tetrachloride	PPBv	ND	12/30/05	TPH	2.0			
Chlorobenzene	PPBv	ND	12/30/05	TPH	2.0			
Chlorodibromomethane	PPBv	ND	12/30/05	TPH	2.0			
Chloroethane	PPBv	ND	12/30/05	TPH	2.0			
Chloroform	PPBv	9.5	12/30/05	TPH	2.0			
Chloromethane	PPBv	ND	12/30/05	TPH	2.0			
Cyclohexane	PPBv	ND	12/30/05	TPH	2.0			
1,2-Dibromoethane	PPBv	ND	12/30/05	TPH	2.0			
1,2-Dichlorobenzene	PPBv	ND	12/30/05	TPH	2.0			
1,3-Dichlorobenzene	PPBv	ND	12/30/05	TPH	2.0			
1,4-Dichlorobenzene	PPBv	ND	12/30/05	TPH	2.0			
Dichlorodifluoromethane	PPBv	4.2	12/30/05	TPH	2.0			
1,1-Dichloroethane	PPBv	29.	12/30/05	TPH	2.0			
1,2-Dichloroethane	PPBv	ND	12/30/05	TPH	2.0			
1,1-Dichloroethylene	PPBv	22.	12/30/05	TPH	2.0			
cis-1,2-Dichloroethylene	PPBv	12.	12/30/05	TPH	2.0			
t-1,2-Dichloroethylene	PPBv	ND	12/30/05	TPH	2.0			
1,2-Dichloropropane	PPBv	14.	12/30/05	TPH	2.0			
cis-1,3-Dichloropropene	PPBv	ND	12/30/05	TPH	2.0			
trans-1,3-Dichloropropene	PPBv	ND	12/30/05	TPH	2.0			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	12/30/05	TPH	2.0			
Ethanol	PPBv	5.0	12/30/05	TPH	2.0			

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12/30/2005
Page 11 of 26

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 12/15/2005
Field Sample #: VW-7B

LIMS-BAT #: LIMS-93997
Job Number: 4972042034.4.6

Sample ID : 05B48740

Sampled : 12/13/2005
CT 1102

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	PPBv	ND	12/30/05	TPH	2.0		
Ethylbenzene	PPBv	ND	12/30/05	TPH	2.0		
4-Ethyl Toluene	PPBv	ND	12/30/05	TPH	2.0		
n-Heptane	PPBv	ND	12/30/05	TPH	2.0		
Hexachlorobutadiene	PPBv	ND	12/30/05	TPH	2.0		
Hexane	PPBv	ND	12/30/05	TPH	2.0		
2-Hexanone	PPBv	ND	12/30/05	TPH	2.0		
Isopropanol	PPBv	ND	12/30/05	TPH	2.0		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	12/30/05	TPH	2.0		
Methylene Chloride	PPBv	ND	12/30/05	TPH	2.0		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	12/30/05	TPH	2.0		
Propene	PPBv	ND	12/30/05	TPH	2.0		
Styrene	PPBv	ND	12/30/05	TPH	2.0		
1,1,2,2-Tetrachloroethane	PPBv	ND	12/30/05	TPH	2.0		
Tetrachloroethylene	PPBv	1000	12/30/05	TPH	2.0		
Tetrahydrofuran	PPBv	ND	12/30/05	TPH	2.0		
Toluene	PPBv	ND	12/30/05	TPH	2.0		
1,2,4-Trichlorobenzene	PPBv	ND	12/30/05	TPH	2.0		
1,1,1-Trichloroethane	PPBv	ND	12/30/05	TPH	2.0		
1,1,2-Trichloroethane	PPBv	ND	12/30/05	TPH	2.0		
Trichloroethylene	PPBv	3.2	12/30/05	TPH	2.0		
Trichlorofluoromethane (Freon 11)	PPBv	6.2	12/30/05	TPH	2.0		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	12/30/05	TPH	2.0		
1,2,4-Trimethylbenzene	PPBv	ND	12/30/05	TPH	2.0		
1,3,5-Trimethylbenzene	PPBv	ND	12/30/05	TPH	2.0		
Vinyl Acetate	PPBv	ND	12/30/05	TPH	2.0		
Vinyl Chloride	PPBv	ND	12/30/05	TPH	2.0		
m/p-Xylene	PPBv	ND	12/30/05	TPH	4.0		
o-Xylene	PPBv	ND	12/30/05	TPH	2.0		

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Purchase Order No.:

12/30/2005

Page 12 of 26

Project Location: SOUTH MESA

Date Received: 12/15/2005

Field Sample #: VW-7B

LIMS-BAT #: LIMS-93997

Job Number: 4972042034.4.6

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Purchase Order No.:

12/30/2005

Page 13 of 26

Project Location: SOUTH MESA

Date Received: 12/15/2005

Field Sample #: EFF

LIMS-BAT #: LIMS-93997

Job Number: 4972042034.4.6

Sample ID: *05B48739

Sampled: 12/13/2005

CT 11455

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	11.	12/30/05	TPH	2.4		
Benzene	ug/m3	ND	12/30/05	TPH	3.2		
Benzyl Chloride	ug/m3	ND	12/30/05	TPH	5.2		
Bromodichloromethane	ug/m3	ND	12/30/05	TPH	6.8		
Bromomethane	ug/m3	ND	12/30/05	TPH	3.9		
1,3-Butadiene	ug/m3	ND	12/30/05	TPH	2.2		
2-Butanone (MEK)	ug/m3	ND	12/30/05	TPH	3.0		
Carbon Disulfide	ug/m3	ND	12/30/05	TPH	3.2		
Carbon Tetrachloride	ug/m3	ND	12/30/05	TPH	6.2		
Chlorobenzene	ug/m3	ND	12/30/05	TPH	4.6		
Chlorodibromomethane	ug/m3	ND	12/30/05	TPH	8.6		
Chloroethane	ug/m3	ND	12/30/05	TPH	2.6		
Chloroform	ug/m3	ND	12/30/05	TPH	4.9		
Chloromethane	ug/m3	ND	12/30/05	TPH	2.1		
Cyclohexane	ug/m3	ND	12/30/05	TPH	3.4		
1,2-Dibromoethane	ug/m3	ND	12/30/05	TPH	7.7		
1,2-Dichlorobenzene	ug/m3	ND	12/30/05	TPH	6.0		
1,3-Dichlorobenzene	ug/m3	ND	12/30/05	TPH	6.0		
1,4-Dichlorobenzene	ug/m3	ND	12/30/05	TPH	6.0		
Dichlorodifluoromethane	ug/m3	5.9	12/30/05	TPH	4.9		
1,1-Dichloroethane	ug/m3	4.9	12/30/05	TPH	4.0		
1,2-Dichloroethane	ug/m3	ND	12/30/05	TPH	4.0		
1,1-Dichloroethylene	ug/m3	4.0	12/30/05	TPH	4.0		
cis-1,2-Dichloroethylene	ug/m3	ND	12/30/05	TPH	4.0		
t-1,2-Dichloroethylene	ug/m3	ND	12/30/05	TPH	4.0		
1,2-Dichloropropane	ug/m3	ND	12/30/05	TPH	4.6		
cis-1,3-Dichloropropene	ug/m3	ND	12/30/05	TPH	4.5		
trans-1,3-Dichloropropene	ug/m3	ND	12/30/05	TPH	4.5		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	12/30/05	TPH	7.0		
Ethanol	ug/m3	6.3	12/30/05	TPH	1.8		

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12/30/2005
Page 14 of 26

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 12/15/2005
Field Sample #: EFF

LIMS-BAT #: LIMS-93997
Job Number: 4972042034.4.6

Sample ID : *05B48739

Sampled : 12/13/2005
CT 11455

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	12/30/05	TPH	3.6		
Ethylbenzene	ug/m3	ND	12/30/05	TPH	4.3		
4-Ethyl Toluene	ug/m3	ND	12/30/05	TPH	5.0		
n-Heptane	ug/m3	ND	12/30/05	TPH	4.0		
Hexachlorobutadiene	ug/m3	ND	12/30/05	TPH	11.		
Hexane	ug/m3	ND	12/30/05	TPH	3.6		
2-Hexanone	ug/m3	ND	12/30/05	TPH	4.0		
Isopropanol	ug/m3	ND	12/30/05	TPH	2.4		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	12/30/05	TPH	3.6		
Methylene Chloride	ug/m3	ND	12/30/05	TPH	3.5		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	12/30/05	TPH	4.0		
Propene	ug/m3	ND	12/30/05	TPH	1.8		
Styrene	ug/m3	ND	12/30/05	TPH	4.3		
1,1,2,2-Tetrachloroethane	ug/m3	ND	12/30/05	TPH	6.9		
Tetrachloroethylene	ug/m3	ND	12/30/05	TPH	6.8		
Tetrahydrofuran	ug/m3	ND	12/30/05	TPH	3.0		
Toluene	ug/m3	ND	12/30/05	TPH	3.8		
1,2,4-Trichlorobenzene	ug/m3	ND	12/30/05	TPH	7.4		
1,1,1-Trichloroethane	ug/m3	ND	12/30/05	TPH	5.5		
1,1,2-Trichloroethane	ug/m3	ND	12/30/05	TPH	5.5		
Trichloroethylene	ug/m3	ND	12/30/05	TPH	5.4		
Trichlorofluoromethane	ug/m3	ND	12/30/05	TPH	5.6		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	12/30/05	TPH	7.7		
1,2,4-Trimethylbenzene	ug/m3	ND	12/30/05	TPH	4.9		
1,3,5-Trimethylbenzene	ug/m3	ND	12/30/05	TPH	4.9		
Vinyl Acetate	ug/m3	ND	12/30/05	TPH	3.6		
Vinyl Chloride	ug/m3	ND	12/30/05	TPH	2.6		
m/p-Xylene	ug/m3	ND	12/30/05	TPH	8.7		
o-Xylene	ug/m3	ND	12/30/05	TPH	4.3		

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Purchase Order No.:

12/30/2005

Page 15 of 26

Project Location: SOUTH MESA

Date Received: 12/15/2005

LIMS-BAT #: LIMS-93997

Job Number: 4972042034.4.6

Field Sample #: EFF

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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ND = Not Detected at or above the Reporting Limit

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12/30/2005
Page 16 of 26

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 12/15/2005
Field Sample #: INF

LIMS-BAT #: LIMS-93997
Job Number: 4972042034.4.6

Sample ID : *05B48737

Sampled : 12/13/2005
CT 1089

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	19.	12/30/05	TPH	2.4		
Benzene	ug/m3	ND	12/30/05	TPH	3.2		
Benzyl Chloride	ug/m3	ND	12/30/05	TPH	5.2		
Bromodichloromethane	ug/m3	ND	12/30/05	TPH	6.8		
Bromomethane	ug/m3	ND	12/30/05	TPH	3.9		
1,3-Butadiene	ug/m3	ND	12/30/05	TPH	2.2		
2-Butanone (MEK)	ug/m3	4.0	12/30/05	TPH	3.0		
Carbon Disulfide	ug/m3	ND	12/30/05	TPH	3.2		
Carbon Tetrachloride	ug/m3	ND	12/30/05	TPH	6.2		
Chlorobenzene	ug/m3	ND	12/30/05	TPH	4.6		
Chlorodibromomethane	ug/m3	ND	12/30/05	TPH	8.6		
Chloroethane	ug/m3	ND	12/30/05	TPH	2.6		
Chloroform	ug/m3	ND	12/30/05	TPH	4.9		
Chloromethane	ug/m3	ND	12/30/05	TPH	2.1		
Cyclohexane	ug/m3	4.7	12/30/05	TPH	3.4		
1,2-Dibromoethane	ug/m3	ND	12/30/05	TPH	7.7		
1,2-Dichlorobenzene	ug/m3	ND	12/30/05	TPH	6.0		
1,3-Dichlorobenzene	ug/m3	ND	12/30/05	TPH	6.0		
1,4-Dichlorobenzene	ug/m3	ND	12/30/05	TPH	6.0		
Dichlorodifluoromethane	ug/m3	ND	12/30/05	TPH	4.9		
1,1-Dichloroethane	ug/m3	8.7	12/30/05	TPH	4.0		
1,2-Dichloroethane	ug/m3	ND	12/30/05	TPH	4.0		
1,1-Dichloroethylene	ug/m3	7.0	12/30/05	TPH	4.0		
cis-1,2-Dichloroethylene	ug/m3	4.1	12/30/05	TPH	4.0		
t-1,2-Dichloroethylene	ug/m3	ND	12/30/05	TPH	4.0		
1,2-Dichloropropane	ug/m3	5.6	12/30/05	TPH	4.6		
cis-1,3-Dichloropropene	ug/m3	ND	12/30/05	TPH	4.5		
trans-1,3-Dichloropropene	ug/m3	ND	12/30/05	TPH	4.5		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	12/30/05	TPH	7.0		
Ethanol	ug/m3	12.	12/30/05	TPH	1.8		

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

JIM CLARKE
MACTEC ENGINEERING & CONSULTING - AZ
3630 EAST WIER AVENUE
PHOENIX, AZ 85040

12/30/2005
Page 19 of 26

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 12/15/2005
Field Sample #: INT

LIMS-BAT #: LIMS-93997
Job Number: 4972042034.4.6

Sample ID : *05B48738

Sampled : 12/13/2005
CT 1152

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	20.	12/30/05	TPH	2.4		
Benzene	ug/m3	ND	12/30/05	TPH	3.2		
Benzyl Chloride	ug/m3	ND	12/30/05	TPH	5.2		
Bromodichloromethane	ug/m3	ND	12/30/05	TPH	6.8		
Bromomethane	ug/m3	ND	12/30/05	TPH	3.9		
1,3-Butadiene	ug/m3	ND	12/30/05	TPH	2.2		
2-Butanone (MEK)	ug/m3	3.4	12/30/05	TPH	3.0		
Carbon Disulfide	ug/m3	ND	12/30/05	TPH	3.2		
Carbon Tetrachloride	ug/m3	ND	12/30/05	TPH	6.2		
Chlorobenzene	ug/m3	ND	12/30/05	TPH	4.6		
Chlorodibromomethane	ug/m3	ND	12/30/05	TPH	8.6		
Chloroethane	ug/m3	ND	12/30/05	TPH	2.6		
Chloroform	ug/m3	5.1	12/30/05	TPH	4.9		
Chloromethane	ug/m3	ND	12/30/05	TPH	2.1		
Cyclohexane	ug/m3	ND	12/30/05	TPH	3.4		
1,2-Dibromoethane	ug/m3	ND	12/30/05	TPH	7.7		
1,2-Dichlorobenzene	ug/m3	ND	12/30/05	TPH	6.0		
1,3-Dichlorobenzene	ug/m3	ND	12/30/05	TPH	6.0		
1,4-Dichlorobenzene	ug/m3	ND	12/30/05	TPH	6.0		
Dichlorodifluoromethane	ug/m3	ND	12/30/05	TPH	4.9		
1,1-Dichloroethane	ug/m3	8.7	12/30/05	TPH	4.0		
1,2-Dichloroethane	ug/m3	ND	12/30/05	TPH	4.0		
1,1-Dichloroethylene	ug/m3	6.1	12/30/05	TPH	4.0		
cis-1,2-Dichloroethylene	ug/m3	4.5	12/30/05	TPH	4.0		
t-1,2-Dichloroethylene	ug/m3	ND	12/30/05	TPH	4.0		
1,2-Dichloropropane	ug/m3	ND	12/30/05	TPH	4.6		
cis-1,3-Dichloropropene	ug/m3	ND	12/30/05	TPH	4.5		
trans-1,3-Dichloropropene	ug/m3	ND	12/30/05	TPH	4.5		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	12/30/05	TPH	7.0		
Ethanol	ug/m3	9.7	12/30/05	TPH	1.8		

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12/30/2005
Page 20 of 26

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 12/15/2005
Field Sample #: INT

LIMS-BAT #: LIMS-93997
Job Number: 4972042034.4.6

Sample ID : *05B48738

Sampled : 12/13/2005
CT 1152

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Ethyl Acetate	ug/m3	ND	12/30/05	TPH	3.6			
Ethylbenzene	ug/m3	ND	12/30/05	TPH	4.3			
4-Ethyl Toluene	ug/m3	ND	12/30/05	TPH	5.0			
n-Heptane	ug/m3	ND	12/30/05	TPH	4.0			
Hexachlorobutadiene	ug/m3	ND	12/30/05	TPH	11.			
Hexane	ug/m3	ND	12/30/05	TPH	3.6			
2-Hexanone	ug/m3	ND	12/30/05	TPH	4.0			
Isopropanol	ug/m3	3.3	12/30/05	TPH	2.4			
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	12/30/05	TPH	3.6			
Methylene Chloride	ug/m3	ND	12/30/05	TPH	3.5			
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	12/30/05	TPH	4.0			
Propene	ug/m3	ND	12/30/05	TPH	1.8			
Styrene	ug/m3	ND	12/30/05	TPH	4.3			
1,1,2,2-Tetrachloroethane	ug/m3	ND	12/30/05	TPH	6.9			
Tetrachloroethylene	ug/m3	360.	12/30/05	TPH	6.8			
Tetrahydrofuran	ug/m3	ND	12/30/05	TPH	3.0			
Toluene	ug/m3	ND	12/30/05	TPH	3.8			
1,2,4-Trichlorobenzene	ug/m3	ND	12/30/05	TPH	7.4			
1,1,1-Trichloroethane	ug/m3	ND	12/30/05	TPH	5.5			
1,1,2-Trichloroethane	ug/m3	ND	12/30/05	TPH	5.5			
Trichloroethylene	ug/m3	ND	12/30/05	TPH	5.4			
Trichlorofluoromethane	ug/m3	ND	12/30/05	TPH	5.6			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	12/30/05	TPH	7.7			
1,2,4-Trimethylbenzene	ug/m3	ND	12/30/05	TPH	4.9			
1,3,5-Trimethylbenzene	ug/m3	ND	12/30/05	TPH	4.9			
Vinyl Acetate	ug/m3	ND	12/30/05	TPH	3.6			
Vinyl Chloride	ug/m3	ND	12/30/05	TPH	2.6			
m/p-Xylene	ug/m3	ND	12/30/05	TPH	8.7			
o-Xylene	ug/m3	ND	12/30/05	TPH	4.3			

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Purchase Order No.:

12/30/2005

Page 21 of 26

Project Location: SOUTH MESA

Date Received: 12/15/2005

Field Sample #: INT

LIMS-BAT #: LIMS-93997

Job Number: 4972042034.4.6

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Purchase Order No.:

12/30/2005

Page 22 of 26

Project Location: SOUTH MESA

Date Received: 12/15/2005

Field Sample #: VW-7B

LIMS-BAT #: LIMS-93997

Job Number: 4972042034.4.6

Sample ID: *05B48740

Sampled: 12/13/2005

CT 1102

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	ug/m3	24.	12/30/05	TPH	4.8			
Benzene	ug/m3	ND	12/30/05	TPH	6.4			
Benzyl Chloride	ug/m3	ND	12/30/05	TPH	10.			
Bromodichloromethane	ug/m3	33.	12/30/05	TPH	14.			
Bromomethane	ug/m3	ND	12/30/05	TPH	7.8			
1,3-Butadiene	ug/m3	ND	12/30/05	TPH	4.4			
2-Butanone (MEK)	ug/m3	ND	12/30/05	TPH	6.0			
Carbon Disulfide	ug/m3	ND	12/30/05	TPH	6.4			
Carbon Tetrachloride	ug/m3	ND	12/30/05	TPH	12.			
Chlorobenzene	ug/m3	ND	12/30/05	TPH	9.2			
Chlorodibromomethane	ug/m3	ND	12/30/05	TPH	17.			
Chloroethane	ug/m3	ND	12/30/05	TPH	5.3			
Chloroform	ug/m3	46.	12/30/05	TPH	9.7			
Chloromethane	ug/m3	ND	12/30/05	TPH	4.1			
Cyclohexane	ug/m3	ND	12/30/05	TPH	6.8			
1,2-Dibromoethane	ug/m3	ND	12/30/05	TPH	15.			
1,2-Dichlorobenzene	ug/m3	ND	12/30/05	TPH	12.			
1,3-Dichlorobenzene	ug/m3	ND	12/30/05	TPH	12.			
1,4-Dichlorobenzene	ug/m3	ND	12/30/05	TPH	12.			
Dichlorodifluoromethane	ug/m3	21.	12/30/05	TPH	9.9			
1,1-Dichloroethane	ug/m3	120.	12/30/05	TPH	8.1			
1,2-Dichloroethane	ug/m3	ND	12/30/05	TPH	8.1			
1,1-Dichloroethylene	ug/m3	87.	12/30/05	TPH	7.9			
cis-1,2-Dichloroethylene	ug/m3	46.	12/30/05	TPH	7.9			
t-1,2-Dichloroethylene	ug/m3	ND	12/30/05	TPH	8.0			
1,2-Dichloropropane	ug/m3	65.	12/30/05	TPH	9.2			
cis-1,3-Dichloropropene	ug/m3	ND	12/30/05	TPH	9.1			
trans-1,3-Dichloropropene	ug/m3	ND	12/30/05	TPH	9.1			
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	12/30/05	TPH	14.			
Ethanol	ug/m3	9.3	12/30/05	TPH	3.6			

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PHOENIX, AZ 85040

Purchase Order No.:

12/30/2005

Page 23 of 26

Project Location: SOUTH MESA

Date Received: 12/15/2005

Field Sample #: VW-7B

LIMS-BAT #: LIMS-93997

Job Number: 4972042034.4.6

Sample ID: *05B48740

Sampled: 12/13/2005

CT 1102

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Ethyl Acetate	ug/m3	ND	12/30/05	TPH	7.2		
Ethylbenzene	ug/m3	ND	12/30/05	TPH	8.7		
4-Ethyl Toluene	ug/m3	ND	12/30/05	TPH	10.		
n-Heptane	ug/m3	ND	12/30/05	TPH	8.0		
Hexachlorobutadiene	ug/m3	ND	12/30/05	TPH	21.		
Hexane	ug/m3	ND	12/30/05	TPH	7.2		
2-Hexanone	ug/m3	ND	12/30/05	TPH	8.0		
Isopropanol	ug/m3	ND	12/30/05	TPH	4.8		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	12/30/05	TPH	7.2		
Methylene Chloride	ug/m3	ND	12/30/05	TPH	7.0		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	12/30/05	TPH	8.0		
Propene	ug/m3	ND	12/30/05	TPH	3.6		
Styrene	ug/m3	ND	12/30/05	TPH	8.5		
1,1,2,2-Tetrachloroethane	ug/m3	ND	12/30/05	TPH	14.		
Tetrachloroethylene	ug/m3	6700	12/30/05	TPH	14.		
Tetrahydrofuran	ug/m3	ND	12/30/05	TPH	6.0		
Toluene	ug/m3	ND	12/30/05	TPH	7.5		
1,2,4-Trichlorobenzene	ug/m3	ND	12/30/05	TPH	15.		
1,1,1-Trichloroethane	ug/m3	ND	12/30/05	TPH	11.		
1,1,2-Trichloroethane	ug/m3	ND	12/30/05	TPH	11.		
Trichloroethylene	ug/m3	17.	12/30/05	TPH	11.		
Trichlorofluoromethane	ug/m3	35.	12/30/05	TPH	11.		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	12/30/05	TPH	15.		
1,2,4-Trimethylbenzene	ug/m3	ND	12/30/05	TPH	9.8		
1,3,5-Trimethylbenzene	ug/m3	ND	12/30/05	TPH	9.8		
Vinyl Acetate	ug/m3	ND	12/30/05	TPH	7.2		
Vinyl Chloride	ug/m3	ND	12/30/05	TPH	5.1		
m/p-Xylene	ug/m3	ND	12/30/05	TPH	17.		
o-Xylene	ug/m3	ND	12/30/05	TPH	8.7		

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Purchase Order No.:

12/30/2005

Page 24 of 26

Project Location: SOUTH MESA

Date Received: 12/15/2005

Field Sample #: VW-7B

LIMS-BAT #: LIMS-93997

Job Number: 4972042034.4.6

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Purchase Order No.:

12/30/2005

Page 25 of 26

Project Location: SOUTH MESA

Date Received: 12/15/2005

LIMS-BAT #: LIMS-93997

Job Number: 4972042034.4.6

The following notes were attached to the reported analysis :

Sample ID: * 05B48737

Analysis: Hexachlorobutadiene

REPORTED RESULT IS ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION
DID NOT MEET REQUIRED CRITERIA.

Sample ID: * 05B48737

Analysis: 1,2,4-Trichlorobenzene

REPORTED RESULT IS ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION
DID NOT MEET REQUIRED CRITERIA.

Sample ID: * 05B48738

Analysis: Hexachlorobutadiene

REPORTED RESULT IS ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION
DID NOT MEET REQUIRED CRITERIA.

Sample ID: * 05B48738

Analysis: 1,2,4-Trichlorobenzene

REPORTED RESULT IS ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION
DID NOT MEET REQUIRED CRITERIA.

Sample ID: * 05B48739

Analysis: Hexachlorobutadiene

REPORTED RESULT IS ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION
DID NOT MEET REQUIRED CRITERIA.

Sample ID: * 05B48739

Analysis: 1,2,4-Trichlorobenzene

REPORTED RESULT IS ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION
DID NOT MEET REQUIRED CRITERIA.

Sample ID: * 05B48740

Analysis: Hexachlorobutadiene

REPORTED RESULT IS ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION
DID NOT MEET REQUIRED CRITERIA.

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12/30/2005
Page 26 of 26

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 12/15/2005

LIMS-BAT #: LIMS-93997
Job Number: 4972042034.4.6

Sample ID: * 05B48740
Analysis: 1,2,4-Trichlorobenzene

REPORTED RESULT IS ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION
DID NOT MEET REQUIRED CRITERIA.

** END OF REPORT **

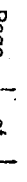
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100

<div style="text-align: right;"> <u>Client</u> <u>Comments:</u> </div>	<div style="text-align: right;"> <u>Comments:</u> </div>
---	--

100

**Preservation Codes:

PLEASE

11

HC

 $M = Me$

2

NIT

S
= Sulfur

B = Soc

0 = 0th

2:00 p.m.

and web



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REPORT DATE 12/30/2005

MACTEC ENGINEERING & CONSULTING - AZ
3630 EAST WIER AVENUE
PHOENIX, AZ 85040
ATTN: JIM CLARKE

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-93997
JOB NUMBER: 4972042034.4.6

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: SOUTH MESA

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST
EFF	05B48739	AIR	CT 11455	to-15 ppbv
EFF	05B48739	AIR	CT 11455	to-15 ug/m3
INF	05B48737	AIR	CT 1089	to-15 ppbv
INF	05B48737	AIR	CT 1089	to-15 ug/m3
INT	05B48738	AIR	CT 1152	to-15 ppbv
INT	05B48738	AIR	CT 1152	to-15 ug/m3
VW-7B	05B48740	AIR	CT 1102	to-15 ppbv
VW-7B	05B48740	AIR	CT 1102	to-15 ug/m3

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations :

AIHA 100033	AIHA ELLAP (LEAD) 100033	
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	ARIZONA AZ0648
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	ARIZONA AZ0654 (AIR)

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Sondra L. Slesinski 12/30/05
SIGNATURE DATE

Tod Kopyscinski
Director of Operations

Sondra L. Slesinski
Quality Control Coordinator

Edward Denson
Technical Director

JIM CLARKE
 MACTEC ENGINEERING & CONSULTING - AZ
 3630 EAST WIER AVENUE
 PHOENIX, AZ 85040

12/30/2005
 Page 1 of 26

Purchase Order No.:

Project Location: SOUTH MESA
 Date Received: 12/15/2005
 Field Sample #: EFF

LIMS-BAT #: LIMS-93997
 Job Number: 4972042034.4.6

Sample ID : 05B48739

Sampled : 12/13/2005
 CT 11455

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	PPBv	4.8	12/30/05	TPH	1.0		
Benzene	PPBv	ND	12/30/05	TPH	1.0		
Benzyl Chloride	PPBv	ND	12/30/05	TPH	1.0		
Bromodichloromethane	PPBv	ND	12/30/05	TPH	1.0		
Bromomethane	PPBv	ND	12/30/05	TPH	1.0		
1,3-Butadiene	PPBv	ND	12/30/05	TPH	1.0		
2-Butanone (MEK)	PPBv	ND	12/30/05	TPH	1.0		
Carbon Disulfide	PPBv	ND	12/30/05	TPH	1.0		
Carbon Tetrachloride	PPBv	ND	12/30/05	TPH	1.0		
Chlorobenzene	PPBv	ND	12/30/05	TPH	1.0		
Chlorodibromomethane	PPBv	ND	12/30/05	TPH	1.0		
Chloroethane	PPBv	ND	12/30/05	TPH	1.0		
Chloroform	PPBv	ND	12/30/05	TPH	1.0		
Chloromethane	PPBv	ND	12/30/05	TPH	1.0		
Cyclohexane	PPBv	ND	12/30/05	TPH	1.0		
1,2-Dibromoethane	PPBv	ND	12/30/05	TPH	1.0		
1,2-Dichlorobenzene	PPBv	ND	12/30/05	TPH	1.0		
1,3-Dichlorobenzene	PPBv	ND	12/30/05	TPH	1.0		
1,4-Dichlorobenzene	PPBv	ND	12/30/05	TPH	1.0		
Dichlorodifluoromethane	PPBv	1.2	12/30/05	TPH	1.0		
1,1-Dichloroethane	PPBv	1.2	12/30/05	TPH	1.0		
1,2-Dichloroethane	PPBv	ND	12/30/05	TPH	1.0		
1,1-Dichloroethylene	PPBv	1.0	12/30/05	TPH	1.0		
cis-1,2-Dichloroethylene	PPBv	ND	12/30/05	TPH	1.0		
t-1,2-Dichloroethylene	PPBv	ND	12/30/05	TPH	1.0		
1,2-Dichloropropane	PPBv	ND	12/30/05	TPH	1.0		
cis-1,3-Dichloropropene	PPBv	ND	12/30/05	TPH	1.0		
trans-1,3-Dichloropropene	PPBv	ND	12/30/05	TPH	1.0		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	12/30/05	TPH	1.0		
Ethanol	PPBv	3.3	12/30/05	TPH	1.0		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

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12/30/2005
Page 2 of 26

Purchase Order No.:

Project Location: SOUTH MESA

LIMS-BAT #: LIMS-93997

Date Received: 12/15/2005

Job Number: 4972042034.4.6

Field Sample #: EFF

Sample ID: 05B48739

Sampled: 12/13/2005

CT 11455

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Ethyl Acetate	PPBv	ND	12/30/05	TPH	1.0			
Ethylbenzene	PPBv	ND	12/30/05	TPH	1.0			
4-Ethyl Toluene	PPBv	ND	12/30/05	TPH	1.0			
n-Heptane	PPBv	ND	12/30/05	TPH	1.0			
Hexachlorobutadiene	PPBv	ND	12/30/05	TPH	1.0			
Hexane	PPBv	ND	12/30/05	TPH	1.0			
2-Hexanone	PPBv	ND	12/30/05	TPH	1.0			
Isopropanol	PPBv	ND	12/30/05	TPH	1.0			
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	12/30/05	TPH	1.0			
Methylene Chloride	PPBv	ND	12/30/05	TPH	1.0			
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	12/30/05	TPH	1.0			
Propene	PPBv	ND	12/30/05	TPH	1.0			
Styrene	PPBv	ND	12/30/05	TPH	1.0			
1,1,2,2-Tetrachloroethane	PPBv	ND	12/30/05	TPH	1.0			
Tetrachloroethylene	PPBv	ND	12/30/05	TPH	1.0			
Tetrahydrofuran	PPBv	ND	12/30/05	TPH	1.0			
Toluene	PPBv	ND	12/30/05	TPH	1.0			
1,2,4-Trichlorobenzene	PPBv	ND	12/30/05	TPH	1.0			
1,1,1-Trichloroethane	PPBv	ND	12/30/05	TPH	1.0			
1,1,2-Trichloroethane	PPBv	ND	12/30/05	TPH	1.0			
Trichloroethylene	PPBv	ND	12/30/05	TPH	1.0			
Trichlorofluoromethane (Freon 11)	PPBv	ND	12/30/05	TPH	1.0			
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	12/30/05	TPH	1.0			
1,2,4-Trimethylbenzene	PPBv	ND	12/30/05	TPH	1.0			
1,3,5-Trimethylbenzene	PPBv	ND	12/30/05	TPH	1.0			
Vinyl Acetate	PPBv	ND	12/30/05	TPH	1.0			
Vinyl Chloride	PPBv	ND	12/30/05	TPH	1.0			
m/p-Xylene	PPBv	ND	12/30/05	TPH	2.0			
o-Xylene	PPBv	ND	12/30/05	TPH	1.0			

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Purchase Order No.:

12/30/2005

Page 3 of 26

Project Location: SOUTH MESA

Date Received: 12/15/2005

Field Sample #: EFF

LIMS-BAT #: LIMS-93997

Job Number: 4972042034.4.6

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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Purchase Order No.:

12/30/2005

Page 4 of 26

Project Location: SOUTH MESA

Date Received: 12/15/2005

Field Sample #: INF

LIMS-BAT #: LIMS-93997

Job Number: 4972042034.4.6

Sample ID: 05B48737

Sampled: 12/13/2005
CT 1089

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	PPBv	8.0	12/30/05	TPH	1.0		
Benzene	PPBv	ND	12/30/05	TPH	1.0		
Benzyl Chloride	PPBv	ND	12/30/05	TPH	1.0		
Bromodichloromethane	PPBv	ND	12/30/05	TPH	1.0		
Bromomethane	PPBv	ND	12/30/05	TPH	1.0		
1,3-Butadiene	PPBv	ND	12/30/05	TPH	1.0		
2-Butanone (MEK)	PPBv	1.4	12/30/05	TPH	1.0		
Carbon Disulfide	PPBv	ND	12/30/05	TPH	1.0		
Carbon Tetrachloride	PPBv	ND	12/30/05	TPH	1.0		
Chlorobenzene	PPBv	ND	12/30/05	TPH	1.0		
Chlorodibromomethane	PPBv	ND	12/30/05	TPH	1.0		
Chloroethane	PPBv	ND	12/30/05	TPH	1.0		
Chloroform	PPBv	ND	12/30/05	TPH	1.0		
Chloromethane	PPBv	ND	12/30/05	TPH	1.0		
Cyclohexane	PPBv	1.4	12/30/05	TPH	1.0		
1,2-Dibromoethane	PPBv	ND	12/30/05	TPH	1.0		
1,2-Dichlorobenzene	PPBv	ND	12/30/05	TPH	1.0		
1,3-Dichlorobenzene	PPBv	ND	12/30/05	TPH	1.0		
1,4-Dichlorobenzene	PPBv	ND	12/30/05	TPH	1.0		
Dichlorodifluoromethane	PPBv	ND	12/30/05	TPH	1.0		
1,1-Dichloroethane	PPBv	2.2	12/30/05	TPH	1.0		
1,2-Dichloroethane	PPBv	ND	12/30/05	TPH	1.0		
1,1-Dichloroethylene	PPBv	1.8	12/30/05	TPH	1.0		
cis-1,2-Dichloroethylene	PPBv	1.0	12/30/05	TPH	1.0		
t-1,2-Dichloroethylene	PPBv	ND	12/30/05	TPH	1.0		
1,2-Dichloropropane	PPBv	1.2	12/30/05	TPH	1.0		
cis-1,3-Dichloropropene	PPBv	ND	12/30/05	TPH	1.0		
trans-1,3-Dichloropropene	PPBv	ND	12/30/05	TPH	1.0		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	12/30/05	TPH	1.0		
Ethanol	PPBv	6.3	12/30/05	TPH	1.0		

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12/30/2005
Page 5 of 26

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 12/15/2005
Field Sample #: INF

LIMS-BAT #: LIMS-93997
Job Number: 4972042034.4.6

Sample ID : 05B48737
Sampled : 12/13/2005
CT 1089

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	PPBv	ND	12/30/05	TPH	1.0		
Ethylbenzene	PPBv	ND	12/30/05	TPH	1.0		
4-Ethyl Toluene	PPBv	ND	12/30/05	TPH	1.0		
n-Heptane	PPBv	ND	12/30/05	TPH	1.0		
Hexachlorobutadiene	PPBv	ND	12/30/05	TPH	1.0		
Hexane	PPBv	ND	12/30/05	TPH	1.0		
2-Hexanone	PPBv	ND	12/30/05	TPH	1.0		
Isopropanol	PPBv	1.7	12/30/05	TPH	1.0		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	12/30/05	TPH	1.0		
Methylene Chloride	PPBv	ND	12/30/05	TPH	1.0		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	12/30/05	TPH	1.0		
Propene	PPBv	ND	12/30/05	TPH	1.0		
Styrene	PPBv	ND	12/30/05	TPH	1.0		
1,1,2,2-Tetrachloroethane	PPBv	ND	12/30/05	TPH	1.0		
Tetrachloroethylene	PPBv	130	12/30/05	TPH	1.0		
Tetrahydrofuran	PPBv	ND	12/30/05	TPH	1.0		
Toluene	PPBv	5.4	12/30/05	TPH	1.0		
1,2,4-Trichlorobenzene	PPBv	ND	12/30/05	TPH	1.0		
1,1,1-Trichloroethane	PPBv	ND	12/30/05	TPH	1.0		
1,1,2-Trichloroethane	PPBv	ND	12/30/05	TPH	1.0		
Trichloroethylene	PPBv	ND	12/30/05	TPH	1.0		
Trichlorofluoromethane (Freon 11)	PPBv	ND	12/30/05	TPH	1.0		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	12/30/05	TPH	1.0		
1,2,4-Trimethylbenzene	PPBv	ND	12/30/05	TPH	1.0		
1,3,5-Trimethylbenzene	PPBv	ND	12/30/05	TPH	1.0		
Vinyl Acetate	PPBv	ND	12/30/05	TPH	1.0		
Vinyl Chloride	PPBv	ND	12/30/05	TPH	1.0		
m/p-Xylene	PPBv	ND	12/30/05	TPH	2.0		
o-Xylene	PPBv	ND	12/30/05	TPH	1.0		

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Purchase Order No.:

12/30/2005

Page 6 of 26

Project Location: SOUTH MESA

Date Received: 12/15/2005

LIMS-BAT #: LIMS-93997

Job Number: 4972042034.4.6

Field Sample #: INF

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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ND = Not Detected at or above the Reporting Limit

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12/30/2005
 Page 7 of 26

Purchase Order No.:

Project Location: SOUTH MESA
 Date Received: 12/15/2005
 Field Sample #: INT

LIMS-BAT #: LIMS-93997
 Job Number: 4972042034.4.6

Sample ID : 05B48738

Sampled : 12/13/2005
 CT 1152

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Acetone	PPBv	8.3	12/30/05	TPH	1.0		
Benzene	PPBv	ND	12/30/05	TPH	1.0		
Benzyl Chloride	PPBv	ND	12/30/05	TPH	1.0		
Bromodichloromethane	PPBv	ND	12/30/05	TPH	1.0		
Bromomethane	PPBv	ND	12/30/05	TPH	1.0		
1,3-Butadiene	PPBv	ND	12/30/05	TPH	1.0		
2-Butanone (MEK)	PPBv	1.1	12/30/05	TPH	1.0		
Carbon Disulfide	PPBv	ND	12/30/05	TPH	1.0		
Carbon Tetrachloride	PPBv	ND	12/30/05	TPH	1.0		
Chlorobenzene	PPBv	ND	12/30/05	TPH	1.0		
Chlorodibromomethane	PPBv	ND	12/30/05	TPH	1.0		
Chloroethane	PPBv	ND	12/30/05	TPH	1.0		
Chloroform	PPBv	1.0	12/30/05	TPH	1.0		
Chloromethane	PPBv	ND	12/30/05	TPH	1.0		
Cyclohexane	PPBv	ND	12/30/05	TPH	1.0		
1,2-Dibromoethane	PPBv	ND	12/30/05	TPH	1.0		
1,2-Dichlorobenzene	PPBv	ND	12/30/05	TPH	1.0		
1,3-Dichlorobenzene	PPBv	ND	12/30/05	TPH	1.0		
1,4-Dichlorobenzene	PPBv	ND	12/30/05	TPH	1.0		
Dichlorodifluoromethane	PPBv	ND	12/30/05	TPH	1.0		
1,1-Dichloroethane	PPBv	2.1	12/30/05	TPH	1.0		
1,2-Dichloroethane	PPBv	ND	12/30/05	TPH	1.0		
1,1-Dichloroethylene	PPBv	1.5	12/30/05	TPH	1.0		
cis-1,2-Dichloroethylene	PPBv	1.1	12/30/05	TPH	1.0		
t-1,2-Dichloroethylene	PPBv	ND	12/30/05	TPH	1.0		
1,2-Dichloropropane	PPBv	ND	12/30/05	TPH	1.0		
cis-1,3-Dichloropropene	PPBv	ND	12/30/05	TPH	1.0		
trans-1,3-Dichloropropene	PPBv	ND	12/30/05	TPH	1.0		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	12/30/05	TPH	1.0		
Ethanol	PPBv	5.1	12/30/05	TPH	1.0		

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* = See end of report for comments and notes applying to this sample



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Purchase Order No.:

12/30/2005

Page 8 of 26

Project Location: SOUTH MESA

Date Received: 12/15/2005

Field Sample #: INT

LIMS-BAT #: LIMS-93997

Job Number: 4972042034.4.6

Sample ID: 05B48738

Sampled: 12/13/2005
CT 1152

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	PPBv	ND	12/30/05	TPH	1.0		
Ethylbenzene	PPBv	ND	12/30/05	TPH	1.0		
4-Ethyl Toluene	PPBv	ND	12/30/05	TPH	1.0		
n-Heptane	PPBv	ND	12/30/05	TPH	1.0		
Hexachlorobutadiene	PPBv	ND	12/30/05	TPH	1.0		
Hexane	PPBv	ND	12/30/05	TPH	1.0		
2-Hexanone	PPBv	ND	12/30/05	TPH	1.0		
Isopropanol	PPBv	1.4	12/30/05	TPH	1.0		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	12/30/05	TPH	1.0		
Methylene Chloride	PPBv	ND	12/30/05	TPH	1.0		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	12/30/05	TPH	1.0		
Propene	PPBv	ND	12/30/05	TPH	1.0		
Styrene	PPBv	ND	12/30/05	TPH	1.0		
1,1,2,2-Tetrachloroethane	PPBv	ND	12/30/05	TPH	1.0		
Tetrachloroethylene	PPBv	54.	12/30/05	TPH	1.0		
Tetrahydrofuran	PPBv	ND	12/30/05	TPH	1.0		
Toluene	PPBv	ND	12/30/05	TPH	1.0		
1,2,4-Trichlorobenzene	PPBv	ND	12/30/05	TPH	1.0		
1,1,1-Trichloroethane	PPBv	ND	12/30/05	TPH	1.0		
1,1,2-Trichloroethane	PPBv	ND	12/30/05	TPH	1.0		
Trichloroethylene	PPBv	ND	12/30/05	TPH	1.0		
Trichlorofluoromethane (Freon 11)	PPBv	ND	12/30/05	TPH	1.0		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	12/30/05	TPH	1.0		
1,2,4-Trimethylbenzene	PPBv	ND	12/30/05	TPH	1.0		
1,3,5-Trimethylbenzene	PPBv	ND	12/30/05	TPH	1.0		
Vinyl Acetate	PPBv	ND	12/30/05	TPH	1.0		
Vinyl Chloride	PPBv	ND	12/30/05	TPH	1.0		
m/p-Xylene	PPBv	ND	12/30/05	TPH	2.0		
o-Xylene	PPBv	ND	12/30/05	TPH	1.0		

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* = See end of report for comments and notes applying to this sample

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Purchase Order No.:

12/30/2005

Page 9 of 26

Project Location: SOUTH MESA

Date Received: 12/15/2005

Field Sample #: INT

LIMS-BAT #: LIMS-93997

Job Number: 4972042034.4.6

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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Purchase Order No.:

12/30/2005

Page 10 of 26

Project Location: SOUTH MESA

Date Received: 12/15/2005

Field Sample #: VW-7B

LIMS-BAT #: LIMS-93997

Job Number: 4972042034.4.6

Sample ID: 05B48740

Sampled: 12/13/2005
CT 1102

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	PPBv	10.	12/30/05	TPH	2.0		
Benzene	PPBv	ND	12/30/05	TPH	2.0		
Benzyl Chloride	PPBv	ND	12/30/05	TPH	2.0		
Bromodichloromethane	PPBv	4.9	12/30/05	TPH	2.0		
Bromomethane	PPBv	ND	12/30/05	TPH	2.0		
1,3-Butadiene	PPBv	ND	12/30/05	TPH	2.0		
2-Butanone (MEK)	PPBv	ND	12/30/05	TPH	2.0		
Carbon Disulfide	PPBv	ND	12/30/05	TPH	2.0		
Carbon Tetrachloride	PPBv	ND	12/30/05	TPH	2.0		
Chlorobenzene	PPBv	ND	12/30/05	TPH	2.0		
Chlorodibromomethane	PPBv	ND	12/30/05	TPH	2.0		
Chloroethane	PPBv	ND	12/30/05	TPH	2.0		
Chloroform	PPBv	9.5	12/30/05	TPH	2.0		
Chloromethane	PPBv	ND	12/30/05	TPH	2.0		
Cyclohexane	PPBv	ND	12/30/05	TPH	2.0		
1,2-Dibromoethane	PPBv	ND	12/30/05	TPH	2.0		
1,2-Dichlorobenzene	PPBv	ND	12/30/05	TPH	2.0		
1,3-Dichlorobenzene	PPBv	ND	12/30/05	TPH	2.0		
1,4-Dichlorobenzene	PPBv	ND	12/30/05	TPH	2.0		
Dichlorodifluoromethane	PPBv	4.2	12/30/05	TPH	2.0		
1,1-Dichloroethane	PPBv	29.	12/30/05	TPH	2.0		
1,2-Dichloroethane	PPBv	ND	12/30/05	TPH	2.0		
1,1-Dichloroethylene	PPBv	22.	12/30/05	TPH	2.0		
cis-1,2-Dichloroethylene	PPBv	12.	12/30/05	TPH	2.0		
t-1,2-Dichloroethylene	PPBv	ND	12/30/05	TPH	2.0		
1,2-Dichloropropane	PPBv	14.	12/30/05	TPH	2.0		
cis-1,3-Dichloropropene	PPBv	ND	12/30/05	TPH	2.0		
trans-1,3-Dichloropropene	PPBv	ND	12/30/05	TPH	2.0		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	12/30/05	TPH	2.0		
Ethanol	PPBv	5.0	12/30/05	TPH	2.0		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



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PHOENIX, AZ 85040

12/30/2005
Page 11 of 26

Purchase Order No.:

Project Location: SOUTH MESA

Date Received: 12/15/2005

Field Sample #: VW-7B

Sample ID: 05B48740

Sampled: 12/13/2005
CT 1102

LIMS-BAT #: LIMS-93997
Job Number: 4972042034.4.6

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Ethyl Acetate	PPBv	ND	12/30/05	TPH	2.0		
Ethylbenzene	PPBv	ND	12/30/05	TPH	2.0		
4-Ethyl Toluene	PPBv	ND	12/30/05	TPH	2.0		
n-Heptane	PPBv	ND	12/30/05	TPH	2.0		
Hexachlorobutadiene	PPBv	ND	12/30/05	TPH	2.0		
Hexane	PPBv	ND	12/30/05	TPH	2.0		
2-Hexanone	PPBv	ND	12/30/05	TPH	2.0		
Isopropanol	PPBv	ND	12/30/05	TPH	2.0		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	12/30/05	TPH	2.0		
Methylene Chloride	PPBv	ND	12/30/05	TPH	2.0		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	12/30/05	TPH	2.0		
Propene	PPBv	ND	12/30/05	TPH	2.0		
Styrene	PPBv	ND	12/30/05	TPH	2.0		
1,1,2,2-Tetrachloroethane	PPBv	ND	12/30/05	TPH	2.0		
Tetrachloroethylene	PPBv	1000	12/30/05	TPH	2.0		
Tetrahydrofuran	PPBv	ND	12/30/05	TPH	2.0		
Toluene	PPBv	ND	12/30/05	TPH	2.0		
1,2,4-Trichlorobenzene	PPBv	ND	12/30/05	TPH	2.0		
1,1,1-Trichloroethane	PPBv	ND	12/30/05	TPH	2.0		
1,1,2-Trichloroethane	PPBv	ND	12/30/05	TPH	2.0		
Trichloroethylene	PPBv	3.2	12/30/05	TPH	2.0		
Trichlorofluoromethane (Freon 11)	PPBv	6.2	12/30/05	TPH	2.0		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	12/30/05	TPH	2.0		
1,2,4-Trimethylbenzene	PPBv	ND	12/30/05	TPH	2.0		
1,3,5-Trimethylbenzene	PPBv	ND	12/30/05	TPH	2.0		
Vinyl Acetate	PPBv	ND	12/30/05	TPH	2.0		
Vinyl Chloride	PPBv	ND	12/30/05	TPH	2.0		
m/p-Xylene	PPBv	ND	12/30/05	TPH	4.0		
o-Xylene	PPBv	ND	12/30/05	TPH	2.0		

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Purchase Order No.:

12/30/2005

Page 12 of 26

Project Location: SOUTH MESA

Date Received: 12/15/2005

Field Sample #: VW-7B

LIMS-BAT #: LIMS-93997

Job Number: 4972042034.4.6

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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* = See end of report for comments and notes applying to this sample

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12/30/2005
Page 13 of 26

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 12/15/2005
Field Sample #: EFF

LIMS-BAT #: LIMS-93997
Job Number: 4972042034.4.6

Sample ID : *05B48739

Sampled : 12/13/2005
CT 11455

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	11.	12/30/05	TPH	2.4		
Benzene	ug/m3	ND	12/30/05	TPH	3.2		
Benzyl Chloride	ug/m3	ND	12/30/05	TPH	5.2		
Bromodichloromethane	ug/m3	ND	12/30/05	TPH	6.8		
Bromomethane	ug/m3	ND	12/30/05	TPH	3.9		
1,3-Butadiene	ug/m3	ND	12/30/05	TPH	2.2		
2-Butanone (MEK)	ug/m3	ND	12/30/05	TPH	3.0		
Carbon Disulfide	ug/m3	ND	12/30/05	TPH	3.2		
Carbon Tetrachloride	ug/m3	ND	12/30/05	TPH	6.2		
Chlorobenzene	ug/m3	ND	12/30/05	TPH	4.6		
Chlorodibromomethane	ug/m3	ND	12/30/05	TPH	8.6		
Chloroethane	ug/m3	ND	12/30/05	TPH	2.6		
Chloroform	ug/m3	ND	12/30/05	TPH	4.9		
Chloromethane	ug/m3	ND	12/30/05	TPH	2.1		
Cyclohexane	ug/m3	ND	12/30/05	TPH	3.4		
1,2-Dibromoethane	ug/m3	ND	12/30/05	TPH	7.7		
1,2-Dichlorobenzene	ug/m3	ND	12/30/05	TPH	6.0		
1,3-Dichlorobenzene	ug/m3	ND	12/30/05	TPH	6.0		
1,4-Dichlorobenzene	ug/m3	ND	12/30/05	TPH	6.0		
Dichlorodifluoromethane	ug/m3	5.9	12/30/05	TPH	4.9		
1,1-Dichloroethane	ug/m3	4.9	12/30/05	TPH	4.0		
1,2-Dichloroethane	ug/m3	ND	12/30/05	TPH	4.0		
1,1-Dichloroethylene	ug/m3	4.0	12/30/05	TPH	4.0		
cis-1,2-Dichloroethylene	ug/m3	ND	12/30/05	TPH	4.0		
t-1,2-Dichloroethylene	ug/m3	ND	12/30/05	TPH	4.0		
1,2-Dichloropropane	ug/m3	ND	12/30/05	TPH	4.6		
cis-1,3-Dichloropropene	ug/m3	ND	12/30/05	TPH	4.5		
trans-1,3-Dichloropropene	ug/m3	ND	12/30/05	TPH	4.5		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	12/30/05	TPH	7.0		
Ethanol	ug/m3	6.3	12/30/05	TPH	1.8		

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Purchase Order No.:

12/30/2005

Page 14 of 26

Project Location: SOUTH MESA

Date Received: 12/15/2005

Field Sample #: EFF

LIMS-BAT #: LIMS-93997

Job Number: 4972042034.4.6

Sample ID: *05B48739

Sampled: 12/13/2005
 CT 11455

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	12/30/05	TPH	3.6		
Ethylbenzene	ug/m3	ND	12/30/05	TPH	4.3		
4-Ethyl Toluene	ug/m3	ND	12/30/05	TPH	5.0		
n-Heptane	ug/m3	ND	12/30/05	TPH	4.0		
Hexachlorobutadiene	ug/m3	ND	12/30/05	TPH	11.		
Hexane	ug/m3	ND	12/30/05	TPH	3.6		
2-Hexanone	ug/m3	ND	12/30/05	TPH	4.0		
Isopropanol	ug/m3	ND	12/30/05	TPH	2.4		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	12/30/05	TPH	3.6		
Methylene Chloride	ug/m3	ND	12/30/05	TPH	3.5		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	12/30/05	TPH	4.0		
Propene	ug/m3	ND	12/30/05	TPH	1.8		
Styrene	ug/m3	ND	12/30/05	TPH	4.3		
1,1,2,2-Tetrachloroethane	ug/m3	ND	12/30/05	TPH	6.9		
Tetrachloroethylene	ug/m3	ND	12/30/05	TPH	6.8		
Tetrahydrofuran	ug/m3	ND	12/30/05	TPH	3.0		
Toluene	ug/m3	ND	12/30/05	TPH	3.8		
1,2,4-Trichlorobenzene	ug/m3	ND	12/30/05	TPH	7.4		
1,1,1-Trichloroethane	ug/m3	ND	12/30/05	TPH	5.5		
1,1,2-Trichloroethane	ug/m3	ND	12/30/05	TPH	5.5		
Trichloroethylene	ug/m3	ND	12/30/05	TPH	5.4		
Trichlorofluoromethane	ug/m3	ND	12/30/05	TPH	5.6		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	12/30/05	TPH	7.7		
1,2,4-Trimethylbenzene	ug/m3	ND	12/30/05	TPH	4.9		
1,3,5-Trimethylbenzene	ug/m3	ND	12/30/05	TPH	4.9		
Vinyl Acetate	ug/m3	ND	12/30/05	TPH	3.6		
Vinyl Chloride	ug/m3	ND	12/30/05	TPH	2.6		
m/p-Xylene	ug/m3	ND	12/30/05	TPH	8.7		
o-Xylene	ug/m3	ND	12/30/05	TPH	4.3		

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Purchase Order No.:

12/30/2005

Page 15 of 26

Project Location: SOUTH MESA

Date Received: 12/15/2005

Field Sample #: EFF

LIMS-BAT #: LIMS-93997

Job Number: 4972042034.4.6

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Purchase Order No.:

12/30/2005

Page 16 of 26

Project Location: SOUTH MESA

Date Received: 12/15/2005

Field Sample #: INF

LIMS-BAT #: LIMS-93997

Job Number: 4972042034.4.6

Sample ID: *05B48737

Sampled: 12/13/2005
CT 1089

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	19.	12/30/05	TPH	2.4		
Benzene	ug/m3	ND	12/30/05	TPH	3.2		
Benzyl Chloride	ug/m3	ND	12/30/05	TPH	5.2		
Bromodichloromethane	ug/m3	ND	12/30/05	TPH	6.8		
Bromomethane	ug/m3	ND	12/30/05	TPH	3.9		
1,3-Butadiene	ug/m3	ND	12/30/05	TPH	2.2		
2-Butanone (MEK)	ug/m3	4.0	12/30/05	TPH	3.0		
Carbon Disulfide	ug/m3	ND	12/30/05	TPH	3.2		
Carbon Tetrachloride	ug/m3	ND	12/30/05	TPH	6.2		
Chlorobenzene	ug/m3	ND	12/30/05	TPH	4.6		
Chlorodibromomethane	ug/m3	ND	12/30/05	TPH	8.6		
Chloroethane	ug/m3	ND	12/30/05	TPH	2.6		
Chloroform	ug/m3	ND	12/30/05	TPH	4.9		
Chloromethane	ug/m3	ND	12/30/05	TPH	2.1		
Cyclohexane	ug/m3	4.7	12/30/05	TPH	3.4		
1,2-Dibromoethane	ug/m3	ND	12/30/05	TPH	7.7		
1,2-Dichlorobenzene	ug/m3	ND	12/30/05	TPH	6.0		
1,3-Dichlorobenzene	ug/m3	ND	12/30/05	TPH	6.0		
1,4-Dichlorobenzene	ug/m3	ND	12/30/05	TPH	6.0		
Dichlorodifluoromethane	ug/m3	ND	12/30/05	TPH	4.9		
1,1-Dichloroethane	ug/m3	8.7	12/30/05	TPH	4.0		
1,2-Dichloroethane	ug/m3	ND	12/30/05	TPH	4.0		
1,1-Dichloroethylene	ug/m3	7.0	12/30/05	TPH	4.0		
cis-1,2-Dichloroethylene	ug/m3	4.1	12/30/05	TPH	4.0		
t-1,2-Dichloroethylene	ug/m3	ND	12/30/05	TPH	4.0		
1,2-Dichloropropane	ug/m3	5.6	12/30/05	TPH	4.6		
cis-1,3-Dichloropropene	ug/m3	ND	12/30/05	TPH	4.5		
trans-1,3-Dichloropropene	ug/m3	ND	12/30/05	TPH	4.5		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	12/30/05	TPH	7.0		
Ethanol	ug/m3	12.	12/30/05	TPH	1.8		

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12/30/2005
Page 17 of 26

Purchase Order No.:

Project Location: SOUTH MESA

Date Received: 12/15/2005

Field Sample #: INF

Sample ID: *05B48737

Sampled: 12/13/2005
CT 1089

LIMS-BAT #: LIMS-93997
Job Number: 4972042034.4.6

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	12/30/05	TPH	3.6		
Ethylbenzene	ug/m3	ND	12/30/05	TPH	4.3		
4-Ethyl Toluene	ug/m3	ND	12/30/05	TPH	5.0		
n-Heptane	ug/m3	ND	12/30/05	TPH	4.0		
Hexachlorobutadiene	ug/m3	ND	12/30/05	TPH	11.		
Hexane	ug/m3	ND	12/30/05	TPH	3.6		
2-Hexanone	ug/m3	ND	12/30/05	TPH	4.0		
Isopropanol	ug/m3	4.1	12/30/05	TPH	2.4		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	12/30/05	TPH	3.6		
Methylene Chloride	ug/m3	ND	12/30/05	TPH	3.5		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	12/30/05	TPH	4.0		
Propene	ug/m3	ND	12/30/05	TPH	1.8		
Styrene	ug/m3	ND	12/30/05	TPH	4.3		
1,1,2,2-Tetrachloroethane	ug/m3	ND	12/30/05	TPH	6.9		
Tetrachloroethylene	ug/m3	890	12/30/05	TPH	6.8		
Tetrahydrofuran	ug/m3	ND	12/30/05	TPH	3.0		
Toluene	ug/m3	20.	12/30/05	TPH	3.8		
1,2,4-Trichlorobenzene	ug/m3	ND	12/30/05	TPH	7.4		
1,1,1-Trichloroethane	ug/m3	ND	12/30/05	TPH	5.5		
1,1,2-Trichloroethane	ug/m3	ND	12/30/05	TPH	5.5		
Trichloroethylene	ug/m3	ND	12/30/05	TPH	5.4		
Trichlorofluoromethane	ug/m3	ND	12/30/05	TPH	5.6		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	12/30/05	TPH	7.7		
1,2,4-Trimethylbenzene	ug/m3	ND	12/30/05	TPH	4.9		
1,3,5-Trimethylbenzene	ug/m3	ND	12/30/05	TPH	4.9		
Vinyl Acetate	ug/m3	ND	12/30/05	TPH	3.6		
Vinyl Chloride	ug/m3	ND	12/30/05	TPH	2.6		
m/p-Xylene	ug/m3	ND	12/30/05	TPH	8.7		
o-Xylene	ug/m3	ND	12/30/05	TPH	4.3		

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12/30/2005

Page 18 of 26

Purchase Order No.:

Project Location: SOUTH MESA

Date Received: 12/15/2005

Field Sample #: INF

LIMS-BAT #: LIMS-93997

Job Number: 4972042034.4.6

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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12/30/2005
 Page 19 of 26

Purchase Order No.:

Project Location: SOUTH MESA
 Date Received: 12/15/2005
 Field Sample #: INT

LIMS-BAT #: LIMS-93997
 Job Number: 4972042034.4.6

Sample ID : *05B48738

Sampled : 12/13/2005
 CT 1152

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Acetone	ug/m3	20.	12/30/05	TPH	2.4			
Benzene	ug/m3	ND	12/30/05	TPH	3.2			
Benzyl Chloride	ug/m3	ND	12/30/05	TPH	5.2			
Bromodichloromethane	ug/m3	ND	12/30/05	TPH	6.8			
Bromomethane	ug/m3	ND	12/30/05	TPH	3.9			
1,3-Butadiene	ug/m3	ND	12/30/05	TPH	2.2			
2-Butanone (MEK)	ug/m3	3.4	12/30/05	TPH	3.0			
Carbon Disulfide	ug/m3	ND	12/30/05	TPH	3.2			
Carbon Tetrachloride	ug/m3	ND	12/30/05	TPH	6.2			
Chlorobenzene	ug/m3	ND	12/30/05	TPH	4.6			
Chlorodibromomethane	ug/m3	ND	12/30/05	TPH	8.6			
Chloroethane	ug/m3	ND	12/30/05	TPH	2.6			
Chloroform	ug/m3	5.1	12/30/05	TPH	4.9			
Chloromethane	ug/m3	ND	12/30/05	TPH	2.1			
Cyclohexane	ug/m3	ND	12/30/05	TPH	3.4			
1,2-Dibromoethane	ug/m3	ND	12/30/05	TPH	7.7			
1,2-Dichlorobenzene	ug/m3	ND	12/30/05	TPH	6.0			
1,3-Dichlorobenzene	ug/m3	ND	12/30/05	TPH	6.0			
1,4-Dichlorobenzene	ug/m3	ND	12/30/05	TPH	6.0			
Dichlorodifluoromethane	ug/m3	ND	12/30/05	TPH	4.9			
1,1-Dichloroethane	ug/m3	8.7	12/30/05	TPH	4.0			
1,2-Dichloroethane	ug/m3	ND	12/30/05	TPH	4.0			
1,1-Dichloroethylene	ug/m3	6.1	12/30/05	TPH	4.0			
cis-1,2-Dichloroethylene	ug/m3	4.5	12/30/05	TPH	4.0			
t-1,2-Dichloroethylene	ug/m3	ND	12/30/05	TPH	4.0			
1,2-Dichloropropane	ug/m3	ND	12/30/05	TPH	4.6			
cis-1,3-Dichloropropene	ug/m3	ND	12/30/05	TPH	4.5			
trans-1,3-Dichloropropene	ug/m3	ND	12/30/05	TPH	4.5			
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	12/30/05	TPH	7.0			
Ethanol	ug/m3	9.7	12/30/05	TPH	1.8			

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* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

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3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Purchase Order No.:

12/30/2005

Page 20 of 26

Project Location: SOUTH MESA

Date Received: 12/15/2005

Field Sample #: INT

LIMS-BAT #: LIMS-93997

Job Number: 4972042034.4.6

Sample ID: *05B48738

Sampled: 12/13/2005
CT 1152

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	12/30/05	TPH	3.6		
Ethylbenzene	ug/m3	ND	12/30/05	TPH	4.3		
4-Ethyl Toluene	ug/m3	ND	12/30/05	TPH	5.0		
n-Heptane	ug/m3	ND	12/30/05	TPH	4.0		
Hexachlorobutadiene	ug/m3	ND	12/30/05	TPH	11.		
Hexane	ug/m3	ND	12/30/05	TPH	3.6		
2-Hexanone	ug/m3	ND	12/30/05	TPH	4.0		
Isopropanol	ug/m3	3.3	12/30/05	TPH	2.4		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	12/30/05	TPH	3.6		
Methylene Chloride	ug/m3	ND	12/30/05	TPH	3.5		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	12/30/05	TPH	4.0		
Propene	ug/m3	ND	12/30/05	TPH	1.8		
Styrene	ug/m3	ND	12/30/05	TPH	4.3		
1,1,2,2-Tetrachloroethane	ug/m3	ND	12/30/05	TPH	6.9		
Tetrachloroethylene	ug/m3	360.	12/30/05	TPH	6.8		
Tetrahydrofuran	ug/m3	ND	12/30/05	TPH	3.0		
Toluene	ug/m3	ND	12/30/05	TPH	3.8		
1,2,4-Trichlorobenzene	ug/m3	ND	12/30/05	TPH	7.4		
1,1,1-Trichloroethane	ug/m3	ND	12/30/05	TPH	5.5		
1,1,2-Trichloroethane	ug/m3	ND	12/30/05	TPH	5.5		
Trichloroethylene	ug/m3	ND	12/30/05	TPH	5.4		
Trichlorofluoromethane	ug/m3	ND	12/30/05	TPH	5.6		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	12/30/05	TPH	7.7		
1,2,4-Trimethylbenzene	ug/m3	ND	12/30/05	TPH	4.9		
1,3,5-Trimethylbenzene	ug/m3	ND	12/30/05	TPH	4.9		
Vinyl Acetate	ug/m3	ND	12/30/05	TPH	3.6		
Vinyl Chloride	ug/m3	ND	12/30/05	TPH	2.6		
m/p-Xylene	ug/m3	ND	12/30/05	TPH	8.7		
o-Xylene	ug/m3	ND	12/30/05	TPH	4.3		

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12/30/2005

Page 21 of 26

Purchase Order No.:

Project Location: SOUTH MESA

Date Received: 12/15/2005

LIMS-BAT #: LIMS-93997

Job Number: 4972042034.4.6

Field Sample #: INT

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Purchase Order No.:

12/30/2005

Page 22 of 26

Project Location: SOUTH MESA

Date Received: 12/15/2005

Field Sample #: VW-7B

LIMS-BAT #: LIMS-93997

Job Number: 4972042034.4.6

Sample ID: *05B48740

Sampled: 12/13/2005
CT 1102

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	24.	12/30/05	TPH	4.8		
Benzene	ug/m3	ND	12/30/05	TPH	6.4		
Benzyl Chloride	ug/m3	ND	12/30/05	TPH	10.		
Bromodichloromethane	ug/m3	33.	12/30/05	TPH	14.		
Bromomethane	ug/m3	ND	12/30/05	TPH	7.8		
1,3-Butadiene	ug/m3	ND	12/30/05	TPH	4.4		
2-Butanone (MEK)	ug/m3	ND	12/30/05	TPH	6.0		
Carbon Disulfide	ug/m3	ND	12/30/05	TPH	6.4		
Carbon Tetrachloride	ug/m3	ND	12/30/05	TPH	12.		
Chlorobenzene	ug/m3	ND	12/30/05	TPH	9.2		
Chlorodibromomethane	ug/m3	ND	12/30/05	TPH	17.		
Chloroethane	ug/m3	ND	12/30/05	TPH	5.3		
Chloroform	ug/m3	46.	12/30/05	TPH	9.7		
Chloromethane	ug/m3	ND	12/30/05	TPH	4.1		
Cyclohexane	ug/m3	ND	12/30/05	TPH	6.8		
1,2-Dibromoethane	ug/m3	ND	12/30/05	TPH	15.		
1,2-Dichlorobenzene	ug/m3	ND	12/30/05	TPH	12.		
1,3-Dichlorobenzene	ug/m3	ND	12/30/05	TPH	12.		
1,4-Dichlorobenzene	ug/m3	ND	12/30/05	TPH	12.		
Dichlorodifluoromethane	ug/m3	21.	12/30/05	TPH	9.9		
1,1-Dichloroethane	ug/m3	120.	12/30/05	TPH	8.1		
1,2-Dichloroethane	ug/m3	ND	12/30/05	TPH	8.1		
1,1-Dichloroethylene	ug/m3	87.	12/30/05	TPH	7.9		
cis-1,2-Dichloroethylene	ug/m3	46.	12/30/05	TPH	7.9		
t-1,2-Dichloroethylene	ug/m3	ND	12/30/05	TPH	8.0		
1,2-Dichloropropane	ug/m3	65.	12/30/05	TPH	9.2		
cis-1,3-Dichloropropene	ug/m3	ND	12/30/05	TPH	9.1		
trans-1,3-Dichloropropene	ug/m3	ND	12/30/05	TPH	9.1		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	12/30/05	TPH	14.		
Ethanol	ug/m3	9.3	12/30/05	TPH	3.6		

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12/30/2005
Page 23 of 26

Purchase Order No.:

Project Location: SOUTH MESA

LIMS-BAT #: LIMS-93997

Date Received: 12/15/2005

Job Number: 4972042034.4.6

Field Sample #: VW-7B

Sample ID: *05B48740

Sampled: 12/13/2005
CT 1102

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	12/30/05	TPH	7.2		
Ethylbenzene	ug/m3	ND	12/30/05	TPH	8.7		
4-Ethyl Toluene	ug/m3	ND	12/30/05	TPH	10.		
n-Heptane	ug/m3	ND	12/30/05	TPH	8.0		
Hexachlorobutadiene	ug/m3	ND	12/30/05	TPH	21.		
Hexane	ug/m3	ND	12/30/05	TPH	7.2		
2-Hexanone	ug/m3	ND	12/30/05	TPH	8.0		
Isopropanol	ug/m3	ND	12/30/05	TPH	4.8		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	12/30/05	TPH	7.2		
Methylene Chloride	ug/m3	ND	12/30/05	TPH	7.0		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	12/30/05	TPH	8.0		
Propene	ug/m3	ND	12/30/05	TPH	3.6		
Styrene	ug/m3	ND	12/30/05	TPH	8.5		
1,1,2,2-Tetrachloroethane	ug/m3	ND	12/30/05	TPH	14.		
Tetrachloroethylene	ug/m3	6700	12/30/05	TPH	14.		
Tetrahydrofuran	ug/m3	ND	12/30/05	TPH	6.0		
Toluene	ug/m3	ND	12/30/05	TPH	7.5		
1,2,4-Trichlorobenzene	ug/m3	ND	12/30/05	TPH	15.		
1,1,1-Trichloroethane	ug/m3	ND	12/30/05	TPH	11.		
1,1,2-Trichloroethane	ug/m3	ND	12/30/05	TPH	11.		
Trichloroethylene	ug/m3	17.	12/30/05	TPH	11.		
Trichlorofluoromethane	ug/m3	35.	12/30/05	TPH	11.		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	12/30/05	TPH	15.		
1,2,4-Trimethylbenzene	ug/m3	ND	12/30/05	TPH	9.8		
1,3,5-Trimethylbenzene	ug/m3	ND	12/30/05	TPH	9.8		
Vinyl Acetate	ug/m3	ND	12/30/05	TPH	7.2		
Vinyl Chloride	ug/m3	ND	12/30/05	TPH	5.1		
m/p-Xylene	ug/m3	ND	12/30/05	TPH	17.		
o-Xylene	ug/m3	ND	12/30/05	TPH	8.7		

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Purchase Order No.:

12/30/2005

Page 24 of 26

Project Location: SOUTH MESA

Date Received: 12/15/2005

LIMS-BAT #: LIMS-93997

Job Number: 4972042034.4.6

Field Sample #: VW-7B

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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12/30/2005
Page 25 of 26

Purchase Order No.:

Project Location: SOUTH MESA

LIMS-BAT #: LIMS-93997

Date Received: 12/15/2005

Job Number: 4972042034.4.6

The following notes were attached to the reported analysis :

Sample ID: * 05B48737

Analysis: Hexachlorobutadiene

REPORTED RESULT IS ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION
DID NOT MEET REQUIRED CRITERIA.

Sample ID: * 05B48737

Analysis: 1,2,4-Trichlorobenzene

REPORTED RESULT IS ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION
DID NOT MEET REQUIRED CRITERIA.

Sample ID: * 05B48738

Analysis: Hexachlorobutadiene

REPORTED RESULT IS ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION
DID NOT MEET REQUIRED CRITERIA.

Sample ID: * 05B48738

Analysis: 1,2,4-Trichlorobenzene

REPORTED RESULT IS ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION
DID NOT MEET REQUIRED CRITERIA.

Sample ID: * 05B48739

Analysis: Hexachlorobutadiene

REPORTED RESULT IS ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION
DID NOT MEET REQUIRED CRITERIA.

Sample ID: * 05B48739

Analysis: 1,2,4-Trichlorobenzene

REPORTED RESULT IS ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION
DID NOT MEET REQUIRED CRITERIA.

Sample ID: * 05B48740

Analysis: Hexachlorobutadiene

REPORTED RESULT IS ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION
DID NOT MEET REQUIRED CRITERIA.

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determine PASS (P) or FAIL (F) condition of results.



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12/30/2005

Page 26 of 26

Purchase Order No.:

Project Location: SOUTH MESA

LIMS-BAT #: LIMS-93997

Date Received: 12/15/2005

Job Number: 4972042034.4.6

Sample ID: * 05B48740

Analysis: 1,2,4-Trichlorobenzene

REPORTED RESULT IS ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION
DID NOT MEET REQUIRED CRITERIA.

** END OF REPORT **

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 12/30/2005

Lims Bat #: LIMS-93997

Page 1 of 8

QC Batch Number: BATCH-10305

Sample Id	Analysis	QC Analysis	Values	Units	Limits
05B48737	4-Bromofluorobenzene	Surrogate Recovery	102.0	%	70-130
05B48738	4-Bromofluorobenzene	Surrogate Recovery	109.0	%	70-130
05B48739	4-Bromofluorobenzene	Surrogate Recovery	105.6	%	70-130
05B48740	4-Bromofluorobenzene	Surrogate Recovery	107.4	%	70-130
BLANK-82684	Acetone	Blank	<1.2	ug/m3	
	Benzene	Blank	<1.6	ug/m3	
	Carbon Tetrachloride	Blank	<3.1	ug/m3	
	Chloroform	Blank	<2.5	ug/m3	
	1,2-Dichloroethane	Blank	<2.1	ug/m3	
	1,4-Dichlorobenzene	Blank	<3.1	ug/m3	
	Ethyl Acetate	Blank	<1.8	ug/m3	
	Ethylbenzene	Blank	<2.2	ug/m3	
	Hexane	Blank	<1.8	ug/m3	
	Isopropanol	Blank	<1.2	ug/m3	
	2-Butanone (MEK)	Blank	<1.5	ug/m3	
	4-Methyl-2-Pentanone (MIBK)	Blank	<2.0	ug/m3	
	Styrene	Blank	<2.2	ug/m3	
	Tetrachloroethylene	Blank	<3.4	ug/m3	
	Toluene	Blank	<1.9	ug/m3	
	1,1,1-Trichloroethane	Blank	<2.8	ug/m3	
	Trichloroethylene	Blank	<2.7	ug/m3	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<3.9	ug/m3	
	Trichlorofluoromethane	Blank	<2.9	ug/m3	
	o-Xylene	Blank	<2.2	ug/m3	
	m/p-Xylene	Blank	<4.4	ug/m3	
	1,2-Dichlorobenzene	Blank	<3.1	ug/m3	
	1,3-Dichlorobenzene	Blank	<3.1	ug/m3	
	1,1-Dichloroethane	Blank	<2.1	ug/m3	
	1,1-Dichloroethylene	Blank	<2.0	ug/m3	
	Ethanol	Blank	<0.9	ug/m3	
	4-Ethyl Toluene	Blank	<2.5	ug/m3	
	Methyl tert-Butyl Ether (MTBE)	Blank	<1.8	ug/m3	
	t-1,2-Dichloroethylene	Blank	<2.0	ug/m3	
	Vinyl Chloride	Blank	<1.3	ug/m3	
	Methylene Chloride	Blank	<1.8	ug/m3	
	Chlorobenzene	Blank	<2.3	ug/m3	
	Chloromethane	Blank	<1.1	ug/m3	
	Bromomethane	Blank	<2.0	ug/m3	
	Chloroethane	Blank	<1.4	ug/m3	

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 12/30/2005

Lims Bat #: LIMS-93997

Page 2 of 8

QC Batch Number: BATCH-10305

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-82684					
	cis-1,3-Dichloropropene	Blank	<2.3	ug/m3	
	trans-1,3-Dichloropropene	Blank	<2.3	ug/m3	
	Chlorodibromomethane	Blank	<4.3	ug/m3	
	1,1,2-Trichloroethane	Blank	<2.8	ug/m3	
	1,1,2,2-Tetrachloroethane	Blank	<3.5	ug/m3	
	Hexachlorobutadiene	Blank	<5.4	ug/m3	
	1,2,4-Trichlorobenzene	Blank	<3.8	ug/m3	
	1,2,4-Trimethylbenzene	Blank	<2.5	ug/m3	
	1,3,5-Trimethylbenzene	Blank	<2.5	ug/m3	
	Cyclohexane	Blank	<1.7	ug/m3	
	cis-1,2-Dichloroethylene	Blank	<2.0	ug/m3	
	1,2-Dichloropropane	Blank	<2.4	ug/m3	
	Dichlorodifluoromethane	Blank	<2.5	ug/m3	
	Benzyl Chloride	Blank	<2.6	ug/m3	
	Carbon Disulfide	Blank	<1.6	ug/m3	
	Vinyl Acetate	Blank	<1.8	ug/m3	
	2-Hexanone	Blank	<2.0	ug/m3	
	Bromodichloromethane	Blank	<3.4	ug/m3	
	1,2-Dibromoethane	Blank	<3.9	ug/m3	
	n-Heptane	Blank	<2.0	ug/m3	
	1,2-Dichlorotetrafluoroethane (114)	Blank	<3.5	ug/m3	
	Tetrahydrofuran	Blank	<1.5	ug/m3	
	Propene	Blank	<0.9	ug/m3	
	1,3-Butadiene	Blank	<1.1	ug/m3	
LFBLANK-47481					
Acetone		Lab Fort Blank Amt.	23.8	ug/m3	
		Lab Fort Blk. Found	24.7	ug/m3	
		Lab Fort Blk. % Rec.	104.1	%	50-150
Benzene		Lab Fort Blank Amt.	31.9	ug/m3	
		Lab Fort Blk. Found	33.6	ug/m3	
		Lab Fort Blk. % Rec.	105.2	%	70-130
Carbon Tetrachloride		Lab Fort Blank Amt.	62.9	ug/m3	
		Lab Fort Blk. Found	59.3	ug/m3	
		Lab Fort Blk. % Rec.	94.2	%	70-130
Chloroform		Lab Fort Blank Amt.	48.7	ug/m3	
		Lab Fort Blk. Found	43.9	ug/m3	
		Lab Fort Blk. % Rec.	90.2	%	70-130
1,2-Dichloroethane		Lab Fort Blank Amt.	40.5	ug/m3	
		Lab Fort Blk. Found	39.2	ug/m3	
		Lab Fort Blk. % Rec.	96.7	%	70-130
1,4-Dichlorobenzene		Lab Fort Blank Amt.	60.1	ug/m3	
		Lab Fort Blk. Found	65.5	ug/m3	
		Lab Fort Blk. % Rec.	109.0	%	70-130



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 12/30/2005

Lims Bat #: LIMS-93997

Page 3 of 8

QC Batch Number: BATCH-10305

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-47481	Ethyl Acetate	Lab Fort Blank Amt.	36.0	ug/m3	
		Lab Fort Blk. Found	33.8	ug/m3	
		Lab Fort Blk. % Rec.	93.9	%	50-150
	Ethylbenzene	Lab Fort Blank Amt.	43.4	ug/m3	
		Lab Fort Blk. Found	47.9	ug/m3	
		Lab Fort Blk. % Rec.	110.4	%	70-130
	Hexane	Lab Fort Blank Amt.	35.2	ug/m3	
		Lab Fort Blk. Found	33.9	ug/m3	
		Lab Fort Blk. % Rec.	96.3	%	70-130
	Isopropanol	Lab Fort Blank Amt.	24.6	ug/m3	
		Lab Fort Blk. Found	27.1	ug/m3	
		Lab Fort Blk. % Rec.	110.1	%	50-150
	2-Butanone (MEK)	Lab Fort Blank Amt.	29.5	ug/m3	
		Lab Fort Blk. Found	31.7	ug/m3	
		Lab Fort Blk. % Rec.	107.4	%	70-130
	4-Methyl-2-Pentanone (MIBK)	Lab Fort Blank Amt.	41.0	ug/m3	
		Lab Fort Blk. Found	46.0	ug/m3	
		Lab Fort Blk. % Rec.	112.3	%	70-130
	Styrene	Lab Fort Blank Amt.	42.5	ug/m3	
		Lab Fort Blk. Found	47.6	ug/m3	
		Lab Fort Blk. % Rec.	112.0	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	67.8	ug/m3	
		Lab Fort Blk. Found	68.7	ug/m3	
		Lab Fort Blk. % Rec.	101.3	%	70-130
	Toluene	Lab Fort Blank Amt.	37.6	ug/m3	
		Lab Fort Blk. Found	41.0	ug/m3	
		Lab Fort Blk. % Rec.	109.0	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	54.6	ug/m3	
		Lab Fort Blk. Found	53.8	ug/m3	
		Lab Fort Blk. % Rec.	98.6	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	53.7	ug/m3	
		Lab Fort Blk. Found	52.4	ug/m3	
		Lab Fort Blk. % Rec.	97.5	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	76.6	ug/m3	
		Lab Fort Blk. Found	67.1	ug/m3	
		Lab Fort Blk. % Rec.	87.5	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	56.2	ug/m3	
		Lab Fort Blk. Found	53.8	ug/m3	
		Lab Fort Blk. % Rec.	95.7	%	70-130
	o-Xylene	Lab Fort Blank Amt.	43.4	ug/m3	
		Lab Fort Blk. Found	48.9	ug/m3	
		Lab Fort Blk. % Rec.	112.6	%	70-130
	m/p-Xylene	Lab Fort Blank Amt.	86.9	ug/m3	

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 12/30/2005

Lims Bat #: LIMS-93997

Page 4 of 8

QC Batch Number: BATCH-10305

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-47481					
m/p-Xylene		Lab Fort Blk. Found	95.8	ug/m3	
		Lab Fort Blk. % Rec.	110.2	%	70-130
		Lab Fort Blank Amt.	60.1	ug/m3	
1,2-Dichlorobenzene		Lab Fort Blk. Found	65.7	ug/m3	
		Lab Fort Blk. % Rec.	109.2	%	70-130
		Lab Fort Blank Amt.	60.1	ug/m3	
1,3-Dichlorobenzene		Lab Fort Blk. Found	67.5	ug/m3	
		Lab Fort Blk. % Rec.	112.2	%	70-130
		Lab Fort Blank Amt.	40.5	ug/m3	
1,1-Dichloroethane		Lab Fort Blk. Found	37.5	ug/m3	
		Lab Fort Blk. % Rec.	92.7	%	70-130
		Lab Fort Blank Amt.	39.7	ug/m3	
1,1-Dichloroethylene		Lab Fort Blk. Found	36.6	ug/m3	
		Lab Fort Blk. % Rec.	92.3	%	70-130
		Lab Fort Blank Amt.	18.8	ug/m3	
Ethanol		Lab Fort Blk. Found	17.3	ug/m3	
		Lab Fort Blk. % Rec.	91.6	%	50-150
		Lab Fort Blank Amt.	49.2	ug/m3	
4-Ethyl Toluene		Lab Fort Blk. Found	54.9	ug/m3	
		Lab Fort Blk. % Rec.	111.6	%	50-150
		Lab Fort Blank Amt.	36.1	ug/m3	
Methyl tert-Butyl Ether (MTBE)		Lab Fort Blk. Found	35.9	ug/m3	
		Lab Fort Blk. % Rec.	99.5	%	70-130
		Lab Fort Blank Amt.	39.6	ug/m3	
t-1,2-Dichloroethylene		Lab Fort Blk. Found	36.2	ug/m3	
		Lab Fort Blk. % Rec.	91.3	%	70-130
		Lab Fort Blank Amt.	25.6	ug/m3	
Vinyl Chloride		Lab Fort Blk. Found	24.4	ug/m3	
		Lab Fort Blk. % Rec.	95.5	%	70-130
		Lab Fort Blank Amt.	34.7	ug/m3	
Methylene Chloride		Lab Fort Blk. Found	31.7	ug/m3	
		Lab Fort Blk. % Rec.	91.4	%	70-130
		Lab Fort Blank Amt.	46.1	ug/m3	
Chlorobenzene		Lab Fort Blk. Found	48.3	ug/m3	
		Lab Fort Blk. % Rec.	104.9	%	70-130
		Lab Fort Blank Amt.	20.7	ug/m3	
Chloromethane		Lab Fort Blk. Found	19.8	ug/m3	
		Lab Fort Blk. % Rec.	96.1	%	70-130
		Lab Fort Blank Amt.	38.8	ug/m3	
Bromomethane		Lab Fort Blk. Found	34.7	ug/m3	
		Lab Fort Blk. % Rec.	89.4	%	70-130
		Lab Fort Blank Amt.	26.4	ug/m3	
Chloroethane		Lab Fort Blk. Found	26.0	ug/m3	
		Lab Fort Blk. % Rec.			

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 12/30/2005

Lims Bat #: LIMS-93997

Page 5 of 8

QC Batch Number: BATCH-10305

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-47481	Chloroethane	Lab Fort Blk. % Rec.	98.5	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	45.4	ug/m3	
		Lab Fort Blk. Found	47.4	ug/m3	
		Lab Fort Blk. % Rec.	104.4	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	45.4	ug/m3	
		Lab Fort Blk. Found	48.6	ug/m3	
		Lab Fort Blk. % Rec.	107.0	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	85.2	ug/m3	
		Lab Fort Blk. Found	86.2	ug/m3	
		Lab Fort Blk. % Rec.	101.2	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	54.6	ug/m3	
		Lab Fort Blk. Found	59.7	ug/m3	
		Lab Fort Blk. % Rec.	109.4	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	68.7	ug/m3	
		Lab Fort Blk. Found	80.5	ug/m3	
		Lab Fort Blk. % Rec.	117.2	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	106.7	ug/m3	
		Lab Fort Blk. Found	69.1	ug/m3	
		Lab Fort Blk. % Rec.	64.8	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	74.2	ug/m3	
		Lab Fort Blk. Found	51.1	ug/m3	
		Lab Fort Blk. % Rec.	68.9	%	70-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	49.2	ug/m3	
		Lab Fort Blk. Found	55.0	ug/m3	
		Lab Fort Blk. % Rec.	111.9	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	49.2	ug/m3	
		Lab Fort Blk. Found	53.2	ug/m3	
		Lab Fort Blk. % Rec.	108.3	%	70-130
	Cyclohexane	Lab Fort Blank Amt.	34.4	ug/m3	
		Lab Fort Blk. Found	36.2	ug/m3	
		Lab Fort Blk. % Rec.	105.3	%	50-150
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	39.7	ug/m3	
		Lab Fort Blk. Found	37.2	ug/m3	
		Lab Fort Blk. % Rec.	93.8	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	46.2	ug/m3	
		Lab Fort Blk. Found	50.4	ug/m3	
		Lab Fort Blk. % Rec.	109.1	%	70-130
	Dichlorodifluoromethane	Lab Fort Blank Amt.	49.5	ug/m3	
		Lab Fort Blk. Found	45.8	ug/m3	
		Lab Fort Blk. % Rec.	92.6	%	70-130
	Benzyl Chloride	Lab Fort Blank Amt.	51.8	ug/m3	
		Lab Fort Blk. Found	57.6	ug/m3	
		Lab Fort Blk. % Rec.	111.3	%	70-130



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 12/30/2005

Lims Bat #: LIMS-93997

Page 6 of 8

QC Batch Number: BATCH-10305

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-47481	Carbon Disulfide	Lab Fort Blank Amt.	31.1	ug/m3	
		Lab Fort Blk. Found	27.6	ug/m3	
		Lab Fort Blk. % Rec.	88.5	%	70-130
	Vinyl Acetate	Lab Fort Blank Amt.	35.2	ug/m3	
		Lab Fort Blk. Found	37.5	ug/m3	
		Lab Fort Blk. % Rec.	106.4	%	70-130
	2-Hexanone	Lab Fort Blank Amt.	41.0	ug/m3	
		Lab Fort Blk. Found	43.7	ug/m3	
		Lab Fort Blk. % Rec.	106.7	%	50-150
	Bromodichloromethane	Lab Fort Blank Amt.	67.0	ug/m3	
		Lab Fort Blk. Found	68.1	ug/m3	
		Lab Fort Blk. % Rec.	101.6	%	70-130
	1,2-Dibromoethane	Lab Fort Blank Amt.	76.9	ug/m3	
		Lab Fort Blk. Found	83.2	ug/m3	
		Lab Fort Blk. % Rec.	108.3	%	70-130
	n-Heptane	Lab Fort Blank Amt.	41.0	ug/m3	
		Lab Fort Blk. Found	40.2	ug/m3	
		Lab Fort Blk. % Rec.	98.1	%	50-150
	1,2-Dichlorotetrafluoroethane (114)	Lab Fort Blank Amt.	69.9	ug/m3	
		Lab Fort Blk. Found	65.0	ug/m3	
		Lab Fort Blk. % Rec.	93.0	%	70-130
	Tetrahydrofuran	Lab Fort Blank Amt.	29.5	ug/m3	
		Lab Fort Blk. Found	31.1	ug/m3	
		Lab Fort Blk. % Rec.	105.5	%	50-150
	Propene	Lab Fort Blank Amt.	17.2	ug/m3	
		Lab Fort Blk. Found	15.5	ug/m3	
		Lab Fort Blk. % Rec.	90.0	%	50-150
	1,3-Butadiene	Lab Fort Blank Amt.	22.1	ug/m3	
		Lab Fort Blk. Found	20.4	ug/m3	
		Lab Fort Blk. % Rec.	92.4	%	70-130



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 12/30/2005

Lims Bat #: LIMS-93997

Page 7 of 8

NOTES:

QC Batch No.: BATCH-10305

Sample ID: BLANK-82684

Analysis: 1,2,4-Trichlorobenzene

REPORTED RESULT IS ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION
DID NOT MEET REQUIRED CRITERIA.

QC Batch No.: BATCH-10305

Sample ID: BLANK-82684

Analysis: Hexachlorobutadiene

REPORTED RESULT IS ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION
DID NOT MEET REQUIRED CRITERIA.

QC Batch No.: BATCH-10305

Sample ID: LFBLANK-47481

Analysis: 1,2,4-Trichlorobenzene

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. ANY REPORTED
RESULT FOR THIS COMPOUND IN THIS BATCH IS LIKELY TO BE BIASED ON THE LOW SIDE.

QC Batch No.: BATCH-10305

Sample ID: LFBLANK-47481

Analysis: Hexachlorobutadiene

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. ANY REPORTED
RESULT FOR THIS COMPOUND IN THIS BATCH IS LIKELY TO BE BIASED ON THE LOW SIDE.



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 12/30/2005

Lims Bat #: LIMS-93997

Page 8 of 8

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken through all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries



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REPORT DATE 2/1/2006

MACTEC ENGINEERING & CONSULTING - AZ
3630 EAST WIER AVENUE
PHOENIX, AZ 85040
ATTN: JIM CLARK

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 53063

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-94660
JOB NUMBER: 4972-04-2034

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: SOUTH MESA

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST
*EFF	06B01540	AIR	AIR	to-15 ppbv
*EFF	06B01540	AIR	AIR	to-15 ug/m3
*INF	06B01542	AIR	AIR	to-15 ppbv
*INF	06B01542	AIR	AIR	to-15 ug/m3
*INT	06B01541	AIR	AIR	to-15 ppbv
*INT	06B01541	AIR	AIR	to-15 ug/m3
*VW-7B	06B01543	AIR	AIR	to-15 ppbv
*VW-7B	06B01543	AIR	AIR	to-15 ug/m3

Comments :

LIMS BATCH NO. : LIMS-94660

REVISED REPORT

IN METHOD TO-15 FOR SAMPLES 06B01540-06B01543, THE REPORTED RESULTS FOR 1,2-DICHLOROBENZENE, 1,3-DICHLOROBENZENE, MIBK AND 1,4-DICHLOROBENZENE ARE ESTIMATED. EITHER THE INITIAL OR CONTINUING CALIBRATION DID NOT MEET REQUIRED CRITERIA.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations :

AIHA 100033	AIHA ELLAP (LEAD) 100033	
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	ARIZONA AZ0648
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	ARIZONA AZ0654 (AIR)

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Tod Kopycinski 2/1/06
SIGNATURE DATE

Tod Kopycinski
Director of Operations

Sondra L. Slesinski
Quality Assurance Officer

Edward Denson
Technical Director

* See end of data tabulation for notes and comments pertaining to this sample



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JIM CLARK
MACTEC ENGINEERING & CONSULTING - AZ
3630 EAST WIER AVENUE
PHOENIX, AZ 85040

2/1/2006
Page 1 of 25

Purchase Order No.: 53063

Project Location: SOUTH MESA
Date Received: 1/16/2006
Field Sample #: EFF

LIMS-BAT #: LIMS-94660
Job Number: 4972-04-2034

Sample ID : *06B01540

Sampled : 1/12/2006
AIR

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	PPBv	29.	01/27/06	TPH	10.		
Benzene	PPBv	ND	01/27/06	TPH	10.		
Benzyl Chloride	PPBv	ND	01/27/06	TPH	10.		
Bromodichloromethane	PPBv	ND	01/27/06	TPH	10.		
Bromomethane	PPBv	ND	01/27/06	TPH	10.		
1,3-Butadiene	PPBv	ND	01/27/06	TPH	10.		
2-Butanone (MEK)	PPBv	ND	01/27/06	TPH	10.		
Carbon Disulfide	PPBv	ND	01/27/06	TPH	10.		
Carbon Tetrachloride	PPBv	ND	01/27/06	TPH	10.		
Chlorobenzene	PPBv	ND	01/27/06	TPH	10.		
Chlorodibromomethane	PPBv	ND	01/27/06	TPH	10.		
Chloroethane	PPBv	ND	01/27/06	TPH	10.		
Chloroform	PPBv	ND	01/27/06	TPH	10.		
Chloromethane	PPBv	ND	01/27/06	TPH	10.		
Cyclohexane	PPBv	ND	01/27/06	TPH	10.		
1,2-Dibromoethane	PPBv	ND	01/27/06	TPH	10.		
1,2-Dichlorobenzene	PPBv	ND	01/27/06	TPH	10.		
1,3-Dichlorobenzene	PPBv	ND	01/27/06	TPH	10.		
1,4-Dichlorobenzene	PPBv	ND	01/27/06	TPH	10.		
Dichlorodifluoromethane	PPBv	ND	01/27/06	TPH	10.		
1,1-Dichloroethane	PPBv	ND	01/27/06	TPH	10.		
1,2-Dichloroethane	PPBv	ND	01/27/06	TPH	10.		
1,1-Dichloroethylene	PPBv	ND	01/27/06	TPH	10.		
cis-1,2-Dichloroethylene	PPBv	ND	01/27/06	TPH	10.		
t-1,2-Dichloroethylene	PPBv	ND	01/27/06	TPH	10.		
1,2-Dichloropropane	PPBv	ND	01/27/06	TPH	10.		
cis-1,3-Dichloropropene	PPBv	ND	01/27/06	TPH	10.		
trans-1,3-Dichloropropene	PPBv	ND	01/27/06	TPH	10.		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	01/27/06	TPH	10.		
Ethanol	PPBv	22.	01/27/06	TPH	10.		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



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JIM CLARK
MACTEC ENGINEERING & CONSULTING - AZ
3630 EAST WIER AVENUE
PHOENIX, AZ 85040

Purchase Order No.: 53063

2/1/2006
Page 2 of 25

Project Location: SOUTH MESA
Date Received: 1/16/2006
Field Sample #: EFF

LIMS-BAT #: LIMS-94660
Job Number: 4972-04-2034

Sample ID: *06B01540

Sampled: 1/12/2006

AIR

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Ethyl Acetate	PPBv	ND	01/27/06	TPH	10.			
Ethylbenzene	PPBv	ND	01/27/06	TPH	10.			
4-Ethyl Toluene	PPBv	ND	01/27/06	TPH	10.			
n-Heptane	PPBv	ND	01/27/06	TPH	10.			
Hexachlorobutadiene	PPBv	ND	01/27/06	TPH	10.			
Hexane	PPBv	ND	01/27/06	TPH	10.			
2-Hexanone	PPBv	ND	01/27/06	TPH	10.			
Isopropanol	PPBv	27.	01/27/06	TPH	10.			
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	01/27/06	TPH	10.			
Methylene Chloride	PPBv	20.	01/27/06	TPH	10.			
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	01/27/06	TPH	10.			
Propene	PPBv	ND	01/27/06	TPH	10.			
Styrene	PPBv	ND	01/27/06	TPH	10.			
1,1,2,2-Tetrachloroethane	PPBv	ND	01/27/06	TPH	10.			
Tetrachloroethylene	PPBv	ND	01/27/06	TPH	10.			
Tetrahydrofuran	PPBv	ND	01/27/06	TPH	10.			
Toluene	PPBv	ND	01/27/06	TPH	10.			
1,2,4-Trichlorobenzene	PPBv	ND	01/27/06	TPH	10.			
1,1,1-Trichloroethane	PPBv	ND	01/27/06	TPH	10.			
1,1,2-Trichloroethane	PPBv	ND	01/27/06	TPH	10.			
Trichloroethylene	PPBv	ND	01/27/06	TPH	10.			
Trichlorofluoromethane (Freon 11)	PPBv	ND	01/27/06	TPH	10.			
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	01/27/06	TPH	10.			
1,2,4-Trimethylbenzene	PPBv	ND	01/27/06	TPH	10.			
1,3,5-Trimethylbenzene	PPBv	ND	01/27/06	TPH	10.			
Vinyl Acetate	PPBv	ND	01/27/06	TPH	10.			
Vinyl Chloride	PPBv	ND	01/27/06	TPH	10.			
m/p-Xylene	PPBv	ND	01/27/06	TPH	20.			
o-Xylene	PPBv	ND	01/27/06	TPH	10.			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



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JIM CLARK

MACTEC ENGINEERING & CONSULTING - AZ

3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Purchase Order No.: 53063

2/1/2006

Page 3 of 25

Project Location: SOUTH MESA

Date Received: 1/16/2006

Field Sample #: EFF

LIMS-BAT #: LIMS-94660

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

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PHOENIX, AZ 85040

2/1/2006
Page 4 of 25

Purchase Order No.: 53063

Project Location: SOUTH MESA
Date Received: 1/16/2006
Field Sample #: INF

LIMS-BAT #: LIMS-94660
Job Number: 4972-04-2034

Sample ID : *06B01542

Sampled : 1/12/2006

AIR

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	PPBv	14.	01/27/06	TPH	10.			
Benzene	PPBv	ND	01/27/06	TPH	10.			
Benzyl Chloride	PPBv	ND	01/27/06	TPH	10.			
Bromodichloromethane	PPBv	ND	01/27/06	TPH	10.			
Bromomethane	PPBv	ND	01/27/06	TPH	10.			
1,3-Butadiene	PPBv	ND	01/27/06	TPH	10.			
2-Butanone (MEK)	PPBv	ND	01/27/06	TPH	10.			
Carbon Disulfide	PPBv	ND	01/27/06	TPH	10.			
Carbon Tetrachloride	PPBv	ND	01/27/06	TPH	10.			
Chlorobenzene	PPBv	ND	01/27/06	TPH	10.			
Chlorodibromomethane	PPBv	ND	01/27/06	TPH	10.			
Chloroethane	PPBv	ND	01/27/06	TPH	10.			
Chloroform	PPBv	ND	01/27/06	TPH	10.			
Chloromethane	PPBv	ND	01/27/06	TPH	10.			
Cyclohexane	PPBv	ND	01/27/06	TPH	10.			
1,2-Dibromoethane	PPBv	ND	01/27/06	TPH	10.			
1,2-Dichlorobenzene	PPBv	ND	01/27/06	TPH	10.			
1,3-Dichlorobenzene	PPBv	ND	01/27/06	TPH	10.			
1,4-Dichlorobenzene	PPBv	ND	01/27/06	TPH	10.			
Dichlorodifluoromethane	PPBv	ND	01/27/06	TPH	10.			
1,1-Dichloroethane	PPBv	ND	01/27/06	TPH	10.			
1,2-Dichloroethane	PPBv	ND	01/27/06	TPH	10.			
1,1-Dichloroethylene	PPBv	ND	01/27/06	TPH	10.			
cis-1,2-Dichloroethylene	PPBv	ND	01/27/06	TPH	10.			
t-1,2-Dichloroethylene	PPBv	ND	01/27/06	TPH	10.			
1,2-Dichloropropane	PPBv	ND	01/27/06	TPH	10.			
cis-1,3-Dichloropropene	PPBv	ND	01/27/06	TPH	10.			
trans-1,3-Dichloropropene	PPBv	ND	01/27/06	TPH	10.			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	01/27/06	TPH	10.			
Ethanol	PPBv	17.	01/27/06	TPH	10.			

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Purchase Order No.: 53063

2/1/2006

Page 5 of 25

Project Location: SOUTH MESA

Date Received: 1/16/2006

Field Sample #: INF

LIMS-BAT #: LIMS-94660

Job Number: 4972-04-2034

Sample ID : *06B01542

Sampled : 1/12/2006

AIR

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	PPBv	ND	01/27/06	TPH	10.		
Ethylbenzene	PPBv	ND	01/27/06	TPH	10.		
4-Ethyl Toluene	PPBv	ND	01/27/06	TPH	10.		
n-Heptane	PPBv	ND	01/27/06	TPH	10.		
Hexachlorobutadiene	PPBv	ND	01/27/06	TPH	10.		
Hexane	PPBv	ND	01/27/06	TPH	10.		
2-Hexanone	PPBv	ND	01/27/06	TPH	10.		
Isopropanol	PPBv	ND	01/27/06	TPH	10.		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	01/27/06	TPH	10.		
Methylene Chloride	PPBv	16.	01/27/06	TPH	10.		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	01/27/06	TPH	10.		
Propene	PPBv	ND	01/27/06	TPH	10.		
Styrene	PPBv	ND	01/27/06	TPH	10.		
1,1,2,2-Tetrachloroethane	PPBv	ND	01/27/06	TPH	10.		
Tetrachloroethylene	PPBv	130	01/27/06	TPH	10.		
Tetrahydrofuran	PPBv	ND	01/27/06	TPH	10.		
Toluene	PPBv	ND	01/27/06	TPH	10.		
1,2,4-Trichlorobenzene	PPBv	ND	01/27/06	TPH	10.		
1,1,1-Trichloroethane	PPBv	ND	01/27/06	TPH	10.		
1,1,2-Trichloroethane	PPBv	ND	01/27/06	TPH	10.		
Trichloroethylene	PPBv	ND	01/27/06	TPH	10.		
Trichlorofluoromethane (Freon 11)	PPBv	ND	01/27/06	TPH	10.		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	01/27/06	TPH	10.		
1,2,4-Trimethylbenzene	PPBv	ND	01/27/06	TPH	10.		
1,3,5-Trimethylbenzene	PPBv	ND	01/27/06	TPH	10.		
Vinyl Acetate	PPBv	ND	01/27/06	TPH	10.		
Vinyl Chloride	PPBv	ND	01/27/06	TPH	10.		
m/p-Xylene	PPBv	ND	01/27/06	TPH	20.		
o-Xylene	PPBv	ND	01/27/06	TPH	10.		

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Purchase Order No.: 53063

2/1/2006

Page 6 of 25

Project Location: SOUTH MESA

Date Received: 1/16/2006

Field Sample #: INF

LIMS-BAT #: LIMS-94660

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Purchase Order No.: 53063

2/1/2006

Page 7 of 25

Project Location: SOUTH MESA

LIMS-BAT #: LIMS-94660

Date Received: 1/16/2006

Job Number: 4972-04-2034

Field Sample #: INT

Sample ID: *06B01541

Sampled: 1/12/2006

AIR

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	PPBv	19.	01/27/06	TPH	10.		
Benzene	PPBv	ND	01/27/06	TPH	10.		
Benzyl Chloride	PPBv	ND	01/27/06	TPH	10.		
Bromodichloromethane	PPBv	ND	01/27/06	TPH	10.		
Bromomethane	PPBv	ND	01/27/06	TPH	10.		
1,3-Butadiene	PPBv	ND	01/27/06	TPH	10.		
2-Butanone (MEK)	PPBv	ND	01/27/06	TPH	10.		
Carbon Disulfide	PPBv	ND	01/27/06	TPH	10.		
Carbon Tetrachloride	PPBv	ND	01/27/06	TPH	10.		
Chlorobenzene	PPBv	ND	01/27/06	TPH	10.		
Chlorodibromomethane	PPBv	ND	01/27/06	TPH	10.		
Chloroethane	PPBv	ND	01/27/06	TPH	10.		
Chloroform	PPBv	ND	01/27/06	TPH	10.		
Chloromethane	PPBv	ND	01/27/06	TPH	10.		
Cyclohexane	PPBv	ND	01/27/06	TPH	10.		
1,2-Dibromoethane	PPBv	ND	01/27/06	TPH	10.		
1,2-Dichlorobenzene	PPBv	ND	01/27/06	TPH	10.		
1,3-Dichlorobenzene	PPBv	ND	01/27/06	TPH	10.		
1,4-Dichlorobenzene	PPBv	ND	01/27/06	TPH	10.		
Dichlorodifluoromethane	PPBv	ND	01/27/06	TPH	10.		
1,1-Dichloroethane	PPBv	ND	01/27/06	TPH	10.		
1,2-Dichloroethane	PPBv	ND	01/27/06	TPH	10.		
1,1-Dichloroethylene	PPBv	ND	01/27/06	TPH	10.		
cis-1,2-Dichloroethylene	PPBv	ND	01/27/06	TPH	10.		
t-1,2-Dichloroethylene	PPBv	ND	01/27/06	TPH	10.		
1,2-Dichloropropane	PPBv	ND	01/27/06	TPH	10.		
cis-1,3-Dichloropropene	PPBv	ND	01/27/06	TPH	10.		
trans-1,3-Dichloropropene	PPBv	ND	01/27/06	TPH	10.		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	01/27/06	TPH	10.		
Ethanol	PPBv	14.	01/27/06	TPH	10.		

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Purchase Order No.: 53063

2/1/2006
Page 8 of 25

Project Location: SOUTH MESA
Date Received: 1/16/2006
Field Sample #: INT

LIMS-BAT #: LIMS-94660
Job Number: 4972-04-2034

Sample ID : *06B01541

Sampled : 1/12/2006

AIR

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Ethyl Acetate	PPBv	ND	01/27/06	TPH	10.			
Ethylbenzene	PPBv	ND	01/27/06	TPH	10.			
4-Ethyl Toluene	PPBv	ND	01/27/06	TPH	10.			
n-Heptane	PPBv	ND	01/27/06	TPH	10.			
Hexachlorobutadiene	PPBv	ND	01/27/06	TPH	10.			
Hexane	PPBv	ND	01/27/06	TPH	10.			
2-Hexanone	PPBv	ND	01/27/06	TPH	10.			
Isopropanol	PPBv	ND	01/27/06	TPH	10.			
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	01/27/06	TPH	10.			
Methylene Chloride	PPBv	16.	01/27/06	TPH	10.			
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	01/27/06	TPH	10.			
Propene	PPBv	ND	01/27/06	TPH	10.			
Styrene	PPBv	ND	01/27/06	TPH	10.			
1,1,2,2-Tetrachloroethane	PPBv	ND	01/27/06	TPH	10.			
Tetrachloroethylene	PPBv	140	01/27/06	TPH	10.			
Tetrahydrofuran	PPBv	ND	01/27/06	TPH	10.			
Toluene	PPBv	ND	01/27/06	TPH	10.			
1,2,4-Trichlorobenzene	PPBv	ND	01/27/06	TPH	10.			
1,1,1-Trichloroethane	PPBv	ND	01/27/06	TPH	10.			
1,1,2-Trichloroethane	PPBv	ND	01/27/06	TPH	10.			
Trichloroethylene	PPBv	ND	01/27/06	TPH	10.			
Trichlorofluoromethane (Freon 11)	PPBv	ND	01/27/06	TPH	10.			
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	01/27/06	TPH	10.			
1,2,4-Trimethylbenzene	PPBv	ND	01/27/06	TPH	10.			
1,3,5-Trimethylbenzene	PPBv	ND	01/27/06	TPH	10.			
Vinyl Acetate	PPBv	ND	01/27/06	TPH	10.			
Vinyl Chloride	PPBv	ND	01/27/06	TPH	10.			
m/p-Xylene	PPBv	ND	01/27/06	TPH	20.			
o-Xylene	PPBv	ND	01/27/06	TPH	10.			

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Purchase Order No.: 53063

2/1/2006

Page 9 of 25

Project Location: SOUTH MESA

Date Received: 1/16/2006

LIMS-BAT #: LIMS-94660

Job Number: 4972-04-2034

Field Sample #: INT

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Purchase Order No.: 53063

2/1/2006
Page 10 of 25

Project Location: SOUTH MESA
Date Received: 1/16/2006
Field Sample #: VW-7B

LIMS-BAT #: LIMS-94660
Job Number: 4972-04-2034

Sample ID : *06B01543

Sampled : 1/12/2006

AIR

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Acetone	PPBv	21.	01/27/06	TPH	20.			
Benzene	PPBv	ND	01/27/06	TPH	20.			
Benzyl Chloride	PPBv	ND	01/27/06	TPH	20.			
Bromodichloromethane	PPBv	ND	01/27/06	TPH	20.			
Bromomethane	PPBv	ND	01/27/06	TPH	20.			
1,3-Butadiene	PPBv	ND	01/27/06	TPH	20.			
2-Butanone (MEK)	PPBv	ND	01/27/06	TPH	20.			
Carbon Disulfide	PPBv	ND	01/27/06	TPH	20.			
Carbon Tetrachloride	PPBv	ND	01/27/06	TPH	20.			
Chlorobenzene	PPBv	ND	01/27/06	TPH	20.			
Chlorodibromomethane	PPBv	ND	01/27/06	TPH	20.			
Chloroethane	PPBv	ND	01/27/06	TPH	20.			
Chloroform	PPBv	ND	01/27/06	TPH	20.			
Chloromethane	PPBv	ND	01/27/06	TPH	20.			
Cyclohexane	PPBv	ND	01/27/06	TPH	20.			
1,2-Dibromoethane	PPBv	ND	01/27/06	TPH	20.			
1,2-Dichlorobenzene	PPBv	ND	01/27/06	TPH	20.			
1,3-Dichlorobenzene	PPBv	ND	01/27/06	TPH	20.			
1,4-Dichlorobenzene	PPBv	ND	01/27/06	TPH	20.			
Dichlorodifluoromethane	PPBv	ND	01/27/06	TPH	20.			
1,1-Dichloroethane	PPBv	ND	01/27/06	TPH	20.			
1,2-Dichloroethane	PPBv	ND	01/27/06	TPH	20.			
1,1-Dichloroethylene	PPBv	ND	01/27/06	TPH	20.			
cis-1,2-Dichloroethylene	PPBv	ND	01/27/06	TPH	20.			
t-1,2-Dichloroethylene	PPBv	ND	01/27/06	TPH	20.			
1,2-Dichloropropane	PPBv	ND	01/27/06	TPH	20.			
cis-1,3-Dichloropropene	PPBv	ND	01/27/06	TPH	20.			
trans-1,3-Dichloropropene	PPBv	ND	01/27/06	TPH	20.			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	01/27/06	TPH	20.			
Ethanol	PPBv	23.	01/27/06	TPH	20.			

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Purchase Order No.: 53063

2/1/2006

Page 11 of 25

Project Location: SOUTH MESA

Date Received: 1/16/2006

Field Sample #: VW-7B

LIMS-BAT #: LIMS-94660

Job Number: 4972-04-2034

Sample ID : *06B01543

Sampled : 1/12/2006

AIR

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	PPBv	ND	01/27/06	TPH	20.		
Ethylbenzene	PPBv	ND	01/27/06	TPH	20.		
4-Ethyl Toluene	PPBv	ND	01/27/06	TPH	20.		
n-Heptane	PPBv	ND	01/27/06	TPH	20.		
Hexachlorobutadiene	PPBv	ND	01/27/06	TPH	20.		
Hexane	PPBv	ND	01/27/06	TPH	20.		
2-Hexanone	PPBv	ND	01/27/06	TPH	20.		
Isopropanol	PPBv	ND	01/27/06	TPH	20.		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	01/27/06	TPH	20.		
Methylene Chloride	PPBv	33.	01/27/06	TPH	20.		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	01/27/06	TPH	20.		
Propene	PPBv	ND	01/27/06	TPH	20.		
Styrene	PPBv	ND	01/27/06	TPH	20.		
1,1,2,2-Tetrachloroethane	PPBv	ND	01/27/06	TPH	20.		
Tetrachloroethylene	PPBv	710	01/27/06	TPH	20.		
Tetrahydrofuran	PPBv	ND	01/27/06	TPH	20.		
Toluene	PPBv	ND	01/27/06	TPH	20.		
1,2,4-Trichlorobenzene	PPBv	ND	01/27/06	TPH	20.		
1,1,1-Trichloroethane	PPBv	ND	01/27/06	TPH	20.		
1,1,2-Trichloroethane	PPBv	ND	01/27/06	TPH	20.		
Trichloroethylene	PPBv	ND	01/27/06	TPH	20.		
Trichlorofluoromethane (Freon 11)	PPBv	ND	01/27/06	TPH	20.		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	01/27/06	TPH	20.		
1,2,4-Trimethylbenzene	PPBv	ND	01/27/06	TPH	20.		
1,3,5-Trimethylbenzene	PPBv	ND	01/27/06	TPH	20.		
Vinyl Acetate	PPBv	ND	01/27/06	TPH	20.		
Vinyl Chloride	PPBv	ND	01/27/06	TPH	20.		
m/p-Xylene	PPBv	ND	01/27/06	TPH	40.		
o-Xylene	PPBv	ND	01/27/06	TPH	20.		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

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* = See end of report for comments and notes applying to this sample



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Purchase Order No.: 53063

2/1/2006

Page 12 of 25

Project Location: SOUTH MESA

Date Received: 1/16/2006

Field Sample #: VW-7B

LIMS-BAT #: LIMS-94660

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

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Purchase Order No.: 53063

2/1/2006

Page 13 of 25

Project Location: SOUTH MESA

Date Received: 1/16/2006

Field Sample #: EFF

LIMS-BAT #: LIMS-94660

Job Number: 4972-04-2034

Sample ID : 06B01540

Sampled : 1/12/2006

AIR

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	68.	01/27/06	TPH	24.		
Benzene	ug/m3	ND	01/27/06	TPH	32.		
Benzyl Chloride	ug/m3	ND	01/27/06	TPH	52.		
Bromodichloromethane	ug/m3	ND	01/27/06	TPH	68.		
Bromomethane	ug/m3	ND	01/27/06	TPH	39.		
1,3-Butadiene	ug/m3	ND	01/27/06	TPH	22.		
2-Butanone (MEK)	ug/m3	ND	01/27/06	TPH	30.		
Carbon Disulfide	ug/m3	ND	01/27/06	TPH	32.		
Carbon Tetrachloride	ug/m3	ND	01/27/06	TPH	62.		
Chlorobenzene	ug/m3	ND	01/27/06	TPH	46.		
Chlorodibromomethane	ug/m3	ND	01/27/06	TPH	86.		
Chloroethane	ug/m3	ND	01/27/06	TPH	27.		
Chloroform	ug/m3	ND	01/27/06	TPH	49.		
Chloromethane	ug/m3	ND	01/27/06	TPH	21.		
Cyclohexane	ug/m3	ND	01/27/06	TPH	34.		
1,2-Dibromoethane	ug/m3	ND	01/27/06	TPH	77.		
1,2-Dichlorobenzene	ug/m3	ND	01/27/06	TPH	61.		
1,3-Dichlorobenzene	ug/m3	ND	01/27/06	TPH	61.		
1,4-Dichlorobenzene	ug/m3	ND	01/27/06	TPH	61.		
Dichlorodifluoromethane	ug/m3	ND	01/27/06	TPH	50.		
1,1-Dichloroethane	ug/m3	ND	01/27/06	TPH	41.		
1,2-Dichloroethane	ug/m3	ND	01/27/06	TPH	41.		
1,1-Dichloroethylene	ug/m3	ND	01/27/06	TPH	40.		
cis-1,2-Dichloroethylene	ug/m3	ND	01/27/06	TPH	40.		
t-1,2-Dichloroethylene	ug/m3	ND	01/27/06	TPH	40.		
1,2-Dichloropropane	ug/m3	ND	01/27/06	TPH	47.		
cis-1,3-Dichloropropene	ug/m3	ND	01/27/06	TPH	46.		
trans-1,3-Dichloropropene	ug/m3	ND	01/27/06	TPH	46.		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	01/27/06	TPH	70.		
Ethanol	ug/m3	41.	01/27/06	TPH	18.		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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2/1/2006
Page 14 of 25

Purchase Order No.: 53063

Project Location: SOUTH MESA
Date Received: 1/16/2006
Field Sample #: EFF

LIMS-BAT #: LIMS-94660
Job Number: 4972-04-2034

Sample ID : 06B01540

Sampled : 1/12/2006

AIR

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	01/27/06	TPH	36.		
Ethylbenzene	ug/m3	ND	01/27/06	TPH	44.		
4-Ethyl Toluene	ug/m3	ND	01/27/06	TPH	50.		
n-Heptane	ug/m3	ND	01/27/06	TPH	40.		
Hexachlorobutadiene	ug/m3	ND	01/27/06	TPH	110		
Hexane	ug/m3	ND	01/27/06	TPH	36.		
2-Hexanone	ug/m3	ND	01/27/06	TPH	40.		
Isopropanol	ug/m3	66.	01/27/06	TPH	24.		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	01/27/06	TPH	36.		
Methylene Chloride	ug/m3	68.	01/27/06	TPH	35.		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	01/27/06	TPH	40.		
Propene	ug/m3	ND	01/27/06	TPH	18.		
Styrene	ug/m3	ND	01/27/06	TPH	43.		
1,1,2,2-Tetrachloroethane	ug/m3	ND	01/27/06	TPH	69.		
Tetrachloroethylene	ug/m3	ND	01/27/06	TPH	68.		
Tetrahydrofuran	ug/m3	ND	01/27/06	TPH	30.		
Toluene	ug/m3	ND	01/27/06	TPH	38.		
1,2,4-Trichlorobenzene	ug/m3	ND	01/27/06	TPH	75.		
1,1,1-Trichloroethane	ug/m3	ND	01/27/06	TPH	55.		
1,1,2-Trichloroethane	ug/m3	ND	01/27/06	TPH	55.		
Trichloroethylene	ug/m3	ND	01/27/06	TPH	54.		
Trichlorofluoromethane	ug/m3	ND	01/27/06	TPH	57.		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	01/27/06	TPH	77.		
1,2,4-Trimethylbenzene	ug/m3	ND	01/27/06	TPH	50.		
1,3,5-Trimethylbenzene	ug/m3	ND	01/27/06	TPH	50.		
Vinyl Acetate	ug/m3	ND	01/27/06	TPH	36.		
Vinyl Chloride	ug/m3	ND	01/27/06	TPH	26.		
m/p-Xylene	ug/m3	ND	01/27/06	TPH	87.		
o-Xylene	ug/m3	ND	01/27/06	TPH	44.		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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Purchase Order No.: 53063

2/1/2006

Page 15 of 25

Project Location: SOUTH MESA

Date Received: 1/16/2006

Field Sample #: EFF

LIMS-BAT #: LIMS-94660

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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Purchase Order No.: 53063

2/1/2006

Page 16 of 25

Project Location: SOUTH MESA

Date Received: 1/16/2006

Field Sample #: INF

LIMS-BAT #: LIMS-94660

Job Number: 4972-04-2034

Sample ID : 06B01542

Sampled : 1/12/2006

AIR

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	ug/m3	33.	01/27/06	TPH	24.			
Benzene	ug/m3	ND	01/27/06	TPH	32.			
Benzyl Chloride	ug/m3	ND	01/27/06	TPH	52.			
Bromodichloromethane	ug/m3	ND	01/27/06	TPH	68.			
Bromomethane	ug/m3	ND	01/27/06	TPH	39.			
1,3-Butadiene	ug/m3	ND	01/27/06	TPH	22.			
2-Butanone (MEK)	ug/m3	ND	01/27/06	TPH	30.			
Carbon Disulfide	ug/m3	ND	01/27/06	TPH	32.			
Carbon Tetrachloride	ug/m3	ND	01/27/06	TPH	62.			
Chlorobenzene	ug/m3	ND	01/27/06	TPH	46.			
Chlorodibromomethane	ug/m3	ND	01/27/06	TPH	86.			
Chloroethane	ug/m3	ND	01/27/06	TPH	27.			
Chloroform	ug/m3	ND	01/27/06	TPH	49.			
Chloromethane	ug/m3	ND	01/27/06	TPH	21.			
Cyclohexane	ug/m3	ND	01/27/06	TPH	34.			
1,2-Dibromoethane	ug/m3	ND	01/27/06	TPH	77.			
1,2-Dichlorobenzene	ug/m3	ND	01/27/06	TPH	61.			
1,3-Dichlorobenzene	ug/m3	ND	01/27/06	TPH	61.			
1,4-Dichlorobenzene	ug/m3	ND	01/27/06	TPH	61.			
Dichlorodifluoromethane	ug/m3	ND	01/27/06	TPH	50.			
1,1-Dichloroethane	ug/m3	ND	01/27/06	TPH	41.			
1,2-Dichloroethane	ug/m3	ND	01/27/06	TPH	41.			
1,1-Dichloroethylene	ug/m3	ND	01/27/06	TPH	40.			
cis-1,2-Dichloroethylene	ug/m3	ND	01/27/06	TPH	40.			
t-1,2-Dichloroethylene	ug/m3	ND	01/27/06	TPH	40.			
1,2-Dichloropropane	ug/m3	ND	01/27/06	TPH	47.			
cis-1,3-Dichloropropene	ug/m3	ND	01/27/06	TPH	46.			
trans-1,3-Dichloropropene	ug/m3	ND	01/27/06	TPH	46.			
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	01/27/06	TPH	70.			
Ethanol	ug/m3	33.	01/27/06	TPH	18.			

RL = Reporting Limit

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Purchase Order No.: 53063

2/1/2006

Page 17 of 25

Project Location: SOUTH MESA

Date Received: 1/16/2006

Field Sample #: INF

LIMS-BAT #: LIMS-94660

Job Number: 4972-04-2034

Sample ID : 06B01542

Sampled : 1/12/2006

AIR

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	01/27/06	TPH	36.		
Ethylbenzene	ug/m3	ND	01/27/06	TPH	44.		
4-Ethyl Toluene	ug/m3	ND	01/27/06	TPH	50.		
n-Heptane	ug/m3	ND	01/27/06	TPH	40.		
Hexachlorobutadiene	ug/m3	ND	01/27/06	TPH	110		
Hexane	ug/m3	ND	01/27/06	TPH	36.		
2-Hexanone	ug/m3	ND	01/27/06	TPH	40.		
Isopropanol	ug/m3	ND	01/27/06	TPH	24.		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	01/27/06	TPH	36.		
Methylene Chloride	ug/m3	56.	01/27/06	TPH	35.		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	01/27/06	TPH	40.		
Propene	ug/m3	ND	01/27/06	TPH	18.		
Styrene	ug/m3	ND	01/27/06	TPH	43.		
1,1,2,2-Tetrachloroethane	ug/m3	ND	01/27/06	TPH	69.		
Tetrachloroethylene	ug/m3	900	01/27/06	TPH	68.		
Tetrahydrofuran	ug/m3	ND	01/27/06	TPH	30.		
Toluene	ug/m3	ND	01/27/06	TPH	38.		
1,2,4-Trichlorobenzene	ug/m3	ND	01/27/06	TPH	75.		
1,1,1-Trichloroethane	ug/m3	ND	01/27/06	TPH	55.		
1,1,2-Trichloroethane	ug/m3	ND	01/27/06	TPH	55.		
Trichloroethylene	ug/m3	ND	01/27/06	TPH	54.		
Trichlorofluoromethane	ug/m3	ND	01/27/06	TPH	57.		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	01/27/06	TPH	77.		
1,2,4-Trimethylbenzene	ug/m3	ND	01/27/06	TPH	50.		
1,3,5-Trimethylbenzene	ug/m3	ND	01/27/06	TPH	50.		
Vinyl Acetate	ug/m3	ND	01/27/06	TPH	36.		
Vinyl Chloride	ug/m3	ND	01/27/06	TPH	26.		
m/p-Xylene	ug/m3	ND	01/27/06	TPH	87.		
o-Xylene	ug/m3	ND	01/27/06	TPH	44.		

RL = Reporting Limit

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Purchase Order No.: 53063

2/1/2006
Page 18 of 25

Project Location: SOUTH MESA
Date Received: 1/16/2006
Field Sample #: INF

LIMS-BAT #: LIMS-94660
Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Purchase Order No.: 53063

2/1/2006

Page 19 of 25

Project Location: SOUTH MESA

Date Received: 1/16/2006

Field Sample #: INT

LIMS-BAT #: LIMS-94660

Job Number: 4972-04-2034

Sample ID : 06B01541

Sampled : 1/12/2006

AIR

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	46.	01/27/06	TPH	24.		
Benzene	ug/m3	ND	01/27/06	TPH	32.		
Benzyl Chloride	ug/m3	ND	01/27/06	TPH	52.		
Bromodichloromethane	ug/m3	ND	01/27/06	TPH	68.		
Bromomethane	ug/m3	ND	01/27/06	TPH	39.		
1,3-Butadiene	ug/m3	ND	01/27/06	TPH	22.		
2-Butanone (MEK)	ug/m3	ND	01/27/06	TPH	30.		
Carbon Disulfide	ug/m3	ND	01/27/06	TPH	32.		
Carbon Tetrachloride	ug/m3	ND	01/27/06	TPH	62.		
Chlorobenzene	ug/m3	ND	01/27/06	TPH	46.		
Chlorodibromomethane	ug/m3	ND	01/27/06	TPH	86.		
Chloroethane	ug/m3	ND	01/27/06	TPH	27.		
Chloroform	ug/m3	ND	01/27/06	TPH	49.		
Chloromethane	ug/m3	ND	01/27/06	TPH	21.		
Cyclohexane	ug/m3	ND	01/27/06	TPH	34.		
1,2-Dibromoethane	ug/m3	ND	01/27/06	TPH	77.		
1,2-Dichlorobenzene	ug/m3	ND	01/27/06	TPH	61.		
1,3-Dichlorobenzene	ug/m3	ND	01/27/06	TPH	61.		
1,4-Dichlorobenzene	ug/m3	ND	01/27/06	TPH	61.		
Dichlorodifluoromethane	ug/m3	ND	01/27/06	TPH	50.		
1,1-Dichloroethane	ug/m3	ND	01/27/06	TPH	41.		
1,2-Dichloroethane	ug/m3	ND	01/27/06	TPH	41.		
1,1-Dichloroethylene	ug/m3	ND	01/27/06	TPH	40.		
cis-1,2-Dichloroethylene	ug/m3	ND	01/27/06	TPH	40.		
t-1,2-Dichloroethylene	ug/m3	ND	01/27/06	TPH	40.		
1,2-Dichloropropane	ug/m3	ND	01/27/06	TPH	47.		
cis-1,3-Dichloropropene	ug/m3	ND	01/27/06	TPH	46.		
trans-1,3-Dichloropropene	ug/m3	ND	01/27/06	TPH	46.		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	01/27/06	TPH	70.		
Ethanol	ug/m3	26.	01/27/06	TPH	18.		

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2/1/2006
Page 20 of 25

Purchase Order No.: 53063

Project Location: SOUTH MESA
Date Received: 1/16/2006
Field Sample #: INT

LIMS-BAT #: LIMS-94660
Job Number: 4972-04-2034

Sample ID : 06B01541

Sampled : 1/12/2006

AIR

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Ethyl Acetate	ug/m3	ND	01/27/06	TPH	36.			
Ethylbenzene	ug/m3	ND	01/27/06	TPH	44.			
4-Ethyl Toluene	ug/m3	ND	01/27/06	TPH	50.			
n-Heptane	ug/m3	ND	01/27/06	TPH	40.			
Hexachlorobutadiene	ug/m3	ND	01/27/06	TPH	110			
Hexane	ug/m3	ND	01/27/06	TPH	36.			
2-Hexanone	ug/m3	ND	01/27/06	TPH	40.			
Isopropanol	ug/m3	ND	01/27/06	TPH	24.			
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	01/27/06	TPH	36.			
Methylene Chloride	ug/m3	57.	01/27/06	TPH	35.			
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	01/27/06	TPH	40.			
Propene	ug/m3	ND	01/27/06	TPH	18.			
Styrene	ug/m3	ND	01/27/06	TPH	43.			
1,1,2,2-Tetrachloroethane	ug/m3	ND	01/27/06	TPH	69.			
Tetrachloroethylene	ug/m3	950	01/27/06	TPH	68.			
Tetrahydrofuran	ug/m3	ND	01/27/06	TPH	30.			
Toluene	ug/m3	ND	01/27/06	TPH	38.			
1,2,4-Trichlorobenzene	ug/m3	ND	01/27/06	TPH	75.			
1,1,1-Trichloroethane	ug/m3	ND	01/27/06	TPH	55.			
1,1,2-Trichloroethane	ug/m3	ND	01/27/06	TPH	55.			
Trichloroethylene	ug/m3	ND	01/27/06	TPH	54.			
Trichlorofluoromethane	ug/m3	ND	01/27/06	TPH	57.			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	01/27/06	TPH	77.			
1,2,4-Trimethylbenzene	ug/m3	ND	01/27/06	TPH	50.			
1,3,5-Trimethylbenzene	ug/m3	ND	01/27/06	TPH	50.			
Vinyl Acetate	ug/m3	ND	01/27/06	TPH	36.			
Vinyl Chloride	ug/m3	ND	01/27/06	TPH	26.			
m/p-Xylene	ug/m3	ND	01/27/06	TPH	87.			
o-Xylene	ug/m3	ND	01/27/06	TPH	44.			

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Purchase Order No.: 53063

2/1/2006

Page 21 of 25

Project Location: SOUTH MESA

Date Received: 1/16/2006

LIMS-BAT #: LIMS-94660

Job Number: 4972-04-2034

Field Sample #: INT

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



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Purchase Order No.: 53063

2/1/2006
Page 22 of 25

Project Location: SOUTH MESA
Date Received: 1/16/2006
Field Sample #: VW-7B

LIMS-BAT #: LIMS-94660
Job Number: 4972-04-2034

Sample ID : 06B01543

Sampled : 1/12/2006

AIR

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	ug/m3	49.	01/27/06	TPH	48.			
Benzene	ug/m3	ND	01/27/06	TPH	64.			
Benzyl Chloride	ug/m3	ND	01/27/06	TPH	110			
Bromodichloromethane	ug/m3	ND	01/27/06	TPH	140			
Bromomethane	ug/m3	ND	01/27/06	TPH	78.			
1,3-Butadiene	ug/m3	ND	01/27/06	TPH	44.			
2-Butanone (MEK)	ug/m3	ND	01/27/06	TPH	60.			
Carbon Disulfide	ug/m3	ND	01/27/06	TPH	64.			
Carbon Tetrachloride	ug/m3	ND	01/27/06	TPH	130			
Chlorobenzene	ug/m3	ND	01/27/06	TPH	92.			
Chlorodibromomethane	ug/m3	ND	01/27/06	TPH	180			
Chloroethane	ug/m3	ND	01/27/06	TPH	53.			
Chloroform	ug/m3	ND	01/27/06	TPH	98.			
Chloromethane	ug/m3	ND	01/27/06	TPH	42.			
Cyclohexane	ug/m3	ND	01/27/06	TPH	68.			
1,2-Dibromoethane	ug/m3	ND	01/27/06	TPH	160			
1,2-Dichlorobenzene	ug/m3	ND	01/27/06	TPH	130			
1,3-Dichlorobenzene	ug/m3	ND	01/27/06	TPH	130			
1,4-Dichlorobenzene	ug/m3	ND	01/27/06	TPH	130			
Dichlorodifluoromethane	ug/m3	ND	01/27/06	TPH	99.			
1,1-Dichloroethane	ug/m3	ND	01/27/06	TPH	81.			
1,2-Dichloroethane	ug/m3	ND	01/27/06	TPH	81.			
1,1-Dichloroethylene	ug/m3	ND	01/27/06	TPH	80.			
cis-1,2-Dichloroethylene	ug/m3	ND	01/27/06	TPH	80.			
t-1,2-Dichloroethylene	ug/m3	ND	01/27/06	TPH	80.			
1,2-Dichloropropane	ug/m3	ND	01/27/06	TPH	93.			
cis-1,3-Dichloropropene	ug/m3	ND	01/27/06	TPH	91.			
trans-1,3-Dichloropropene	ug/m3	ND	01/27/06	TPH	91.			
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	01/27/06	TPH	140			
Ethanol	ug/m3	44.	01/27/06	TPH	36.			

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* = See end of report for comments and notes applying to this sample



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JIM CLARKE

MACTEC ENGINEERING & CONSULTING - AZ

3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Purchase Order No.: 53063

2/1/2006

Page 23 of 25

Project Location: SOUTH MESA

Date Received: 1/16/2006

Field Sample #: VW-7B

LIMS-BAT #: LIMS-94660

Job Number: 4972-04-2034

Sample ID : 06B01543

Sampled : 1/12/2006

AIR

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	01/27/06	TPH	72.		
Ethylbenzene	ug/m3	ND	01/27/06	TPH	87.		
4-Ethyl Toluene	ug/m3	ND	01/27/06	TPH	100		
n-Heptane	ug/m3	ND	01/27/06	TPH	80.		
Hexachlorobutadiene	ug/m3	ND	01/27/06	TPH	220		
Hexane	ug/m3	ND	01/27/06	TPH	72.		
2-Hexanone	ug/m3	ND	01/27/06	TPH	80.		
Isopropanol	ug/m3	ND	01/27/06	TPH	48.		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	01/27/06	TPH	72.		
Methylene Chloride	ug/m3	110	01/27/06	TPH	70.		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	01/27/06	TPH	80.		
Propene	ug/m3	ND	01/27/06	TPH	36.		
Styrene	ug/m3	ND	01/27/06	TPH	86.		
1,1,2,2-Tetrachloroethane	ug/m3	ND	01/27/06	TPH	140		
Tetrachloroethylene	ug/m3	4800	01/27/06	TPH	140.		
Tetrahydrofuran	ug/m3	ND	01/27/06	TPH	60.		
Toluene	ug/m3	ND	01/27/06	TPH	76.		
1,2,4-Trichlorobenzene	ug/m3	ND	01/27/06	TPH	150		
1,1,1-Trichloroethane	ug/m3	ND	01/27/06	TPH	110		
1,1,2-Trichloroethane	ug/m3	ND	01/27/06	TPH	110		
Trichloroethylene	ug/m3	ND	01/27/06	TPH	110		
Trichlorofluoromethane	ug/m3	ND	01/27/06	TPH	120		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	01/27/06	TPH	160		
1,2,4-Trimethylbenzene	ug/m3	ND	01/27/06	TPH	99.		
1,3,5-Trimethylbenzene	ug/m3	ND	01/27/06	TPH	99.		
Vinyl Acetate	ug/m3	ND	01/27/06	TPH	72.		
Vinyl Chloride	ug/m3	ND	01/27/06	TPH	52.		
m/p-Xylene	ug/m3	ND	01/27/06	TPH	180		
o-Xylene	ug/m3	ND	01/27/06	TPH	87.		

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PHOENIX, AZ 85040

2/1/2006

Page 24 of 25

Purchase Order No.: 53063

Project Location: SOUTH MESA

LIMS-BAT #: LIMS-94660

Date Received: 1/16/2006

Job Number: 4972-04-2034

Field Sample #: VW-7B

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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PHOENIX, AZ 85040

Purchase Order No.: 53063

2/1/2006

Page 25 of 25

Project Location: SOUTH MESA

Date Received: 1/16/2006

LIMS-BAT #: LIMS-94660

Job Number: 4972-04-2034

The following notes were attached to the reported analysis :

Sample ID: * 06B01540

Analysis: to-15 ppbv

ELEVATED METHOD DETECTION LIMIT DUE TO INSUFFICIENT SAMPLE VOLUME.

Sample ID: * 06B01541

Analysis: to-15 ppbv

ELEVATED METHOD DETECTION LIMIT DUE TO INSUFFICIENT SAMPLE VOLUME.

Sample ID: * 06B01542

Analysis: to-15 ppbv

ELEVATED METHOD DETECTION LIMIT DUE TO INSUFFICIENT SAMPLE VOLUME.

Sample ID: * 06B01543

Analysis: to-15 ppbv

ELEVATED METHOD DETECTION LIMIT DUE TO INSUFFICIENT SAMPLE VOLUME.

** END OF REPORT **

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/1/2006

Lims Bat #: LIMS-94660

Page 1 of 7

QC Batch Number: BATCH-10407

Sample Id	Analysis	QC Analysis	Values	Units	Limits
06B01540	4-Bromofluorobenzene	Surrogate Recovery	82.1	%	70-130
06B01541	4-Bromofluorobenzene	Surrogate Recovery	81.2	%	70-130
06B01542	4-Bromofluorobenzene	Surrogate Recovery	80.5	%	70-130
06B01543	4-Bromofluorobenzene	Surrogate Recovery	81.5	%	70-130
BLANK-83687	Acetone	Blank	<1.2	ug/m3	
	Benzene	Blank	<1.6	ug/m3	
	Carbon Tetrachloride	Blank	<3.1	ug/m3	
	Chloroform	Blank	<2.5	ug/m3	
	1,2-Dichloroethane	Blank	<2.1	ug/m3	
	1,4-Dichlorobenzene	Blank	<3.1	ug/m3	
	Ethyl Acetate	Blank	<1.8	ug/m3	
	Ethylbenzene	Blank	<2.2	ug/m3	
	Hexane	Blank	<1.8	ug/m3	
	Isopropanol	Blank	<1.2	ug/m3	
	2-Butanone (MEK)	Blank	<1.5	ug/m3	
	4-Methyl-2-Pentanone (MIBK)	Blank	<2.0	ug/m3	
	Styrene	Blank	<2.2	ug/m3	
	Tetrachloroethylene	Blank	<3.4	ug/m3	
	Toluene	Blank	<1.9	ug/m3	
	1,1,1-Trichloroethane	Blank	<2.8	ug/m3	
	Trichloroethylene	Blank	<2.7	ug/m3	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<3.9	ug/m3	
	Trichlorofluoromethane	Blank	<2.9	ug/m3	
	o-Xylene	Blank	<2.2	ug/m3	
	m/p-Xylene	Blank	<4.4	ug/m3	
	1,2-Dichlorobenzene	Blank	<3.1	ug/m3	
	1,3-Dichlorobenzene	Blank	<3.1	ug/m3	
	1,1-Dichloroethane	Blank	<2.1	ug/m3	
	1,1-Dichloroethylene	Blank	<2.0	ug/m3	
	Ethanol	Blank	1.1	ug/m3	
	4-Ethyl Toluene	Blank	<2.5	ug/m3	
	Methyl tert-Butyl Ether (MTBE)	Blank	<1.8	ug/m3	
	t-1,2-Dichloroethylene	Blank	<2.0	ug/m3	
	Vinyl Chloride	Blank	<1.3	ug/m3	
	Methylene Chloride	Blank	5.6	ug/m3	
	Chlorobenzene	Blank	<2.3	ug/m3	
	Chloromethane	Blank	<1.1	ug/m3	
	Bromomethane	Blank	<2.0	ug/m3	
	Chloroethane	Blank	<1.4	ug/m3	



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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/1/2006

Lims Bat #: LIMS-94660

Page 2 of 7

QC Batch Number: BATCH-10407

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-83687	cis-1,3-Dichloropropene	Blank	<2.3	ug/m3	
	trans-1,3-Dichloropropene	Blank	<2.3	ug/m3	
	Chlorodibromomethane	Blank	<4.3	ug/m3	
	1,1,2-Trichloroethane	Blank	<2.8	ug/m3	
	1,1,2,2-Tetrachloroethane	Blank	<3.5	ug/m3	
	Hexachlorobutadiene	Blank	<5.4	ug/m3	
	1,2,4-Trichlorobenzene	Blank	<3.8	ug/m3	
	1,2,4-Trimethylbenzene	Blank	<2.5	ug/m3	
	1,3,5-Trimethylbenzene	Blank	<2.5	ug/m3	
	Cyclohexane	Blank	<1.7	ug/m3	
	cis-1,2-Dichloroethylene	Blank	<2.0	ug/m3	
	1,2-Dichloropropane	Blank	<2.4	ug/m3	
	Dichlorodifluoromethane	Blank	<2.5	ug/m3	
	Benzyl Chloride	Blank	<2.6	ug/m3	
	Carbon Disulfide	Blank	<1.6	ug/m3	
	Vinyl Acetate	Blank	<1.8	ug/m3	
	2-Hexanone	Blank	<2.0	ug/m3	
	Bromodichloromethane	Blank	<3.4	ug/m3	
	1,2-Dibromoethane	Blank	<3.9	ug/m3	
	n-Heptane	Blank	<2.0	ug/m3	
	1,2-Dichlorotetrafluoroethane (114)	Blank	<3.5	ug/m3	
	Tetrahydrofuran	Blank	<1.5	ug/m3	
	Propene	Blank	<0.9	ug/m3	
	1,3-Butadiene	Blank	<1.1	ug/m3	
LFBLANK-48196	Acetone	Lab Fort Blank Amt.	23.8	ug/m3	
		Lab Fort Blk. Found	34.3	ug/m3	
		Lab Fort Blk. % Rec.	144.4	%	50-150
	Benzene	Lab Fort Blank Amt.	31.9	ug/m3	
		Lab Fort Blk. Found	26.7	ug/m3	
		Lab Fort Blk. % Rec.	83.6	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	62.9	ug/m3	
		Lab Fort Blk. Found	61.8	ug/m3	
		Lab Fort Blk. % Rec.	98.2	%	70-130
	Chloroform	Lab Fort Blank Amt.	48.7	ug/m3	
		Lab Fort Blk. Found	43.0	ug/m3	
		Lab Fort Blk. % Rec.	88.4	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	40.5	ug/m3	
		Lab Fort Blk. Found	40.2	ug/m3	
		Lab Fort Blk. % Rec.	99.4	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	60.1	ug/m3	
		Lab Fort Blk. Found	76.7	ug/m3	
		Lab Fort Blk. % Rec.	127.5	%	70-130



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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/1/2006

Lims Bat #: LIMS-94660

Page 3 of 7

QC Batch Number: BATCH-10407

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-48196	Ethyl Acetate	Lab Fort Blank Amt.	36.0	ug/m3	
		Lab Fort Blk. Found	38.3	ug/m3	
		Lab Fort Blk. % Rec.	106.3	%	50-150
	Ethylbenzene	Lab Fort Blank Amt.	43.4	ug/m3	
		Lab Fort Blk. Found	40.6	ug/m3	
		Lab Fort Blk. % Rec.	93.7	%	70-130
	Hexane	Lab Fort Blank Amt.	35.2	ug/m3	
		Lab Fort Blk. Found	35.5	ug/m3	
		Lab Fort Blk. % Rec.	100.8	%	70-130
	Isopropanol	Lab Fort Blank Amt.	24.6	ug/m3	
		Lab Fort Blk. Found	33.6	ug/m3	
		Lab Fort Blk. % Rec.	136.8	%	50-150
	2-Butanone (MEK)	Lab Fort Blank Amt.	29.5	ug/m3	
		Lab Fort Blk. Found	31.5	ug/m3	
		Lab Fort Blk. % Rec.	106.7	%	70-130
	4-Methyl-2-Pentanone (MIBK)	Lab Fort Blank Amt.	41.0	ug/m3	
		Lab Fort Blk. Found	48.4	ug/m3	
		Lab Fort Blk. % Rec.	118.2	%	70-130
	Styrene	Lab Fort Blank Amt.	42.5	ug/m3	
		Lab Fort Blk. Found	38.8	ug/m3	
		Lab Fort Blk. % Rec.	91.3	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	67.8	ug/m3	
		Lab Fort Blk. Found	71.5	ug/m3	
		Lab Fort Blk. % Rec.	105.5	%	70-130
	Toluene	Lab Fort Blank Amt.	37.6	ug/m3	
		Lab Fort Blk. Found	33.4	ug/m3	
		Lab Fort Blk. % Rec.	88.7	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	54.6	ug/m3	
		Lab Fort Blk. Found	50.7	ug/m3	
		Lab Fort Blk. % Rec.	92.9	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	53.7	ug/m3	
		Lab Fort Blk. Found	47.3	ug/m3	
		Lab Fort Blk. % Rec.	88.0	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	76.6	ug/m3	
		Lab Fort Blk. Found	63.9	ug/m3	
		Lab Fort Blk. % Rec.	83.4	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	56.2	ug/m3	
		Lab Fort Blk. Found	57.4	ug/m3	
		Lab Fort Blk. % Rec.	102.1	%	70-130
	o-Xylene	Lab Fort Blank Amt.	43.4	ug/m3	
		Lab Fort Blk. Found	44.8	ug/m3	
		Lab Fort Blk. % Rec.	103.1	%	70-130
	m/p-Xylene	Lab Fort Blank Amt.	86.9	ug/m3	



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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/1/2006

Lims Bat #: LIMS-94660

Page 4 of 7

QC Batch Number: BATCH-10407

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-48196	m/p-Xylene	Lab Fort Blk. Found	83.3	ug/m3	
		Lab Fort Blk. % Rec.	95.9	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	60.1	ug/m3	
		Lab Fort Blk. Found	80.7	ug/m3	
		Lab Fort Blk. % Rec.	134.2	%	70-130
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	60.1	ug/m3	
		Lab Fort Blk. Found	79.0	ug/m3	
		Lab Fort Blk. % Rec.	131.4	%	70-130
	1,1-Dichloroethane	Lab Fort Blank Amt.	40.5	ug/m3	
		Lab Fort Blk. Found	36.0	ug/m3	
		Lab Fort Blk. % Rec.	88.8	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	39.7	ug/m3	
		Lab Fort Blk. Found	36.6	ug/m3	
		Lab Fort Blk. % Rec.	92.3	%	70-130
	Ethanol	Lab Fort Blank Amt.	18.8	ug/m3	
		Lab Fort Blk. Found	19.6	ug/m3	
		Lab Fort Blk. % Rec.	103.8	%	50-150
	4-Ethyl Toluene	Lab Fort Blank Amt.	49.2	ug/m3	
		Lab Fort Blk. Found	48.5	ug/m3	
		Lab Fort Blk. % Rec.	98.7	%	50-150
	Methyl tert-Butyl Ether (MTBE)	Lab Fort Blank Amt.	36.1	ug/m3	
		Lab Fort Blk. Found	31.4	ug/m3	
		Lab Fort Blk. % Rec.	87.1	%	70-130
	t-1,2-Dichloroethylene	Lab Fort Blank Amt.	39.6	ug/m3	
		Lab Fort Blk. Found	34.7	ug/m3	
		Lab Fort Blk. % Rec.	87.4	%	70-130
	Vinyl Chloride	Lab Fort Blank Amt.	25.6	ug/m3	
		Lab Fort Blk. Found	25.2	ug/m3	
		Lab Fort Blk. % Rec.	98.4	%	70-130
	Methylene Chloride	Lab Fort Blank Amt.	34.7	ug/m3	
		Lab Fort Blk. Found	34.7	ug/m3	
		Lab Fort Blk. % Rec.	100.0	%	70-130
	Chlorobenzene	Lab Fort Blank Amt.	46.1	ug/m3	
		Lab Fort Blk. Found	46.4	ug/m3	
		Lab Fort Blk. % Rec.	100.8	%	70-130
	Chloromethane	Lab Fort Blank Amt.	20.7	ug/m3	
		Lab Fort Blk. Found	21.4	ug/m3	
		Lab Fort Blk. % Rec.	103.4	%	70-130
	Bromomethane	Lab Fort Blank Amt.	38.8	ug/m3	
		Lab Fort Blk. Found	34.7	ug/m3	
		Lab Fort Blk. % Rec.	89.5	%	70-130
	Chloroethane	Lab Fort Blank Amt.	26.4	ug/m3	
		Lab Fort Blk. Found	26.7	ug/m3	



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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/1/2006

Lims Bat #: LIMS-94660

Page 5 of 7

QC Batch Number: BATCH-10407

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-48196					
	Chloroethane	Lab Fort Blk. % Rec.	101.2	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	45.4	ug/m3	
		Lab Fort Blk. Found	40.2	ug/m3	
		Lab Fort Blk. % Rec.	88.6	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	45.4	ug/m3	
		Lab Fort Blk. Found	42.7	ug/m3	
		Lab Fort Blk. % Rec.	94.1	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	85.2	ug/m3	
		Lab Fort Blk. Found	95.2	ug/m3	
		Lab Fort Blk. % Rec.	111.8	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	54.6	ug/m3	
		Lab Fort Blk. Found	50.9	ug/m3	
		Lab Fort Blk. % Rec.	93.3	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	68.7	ug/m3	
		Lab Fort Blk. Found	72.9	ug/m3	
		Lab Fort Blk. % Rec.	106.2	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	106.7	ug/m3	
		Lab Fort Blk. Found	100.7	ug/m3	
		Lab Fort Blk. % Rec.	94.4	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	74.2	ug/m3	
		Lab Fort Blk. Found	81.4	ug/m3	
		Lab Fort Blk. % Rec.	109.7	%	70-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	49.2	ug/m3	
		Lab Fort Blk. Found	50.0	ug/m3	
		Lab Fort Blk. % Rec.	101.8	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	49.2	ug/m3	
		Lab Fort Blk. Found	49.0	ug/m3	
		Lab Fort Blk. % Rec.	99.6	%	70-130
	Cyclohexane	Lab Fort Blank Amt.	34.4	ug/m3	
		Lab Fort Blk. Found	30.3	ug/m3	
		Lab Fort Blk. % Rec.	87.9	%	50-150
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	39.7	ug/m3	
		Lab Fort Blk. Found	35.8	ug/m3	
		Lab Fort Blk. % Rec.	90.4	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	46.2	ug/m3	
		Lab Fort Blk. Found	43.9	ug/m3	
		Lab Fort Blk. % Rec.	95.0	%	70-130
	Dichlorodifluoromethane	Lab Fort Blank Amt.	49.5	ug/m3	
		Lab Fort Blk. Found	46.9	ug/m3	
		Lab Fort Blk. % Rec.	94.9	%	70-130
	Benzyl Chloride	Lab Fort Blank Amt.	51.8	ug/m3	
		Lab Fort Blk. Found	55.9	ug/m3	
		Lab Fort Blk. % Rec.	107.9	%	70-130



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Method Blanks

Report Date: 2/1/2006

Lims Bat #: LIMS-94660

Page 6 of 7

QC Batch Number: BATCH-10407

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-48196	Carbon Disulfide	Lab Fort Blank Amt.	31.1	ug/m3	
		Lab Fort Blk. Found	24.4	ug/m3	
		Lab Fort Blk. % Rec.	78.3	%	70-130
	Vinyl Acetate	Lab Fort Blank Amt.	35.2	ug/m3	
		Lab Fort Blk. Found	37.7	ug/m3	
		Lab Fort Blk. % Rec.	107.1	%	70-130
	2-Hexanone	Lab Fort Blank Amt.	41.0	ug/m3	
		Lab Fort Blk. Found	48.8	ug/m3	
		Lab Fort Blk. % Rec.	119.1	%	50-150
	Bromodichloromethane	Lab Fort Blank Amt.	67.0	ug/m3	
		Lab Fort Blk. Found	63.3	ug/m3	
		Lab Fort Blk. % Rec.	94.4	%	70-130
	1,2-Dibromoethane	Lab Fort Blank Amt.	76.9	ug/m3	
		Lab Fort Blk. Found	76.1	ug/m3	
		Lab Fort Blk. % Rec.	99.0	%	70-130
	n-Heptane	Lab Fort Blank Amt.	41.0	ug/m3	
		Lab Fort Blk. Found	38.5	ug/m3	
		Lab Fort Blk. % Rec.	94.0	%	50-150
	1,2-Dichlorotetrafluoroethane (114)	Lab Fort Blank Amt.	69.9	ug/m3	
		Lab Fort Blk. Found	64.8	ug/m3	
		Lab Fort Blk. % Rec.	92.7	%	70-130
	Tetrahydrofuran	Lab Fort Blank Amt.	29.5	ug/m3	
		Lab Fort Blk. Found	30.9	ug/m3	
		Lab Fort Blk. % Rec.	104.9	%	50-150
	Propene	Lab Fort Blank Amt.	17.2	ug/m3	
		Lab Fort Blk. Found	17.3	ug/m3	
		Lab Fort Blk. % Rec.	100.6	%	50-150
	1,3-Butadiene	Lab Fort Blank Amt.	22.1	ug/m3	
		Lab Fort Blk. Found	24.2	ug/m3	
		Lab Fort Blk. % Rec.	109.5	%	70-130



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/1/2006

Lims Bat #: LIMS-94660

Page 7 of 7

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken through all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries



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REPORT DATE 2/1/2006

MACTEC ENGINEERING & CONSULTING - AZ
3630 EAST WIER AVENUE
PHOENIX, AZ 85040
ATTN: JIM CLARK

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 53063

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-94660
JOB NUMBER: 4972-04-2034

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: SOUTH MESA

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST
*EFF	06B01540	AIR	AIR	to-15 ppbv
*EFF	06B01540	AIR	AIR	to-15 ug/m3
*INF	06B01542	AIR	AIR	to-15 ppbv
*INF	06B01542	AIR	AIR	to-15 ug/m3
*INT	06B01541	AIR	AIR	to-15 ppbv
*INT	06B01541	AIR	AIR	to-15 ug/m3
*VW-7B	06B01543	AIR	AIR	to-15 ppbv
*VW-7B	06B01543	AIR	AIR	to-15 ug/m3

Comments :

LIMS BATCH NO. : LIMS-94660

REVISED REPORT

IN METHOD TO-15 FOR SAMPLES 06B01540-06B01543, THE REPORTED RESULTS FOR 1,2-DICHLOROBENZENE, 1,3-DICHLOROBENZENE, MIBK AND 1,4-DICHLOROBENZENE ARE ESTIMATED. EITHER THE INITIAL OR CONTINUING CALIBRATION DID NOT MEET REQUIRED CRITERIA.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations :

AIHA 100033	AIHA ELLAP (LEAD) 100033	
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	ARIZONA AZ0648
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	ARIZONA AZ0654 (AIR)

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Tod Kopyscinski 2/1/06
SIGNATURE DATE

Tod Kopyscinski
Director of Operations

Sondra L. Slesinski
Quality Assurance Officer

Edward Denson
Technical Director

* See end of data tabulation for notes and comments pertaining to this sample



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JIM CLARK

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Purchase Order No.: 53063

2/1/2006

Page 1 of 25

Project Location: SOUTH MESA

Date Received: 1/16/2006

Field Sample #: EFF

Sample ID: *06B01540

Sampled: 1/12/2006

AIR

Sample Matrix: AIR

Sample Medium : SUMMA

LIMS-BAT #: LIMS-94660

Job Number: 4972-04-2034

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	PPBv	29.	01/27/06	TPH	10.		
Benzene	PPBv	ND	01/27/06	TPH	10.		
Benzyl Chloride	PPBv	ND	01/27/06	TPH	10.		
Bromodichloromethane	PPBv	ND	01/27/06	TPH	10.		
Bromomethane	PPBv	ND	01/27/06	TPH	10.		
1,3-Butadiene	PPBv	ND	01/27/06	TPH	10.		
2-Butanone (MEK)	PPBv	ND	01/27/06	TPH	10.		
Carbon Disulfide	PPBv	ND	01/27/06	TPH	10.		
Carbon Tetrachloride	PPBv	ND	01/27/06	TPH	10.		
Chlorobenzene	PPBv	ND	01/27/06	TPH	10.		
Chlorodibromomethane	PPBv	ND	01/27/06	TPH	10.		
Chloroethane	PPBv	ND	01/27/06	TPH	10.		
Chloroform	PPBv	ND	01/27/06	TPH	10.		
Chloromethane	PPBv	ND	01/27/06	TPH	10.		
Cyclohexane	PPBv	ND	01/27/06	TPH	10.		
1,2-Dibromoethane	PPBv	ND	01/27/06	TPH	10.		
1,2-Dichlorobenzene	PPBv	ND	01/27/06	TPH	10.		
1,3-Dichlorobenzene	PPBv	ND	01/27/06	TPH	10.		
1,4-Dichlorobenzene	PPBv	ND	01/27/06	TPH	10.		
Dichlorodifluoromethane	PPBv	ND	01/27/06	TPH	10.		
1,1-Dichloroethane	PPBv	ND	01/27/06	TPH	10.		
1,2-Dichloroethane	PPBv	ND	01/27/06	TPH	10.		
1,1-Dichloroethylene	PPBv	ND	01/27/06	TPH	10.		
cis-1,2-Dichloroethylene	PPBv	ND	01/27/06	TPH	10.		
t-1,2-Dichloroethylene	PPBv	ND	01/27/06	TPH	10.		
1,2-Dichloropropane	PPBv	ND	01/27/06	TPH	10.		
cis-1,3-Dichloropropene	PPBv	ND	01/27/06	TPH	10.		
trans-1,3-Dichloropropene	PPBv	ND	01/27/06	TPH	10.		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	01/27/06	TPH	10.		
Ethanol	PPBv	22.	01/27/06	TPH	10.		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



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Purchase Order No.: 53063

2/1/2006
Page 2 of 25

Project Location: SOUTH MESA
Date Received: 1/16/2006
Field Sample #: EFF

LIMS-BAT #: LIMS-94660
Job Number: 4972-04-2034

Sample ID : *06B01540

Sampled : 1/12/2006

AIR

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Ethyl Acetate	PPBv	ND	01/27/06	TPH	10.			
Ethylbenzene	PPBv	ND	01/27/06	TPH	10.			
4-Ethyl Toluene	PPBv	ND	01/27/06	TPH	10.			
n-Heptane	PPBv	ND	01/27/06	TPH	10.			
Hexachlorobutadiene	PPBv	ND	01/27/06	TPH	10.			
Hexane	PPBv	ND	01/27/06	TPH	10.			
2-Hexanone	PPBv	ND	01/27/06	TPH	10.			
Isopropanol	PPBv	27.	01/27/06	TPH	10.			
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	01/27/06	TPH	10.			
Methylene Chloride	PPBv	20.	01/27/06	TPH	10.			
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	01/27/06	TPH	10.			
Propene	PPBv	ND	01/27/06	TPH	10.			
Styrene	PPBv	ND	01/27/06	TPH	10.			
1,1,2,2-Tetrachloroethane	PPBv	ND	01/27/06	TPH	10.			
Tetrachloroethylene	PPBv	ND	01/27/06	TPH	10.			
Tetrahydrofuran	PPBv	ND	01/27/06	TPH	10.			
Toluene	PPBv	ND	01/27/06	TPH	10.			
1,2,4-Trichlorobenzene	PPBv	ND	01/27/06	TPH	10.			
1,1,1-Trichloroethane	PPBv	ND	01/27/06	TPH	10.			
1,1,2-Trichloroethane	PPBv	ND	01/27/06	TPH	10.			
Trichloroethylene	PPBv	ND	01/27/06	TPH	10.			
Trichlorofluoromethane (Freon 11)	PPBv	ND	01/27/06	TPH	10.			
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	01/27/06	TPH	10.			
1,2,4-Trimethylbenzene	PPBv	ND	01/27/06	TPH	10.			
1,3,5-Trimethylbenzene	PPBv	ND	01/27/06	TPH	10.			
Vinyl Acetate	PPBv	ND	01/27/06	TPH	10.			
Vinyl Chloride	PPBv	ND	01/27/06	TPH	10.			
m/p-Xylene	PPBv	ND	01/27/06	TPH	20.			
o-Xylene	PPBv	ND	01/27/06	TPH	10.			

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Purchase Order No.: 53063

2/1/2006
Page 3 of 25

Project Location: SOUTH MESA
Date Received: 1/16/2006
Field Sample #: EFF

LIMS-BAT #: LIMS-94660
Job Number: 4972-04-2034

Analytical Method:
EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

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Purchase Order No.: 53063

2/1/2006

Page 4 of 25

Project Location: SOUTH MESA

Date Received: 1/16/2006

Field Sample #: INF

LIMS-BAT #: LIMS-94660

Job Number: 4972-04-2034

Sample ID : *06B01542

Sampled : 1/12/2006

AIR

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	PPBv	14.	01/27/06	TPH	10.		
Benzene	PPBv	ND	01/27/06	TPH	10.		
Benzyl Chloride	PPBv	ND	01/27/06	TPH	10.		
Bromodichloromethane	PPBv	ND	01/27/06	TPH	10.		
Bromomethane	PPBv	ND	01/27/06	TPH	10.		
1,3-Butadiene	PPBv	ND	01/27/06	TPH	10.		
2-Butanone (MEK)	PPBv	ND	01/27/06	TPH	10.		
Carbon Disulfide	PPBv	ND	01/27/06	TPH	10.		
Carbon Tetrachloride	PPBv	ND	01/27/06	TPH	10.		
Chlorobenzene	PPBv	ND	01/27/06	TPH	10.		
Chlorodibromomethane	PPBv	ND	01/27/06	TPH	10.		
Chloroethane	PPBv	ND	01/27/06	TPH	10.		
Chloroform	PPBv	ND	01/27/06	TPH	10.		
Chloromethane	PPBv	ND	01/27/06	TPH	10.		
Cyclohexane	PPBv	ND	01/27/06	TPH	10.		
1,2-Dibromoethane	PPBv	ND	01/27/06	TPH	10.		
1,2-Dichlorobenzene	PPBv	ND	01/27/06	TPH	10.		
1,3-Dichlorobenzene	PPBv	ND	01/27/06	TPH	10.		
1,4-Dichlorobenzene	PPBv	ND	01/27/06	TPH	10.		
Dichlorodifluoromethane	PPBv	ND	01/27/06	TPH	10.		
1,1-Dichloroethane	PPBv	ND	01/27/06	TPH	10.		
1,2-Dichloroethane	PPBv	ND	01/27/06	TPH	10.		
1,1-Dichloroethylene	PPBv	ND	01/27/06	TPH	10.		
cis-1,2-Dichloroethylene	PPBv	ND	01/27/06	TPH	10.		
t-1,2-Dichloroethylene	PPBv	ND	01/27/06	TPH	10.		
1,2-Dichloropropane	PPBv	ND	01/27/06	TPH	10.		
cis-1,3-Dichloropropene	PPBv	ND	01/27/06	TPH	10.		
trans-1,3-Dichloropropene	PPBv	ND	01/27/06	TPH	10.		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	01/27/06	TPH	10.		
Ethanol	PPBv	17.	01/27/06	TPH	10.		

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2/1/2006
Page 5 of 25

Purchase Order No.: 53063

Project Location: SOUTH MESA
Date Received: 1/16/2006
Field Sample #: INF

LIMS-BAT #: LIMS-94660
Job Number: 4972-04-2034

Sample ID : *06B01542

Sampled : 1/12/2006

AIR

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Ethyl Acetate	PPBv	ND	01/27/06	TPH	10.			
Ethylbenzene	PPBv	ND	01/27/06	TPH	10.			
4-Ethyl Toluene	PPBv	ND	01/27/06	TPH	10.			
n-Heptane	PPBv	ND	01/27/06	TPH	10.			
Hexachlorobutadiene	PPBv	ND	01/27/06	TPH	10.			
Hexane	PPBv	ND	01/27/06	TPH	10.			
2-Hexanone	PPBv	ND	01/27/06	TPH	10.			
Isopropanol	PPBv	ND	01/27/06	TPH	10.			
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	01/27/06	TPH	10.			
Methylene Chloride	PPBv	16.	01/27/06	TPH	10.			
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	01/27/06	TPH	10.			
Propene	PPBv	ND	01/27/06	TPH	10.			
Styrene	PPBv	ND	01/27/06	TPH	10.			
1,1,2,2-Tetrachloroethane	PPBv	ND	01/27/06	TPH	10.			
Tetrachloroethylene	PPBv	130	01/27/06	TPH	10.			
Tetrahydrofuran	PPBv	ND	01/27/06	TPH	10.			
Toluene	PPBv	ND	01/27/06	TPH	10.			
1,2,4-Trichlorobenzene	PPBv	ND	01/27/06	TPH	10.			
1,1,1-Trichloroethane	PPBv	ND	01/27/06	TPH	10.			
1,1,2-Trichloroethane	PPBv	ND	01/27/06	TPH	10.			
Trichloroethylene	PPBv	ND	01/27/06	TPH	10.			
Trichlorofluoromethane (Freon 11)	PPBv	ND	01/27/06	TPH	10.			
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	01/27/06	TPH	10.			
1,2,4-Trimethylbenzene	PPBv	ND	01/27/06	TPH	10.			
1,3,5-Trimethylbenzene	PPBv	ND	01/27/06	TPH	10.			
Vinyl Acetate	PPBv	ND	01/27/06	TPH	10.			
Vinyl Chloride	PPBv	ND	01/27/06	TPH	10.			
m/p-Xylene	PPBv	ND	01/27/06	TPH	20.			
o-Xylene	PPBv	ND	01/27/06	TPH	10.			

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Purchase Order No.: 53063

2/1/2006

Page 6 of 25

Project Location: SOUTH MESA

Date Received: 1/16/2006

Field Sample #: INF

LIMS-BAT #: LIMS-94660

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

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2/1/2006
Page 7 of 25

Purchase Order No.: 53063

Project Location: SOUTH MESA
Date Received: 1/16/2006
Field Sample #: INT

LIMS-BAT #: LIMS-94660
Job Number: 4972-04-2034

Sample ID : *06B01541
Sample Matrix: AIR
Sampled : 1/12/2006
AIR
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	PPBv	19.	01/27/06	TPH	10.		
Benzene	PPBv	ND	01/27/06	TPH	10.		
Benzyl Chloride	PPBv	ND	01/27/06	TPH	10.		
Bromodichloromethane	PPBv	ND	01/27/06	TPH	10.		
Bromomethane	PPBv	ND	01/27/06	TPH	10.		
1,3-Butadiene	PPBv	ND	01/27/06	TPH	10.		
2-Butanone (MEK)	PPBv	ND	01/27/06	TPH	10.		
Carbon Disulfide	PPBv	ND	01/27/06	TPH	10.		
Carbon Tetrachloride	PPBv	ND	01/27/06	TPH	10.		
Chlorobenzene	PPBv	ND	01/27/06	TPH	10.		
Chlorodibromomethane	PPBv	ND	01/27/06	TPH	10.		
Chloroethane	PPBv	ND	01/27/06	TPH	10.		
Chloroform	PPBv	ND	01/27/06	TPH	10.		
Chloromethane	PPBv	ND	01/27/06	TPH	10.		
Cyclohexane	PPBv	ND	01/27/06	TPH	10.		
1,2-Dibromoethane	PPBv	ND	01/27/06	TPH	10.		
1,2-Dichlorobenzene	PPBv	ND	01/27/06	TPH	10.		
1,3-Dichlorobenzene	PPBv	ND	01/27/06	TPH	10.		
1,4-Dichlorobenzene	PPBv	ND	01/27/06	TPH	10.		
Dichlorodifluoromethane	PPBv	ND	01/27/06	TPH	10.		
1,1-Dichloroethane	PPBv	ND	01/27/06	TPH	10.		
1,2-Dichloroethane	PPBv	ND	01/27/06	TPH	10.		
1,1-Dichloroethylene	PPBv	ND	01/27/06	TPH	10.		
cis-1,2-Dichloroethylene	PPBv	ND	01/27/06	TPH	10.		
t-1,2-Dichloroethylene	PPBv	ND	01/27/06	TPH	10.		
1,2-Dichloropropane	PPBv	ND	01/27/06	TPH	10.		
cis-1,3-Dichloropropene	PPBv	ND	01/27/06	TPH	10.		
trans-1,3-Dichloropropene	PPBv	ND	01/27/06	TPH	10.		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	01/27/06	TPH	10.		
Ethanol	PPBv	14.	01/27/06	TPH	10.		

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* = See end of report for comments and notes applying to this sample



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Purchase Order No.: 53063

2/1/2006
Page 8 of 25

Project Location: SOUTH MESA
Date Received: 1/16/2006
Field Sample #: INT

LIMS-BAT #: LIMS-94660
Job Number: 4972-04-2034

Sample ID : *06B01541

Sampled : 1/12/2006

AIR

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Ethyl Acetate	PPBv	ND	01/27/06	TPH	10.			
Ethylbenzene	PPBv	ND	01/27/06	TPH	10.			
4-Ethyl Toluene	PPBv	ND	01/27/06	TPH	10.			
n-Heptane	PPBv	ND	01/27/06	TPH	10.			
Hexachlorobutadiene	PPBv	ND	01/27/06	TPH	10.			
Hexane	PPBv	ND	01/27/06	TPH	10.			
2-Hexanone	PPBv	ND	01/27/06	TPH	10.			
Isopropanol	PPBv	ND	01/27/06	TPH	10.			
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	01/27/06	TPH	10.			
Methylene Chloride	PPBv	16.	01/27/06	TPH	10.			
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	01/27/06	TPH	10.			
Propene	PPBv	ND	01/27/06	TPH	10.			
Styrene	PPBv	ND	01/27/06	TPH	10.			
1,1,2,2-Tetrachloroethane	PPBv	ND	01/27/06	TPH	10.			
Tetrachloroethylene	PPBv	140	01/27/06	TPH	10.			
Tetrahydrofuran	PPBv	ND	01/27/06	TPH	10.			
Toluene	PPBv	ND	01/27/06	TPH	10.			
1,2,4-Trichlorobenzene	PPBv	ND	01/27/06	TPH	10.			
1,1,1-Trichloroethane	PPBv	ND	01/27/06	TPH	10.			
1,1,2-Trichloroethane	PPBv	ND	01/27/06	TPH	10.			
Trichloroethylene	PPBv	ND	01/27/06	TPH	10.			
Trichlorofluoromethane (Freon 11)	PPBv	ND	01/27/06	TPH	10.			
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	01/27/06	TPH	10.			
1,2,4-Trimethylbenzene	PPBv	ND	01/27/06	TPH	10.			
1,3,5-Trimethylbenzene	PPBv	ND	01/27/06	TPH	10.			
Vinyl Acetate	PPBv	ND	01/27/06	TPH	10.			
Vinyl Chloride	PPBv	ND	01/27/06	TPH	10.			
m/p-Xylene	PPBv	ND	01/27/06	TPH	20.			
o-Xylene	PPBv	ND	01/27/06	TPH	10.			

RL = Reporting Limit

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Purchase Order No.: 53063

2/1/2006

Page 9 of 25

Project Location: SOUTH MESA

Date Received: 1/16/2006

Field Sample #: INT

LIMS-BAT #: LIMS-94660

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Purchase Order No.: 53063

2/1/2006
Page 10 of 25

Project Location: SOUTH MESA
Date Received: 1/16/2006
Field Sample #: VW-7B

LIMS-BAT #: LIMS-94660
Job Number: 4972-04-2034

Sample ID: *06B01543

Sampled: 1/12/2006

AIR

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	PPBv	21.	01/27/06	TPH	20.		
Benzene	PPBv	ND	01/27/06	TPH	20.		
Benzyl Chloride	PPBv	ND	01/27/06	TPH	20.		
Bromodichloromethane	PPBv	ND	01/27/06	TPH	20.		
Bromomethane	PPBv	ND	01/27/06	TPH	20.		
1,3-Butadiene	PPBv	ND	01/27/06	TPH	20.		
2-Butanone (MEK)	PPBv	ND	01/27/06	TPH	20.		
Carbon Disulfide	PPBv	ND	01/27/06	TPH	20.		
Carbon Tetrachloride	PPBv	ND	01/27/06	TPH	20.		
Chlorobenzene	PPBv	ND	01/27/06	TPH	20.		
Chlorodibromomethane	PPBv	ND	01/27/06	TPH	20.		
Chloroethane	PPBv	ND	01/27/06	TPH	20.		
Chloroform	PPBv	ND	01/27/06	TPH	20.		
Chloromethane	PPBv	ND	01/27/06	TPH	20.		
Cyclohexane	PPBv	ND	01/27/06	TPH	20.		
1,2-Dibromoethane	PPBv	ND	01/27/06	TPH	20.		
1,2-Dichlorobenzene	PPBv	ND	01/27/06	TPH	20.		
1,3-Dichlorobenzene	PPBv	ND	01/27/06	TPH	20.		
1,4-Dichlorobenzene	PPBv	ND	01/27/06	TPH	20.		
Dichlorodifluoromethane	PPBv	ND	01/27/06	TPH	20.		
1,1-Dichloroethane	PPBv	ND	01/27/06	TPH	20.		
1,2-Dichloroethane	PPBv	ND	01/27/06	TPH	20.		
1,1-Dichloroethylene	PPBv	ND	01/27/06	TPH	20.		
cis-1,2-Dichloroethylene	PPBv	ND	01/27/06	TPH	20.		
t-1,2-Dichloroethylene	PPBv	ND	01/27/06	TPH	20.		
1,2-Dichloropropane	PPBv	ND	01/27/06	TPH	20.		
cis-1,3-Dichloropropene	PPBv	ND	01/27/06	TPH	20.		
trans-1,3-Dichloropropene	PPBv	ND	01/27/06	TPH	20.		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	01/27/06	TPH	20.		
Ethanol	PPBv	23.	01/27/06	TPH	20.		

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Purchase Order No.: 53063

2/1/2006

Page 11 of 25

Project Location: SOUTH MESA

Date Received: 1/16/2006

Field Sample #: VW-7B

LIMS-BAT #: LIMS-94660

Job Number: 4972-04-2034

Sample ID: *06B01543

Sampled: 1/12/2006

AIR

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Ethyl Acetate	PPBv	ND	01/27/06	TPH	20.			
Ethylbenzene	PPBv	ND	01/27/06	TPH	20.			
4-Ethyl Toluene	PPBv	ND	01/27/06	TPH	20.			
n-Heptane	PPBv	ND	01/27/06	TPH	20.			
Hexachlorobutadiene	PPBv	ND	01/27/06	TPH	20.			
Hexane	PPBv	ND	01/27/06	TPH	20.			
2-Hexanone	PPBv	ND	01/27/06	TPH	20.			
Isopropanol	PPBv	ND	01/27/06	TPH	20.			
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	01/27/06	TPH	20.			
Methylene Chloride	PPBv	33.	01/27/06	TPH	20.			
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	01/27/06	TPH	20.			
Propene	PPBv	ND	01/27/06	TPH	20.			
Styrene	PPBv	ND	01/27/06	TPH	20.			
1,1,2,2-Tetrachloroethane	PPBv	ND	01/27/06	TPH	20.			
Tetrachloroethylene	PPBv	710	01/27/06	TPH	20.			
Tetrahydrofuran	PPBv	ND	01/27/06	TPH	20.			
Toluene	PPBv	ND	01/27/06	TPH	20.			
1,2,4-Trichlorobenzene	PPBv	ND	01/27/06	TPH	20.			
1,1,1-Trichloroethane	PPBv	ND	01/27/06	TPH	20.			
1,1,2-Trichloroethane	PPBv	ND	01/27/06	TPH	20.			
Trichloroethylene	PPBv	ND	01/27/06	TPH	20.			
Trichlorofluoromethane (Freon 11)	PPBv	ND	01/27/06	TPH	20.			
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	01/27/06	TPH	20.			
1,2,4-Trimethylbenzene	PPBv	ND	01/27/06	TPH	20.			
1,3,5-Trimethylbenzene	PPBv	ND	01/27/06	TPH	20.			
Vinyl Acetate	PPBv	ND	01/27/06	TPH	20.			
Vinyl Chloride	PPBv	ND	01/27/06	TPH	20.			
m/p-Xylene	PPBv	ND	01/27/06	TPH	40.			
o-Xylene	PPBv	ND	01/27/06	TPH	20.			

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2/1/2006
Page 12 of 25

Purchase Order No.: 53063

Project Location: SOUTH MESA

LIMS-BAT #: LIMS-94660

Date Received: 1/16/2006

Job Number: 4972-04-2034

Field Sample #: VW-7B

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Purchase Order No.: 53063

2/1/2006
Page 13 of 25

Project Location: SOUTH MESA
Date Received: 1/16/2006
Field Sample #: EFF

LIMS-BAT #: LIMS-94660
Job Number: 4972-04-2034

Sample ID : 06B01540

Sampled : 1/12/2006

AIR

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	68.	01/27/06	TPH	24.		
Benzene	ug/m3	ND	01/27/06	TPH	32.		
Benzyl Chloride	ug/m3	ND	01/27/06	TPH	52.		
Bromodichloromethane	ug/m3	ND	01/27/06	TPH	68.		
Bromomethane	ug/m3	ND	01/27/06	TPH	39.		
1,3-Butadiene	ug/m3	ND	01/27/06	TPH	22.		
2-Butanone (MEK)	ug/m3	ND	01/27/06	TPH	30.		
Carbon Disulfide	ug/m3	ND	01/27/06	TPH	32.		
Carbon Tetrachloride	ug/m3	ND	01/27/06	TPH	62.		
Chlorobenzene	ug/m3	ND	01/27/06	TPH	46.		
Chlorodibromomethane	ug/m3	ND	01/27/06	TPH	86.		
Chloroethane	ug/m3	ND	01/27/06	TPH	27.		
Chloroform	ug/m3	ND	01/27/06	TPH	49.		
Chloromethane	ug/m3	ND	01/27/06	TPH	21.		
Cyclohexane	ug/m3	ND	01/27/06	TPH	34.		
1,2-Dibromoethane	ug/m3	ND	01/27/06	TPH	77.		
1,2-Dichlorobenzene	ug/m3	ND	01/27/06	TPH	61.		
1,3-Dichlorobenzene	ug/m3	ND	01/27/06	TPH	61.		
1,4-Dichlorobenzene	ug/m3	ND	01/27/06	TPH	61.		
Dichlorodifluoromethane	ug/m3	ND	01/27/06	TPH	50.		
1,1-Dichloroethane	ug/m3	ND	01/27/06	TPH	41.		
1,2-Dichloroethane	ug/m3	ND	01/27/06	TPH	41.		
1,1-Dichloroethylene	ug/m3	ND	01/27/06	TPH	40.		
cis-1,2-Dichloroethylene	ug/m3	ND	01/27/06	TPH	40.		
t-1,2-Dichloroethylene	ug/m3	ND	01/27/06	TPH	40.		
1,2-Dichloropropane	ug/m3	ND	01/27/06	TPH	47.		
cis-1,3-Dichloropropene	ug/m3	ND	01/27/06	TPH	46.		
trans-1,3-Dichloropropene	ug/m3	ND	01/27/06	TPH	46.		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	01/27/06	TPH	70.		
Ethanol	ug/m3	41.	01/27/06	TPH	18.		

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Page 14 of 25

Purchase Order No.: 53063

Project Location: SOUTH MESA
Date Received: 1/16/2006
Field Sample #: EFF

LIMS-BAT #: LIMS-94660
Job Number: 4972-04-2034

Sample ID : 06B01540

Sampled : 1/12/2006

AIR

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	01/27/06	TPH	36.		
Ethylbenzene	ug/m3	ND	01/27/06	TPH	44.		
4-Ethyl Toluene	ug/m3	ND	01/27/06	TPH	50.		
n-Heptane	ug/m3	ND	01/27/06	TPH	40.		
Hexachlorobutadiene	ug/m3	ND	01/27/06	TPH	110		
Hexane	ug/m3	ND	01/27/06	TPH	36.		
2-Hexanone	ug/m3	ND	01/27/06	TPH	40.		
Isopropanol	ug/m3	66.	01/27/06	TPH	24.		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	01/27/06	TPH	36.		
Methylene Chloride	ug/m3	68.	01/27/06	TPH	35.		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	01/27/06	TPH	40.		
Propene	ug/m3	ND	01/27/06	TPH	18.		
Styrene	ug/m3	ND	01/27/06	TPH	43.		
1,1,2,2-Tetrachloroethane	ug/m3	ND	01/27/06	TPH	69.		
Tetrachloroethylene	ug/m3	ND	01/27/06	TPH	68.		
Tetrahydrofuran	ug/m3	ND	01/27/06	TPH	30.		
Toluene	ug/m3	ND	01/27/06	TPH	38.		
1,2,4-Trichlorobenzene	ug/m3	ND	01/27/06	TPH	75.		
1,1,1-Trichloroethane	ug/m3	ND	01/27/06	TPH	55.		
1,1,2-Trichloroethane	ug/m3	ND	01/27/06	TPH	55.		
Trichloroethylene	ug/m3	ND	01/27/06	TPH	54.		
Trichlorofluoromethane	ug/m3	ND	01/27/06	TPH	57.		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	01/27/06	TPH	77.		
1,2,4-Trimethylbenzene	ug/m3	ND	01/27/06	TPH	50.		
1,3,5-Trimethylbenzene	ug/m3	ND	01/27/06	TPH	50.		
Vinyl Acetate	ug/m3	ND	01/27/06	TPH	36.		
Vinyl Chloride	ug/m3	ND	01/27/06	TPH	26.		
m/p-Xylene	ug/m3	ND	01/27/06	TPH	87.		
o-Xylene	ug/m3	ND	01/27/06	TPH	44.		

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Purchase Order No.: 53063

2/1/2006

Page 15 of 25

Project Location: SOUTH MESA

Date Received: 1/16/2006

LIMS-BAT #: LIMS-94660

Job Number: 4972-04-2034

Field Sample # : EFF

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Purchase Order No.: 53063

2/1/2006
Page 16 of 25

Project Location: SOUTH MESA

LIMS-BAT #: LIMS-94660

Date Received: 1/16/2006

Job Number: 4972-04-2034

Field Sample #: INF

Sample ID: 06B01542

Sampled: 1/12/2006

AIR

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	ug/m3	33.	01/27/06	TPH	24.			
Benzene	ug/m3	ND	01/27/06	TPH	32.			
Benzyl Chloride	ug/m3	ND	01/27/06	TPH	52.			
Bromodichloromethane	ug/m3	ND	01/27/06	TPH	68.			
Bromomethane	ug/m3	ND	01/27/06	TPH	39.			
1,3-Butadiene	ug/m3	ND	01/27/06	TPH	22.			
2-Butanone (MEK)	ug/m3	ND	01/27/06	TPH	30.			
Carbon Disulfide	ug/m3	ND	01/27/06	TPH	32.			
Carbon Tetrachloride	ug/m3	ND	01/27/06	TPH	62.			
Chlorobenzene	ug/m3	ND	01/27/06	TPH	46.			
Chlorodibromomethane	ug/m3	ND	01/27/06	TPH	86.			
Chloroethane	ug/m3	ND	01/27/06	TPH	27.			
Chloroform	ug/m3	ND	01/27/06	TPH	49.			
Chloromethane	ug/m3	ND	01/27/06	TPH	21.			
Cyclohexane	ug/m3	ND	01/27/06	TPH	34.			
1,2-Dibromoethane	ug/m3	ND	01/27/06	TPH	77.			
1,2-Dichlorobenzene	ug/m3	ND	01/27/06	TPH	61.			
1,3-Dichlorobenzene	ug/m3	ND	01/27/06	TPH	61.			
1,4-Dichlorobenzene	ug/m3	ND	01/27/06	TPH	61.			
Dichlorodifluoromethane	ug/m3	ND	01/27/06	TPH	50.			
1,1-Dichloroethane	ug/m3	ND	01/27/06	TPH	41.			
1,2-Dichloroethane	ug/m3	ND	01/27/06	TPH	41.			
1,1-Dichloroethylene	ug/m3	ND	01/27/06	TPH	40.			
cis-1,2-Dichloroethylene	ug/m3	ND	01/27/06	TPH	40.			
t-1,2-Dichloroethylene	ug/m3	ND	01/27/06	TPH	40.			
1,2-Dichloropropane	ug/m3	ND	01/27/06	TPH	47.			
cis-1,3-Dichloropropene	ug/m3	ND	01/27/06	TPH	46.			
trans-1,3-Dichloropropene	ug/m3	ND	01/27/06	TPH	46.			
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	01/27/06	TPH	70.			
Ethanol	ug/m3	33.	01/27/06	TPH	18.			

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PHOENIX, AZ 85040

2/1/2006
Page 17 of 25

Purchase Order No.: 53063

Project Location: SOUTH MESA
Date Received: 1/16/2006
Field Sample #: INF

LIMS-BAT #: LIMS-94660
Job Number: 4972-04-2034

Sample ID: 06B01542

Sampled: 1/12/2006

AIR

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Ethyl Acetate	ug/m3	ND	01/27/06	TPH	36.			
Ethylbenzene	ug/m3	ND	01/27/06	TPH	44.			
4-Ethyl Toluene	ug/m3	ND	01/27/06	TPH	50.			
n-Heptane	ug/m3	ND	01/27/06	TPH	40.			
Hexachlorobutadiene	ug/m3	ND	01/27/06	TPH	110			
Hexane	ug/m3	ND	01/27/06	TPH	36.			
2-Hexanone	ug/m3	ND	01/27/06	TPH	40.			
Isopropanol	ug/m3	ND	01/27/06	TPH	24.			
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	01/27/06	TPH	36.			
Methylene Chloride	ug/m3	56.	01/27/06	TPH	35.			
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	01/27/06	TPH	40.			
Propene	ug/m3	ND	01/27/06	TPH	18.			
Styrene	ug/m3	ND	01/27/06	TPH	43.			
1,1,2,2-Tetrachloroethane	ug/m3	ND	01/27/06	TPH	69.			
Tetrachloroethylene	ug/m3	900	01/27/06	TPH	68.			
Tetrahydrofuran	ug/m3	ND	01/27/06	TPH	30.			
Toluene	ug/m3	ND	01/27/06	TPH	38.			
1,2,4-Trichlorobenzene	ug/m3	ND	01/27/06	TPH	75.			
1,1,1-Trichloroethane	ug/m3	ND	01/27/06	TPH	55.			
1,1,2-Trichloroethane	ug/m3	ND	01/27/06	TPH	55.			
Trichloroethylene	ug/m3	ND	01/27/06	TPH	54.			
Trichlorofluoromethane	ug/m3	ND	01/27/06	TPH	57.			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	01/27/06	TPH	77.			
1,2,4-Trimethylbenzene	ug/m3	ND	01/27/06	TPH	50.			
1,3,5-Trimethylbenzene	ug/m3	ND	01/27/06	TPH	50.			
Vinyl Acetate	ug/m3	ND	01/27/06	TPH	36.			
Vinyl Chloride	ug/m3	ND	01/27/06	TPH	26.			
m/p-Xylene	ug/m3	ND	01/27/06	TPH	87.			
o-Xylene	ug/m3	ND	01/27/06	TPH	44.			

RL = Reporting Limit

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2/1/2006

Page 18 of 25

Project Location: SOUTH MESA

Date Received: 1/16/2006

LIMS-BAT #: LIMS-94660

Job Number: 4972-04-2034

Field Sample #: INF

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Purchase Order No.: 53063

2/1/2006

Page 19 of 25

Project Location: SOUTH MESA

Date Received: 1/16/2006

Field Sample #: INT

Sample ID: 06B01541

Sampled: 1/12/2006

AIR

Sample Matrix: AIR

Sample Medium: SUMMA

LIMS-BAT #: LIMS-94660

Job Number: 4972-04-2034

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	46.	01/27/06	TPH	24.		
Benzene	ug/m3	ND	01/27/06	TPH	32.		
Benzyl Chloride	ug/m3	ND	01/27/06	TPH	52.		
Bromodichloromethane	ug/m3	ND	01/27/06	TPH	68.		
Bromomethane	ug/m3	ND	01/27/06	TPH	39.		
1,3-Butadiene	ug/m3	ND	01/27/06	TPH	22.		
2-Butanone (MEK)	ug/m3	ND	01/27/06	TPH	30.		
Carbon Disulfide	ug/m3	ND	01/27/06	TPH	32.		
Carbon Tetrachloride	ug/m3	ND	01/27/06	TPH	62.		
Chlorobenzene	ug/m3	ND	01/27/06	TPH	46.		
Chlorodibromomethane	ug/m3	ND	01/27/06	TPH	86.		
Chloroethane	ug/m3	ND	01/27/06	TPH	27.		
Chloroform	ug/m3	ND	01/27/06	TPH	49.		
Chloromethane	ug/m3	ND	01/27/06	TPH	21.		
Cyclohexane	ug/m3	ND	01/27/06	TPH	34.		
1,2-Dibromoethane	ug/m3	ND	01/27/06	TPH	77.		
1,2-Dichlorobenzene	ug/m3	ND	01/27/06	TPH	61.		
1,3-Dichlorobenzene	ug/m3	ND	01/27/06	TPH	61.		
1,4-Dichlorobenzene	ug/m3	ND	01/27/06	TPH	61.		
Dichlorodifluoromethane	ug/m3	ND	01/27/06	TPH	50.		
1,1-Dichloroethane	ug/m3	ND	01/27/06	TPH	41.		
1,2-Dichloroethane	ug/m3	ND	01/27/06	TPH	41.		
1,1-Dichloroethylene	ug/m3	ND	01/27/06	TPH	40.		
cis-1,2-Dichloroethylene	ug/m3	ND	01/27/06	TPH	40.		
t-1,2-Dichloroethylene	ug/m3	ND	01/27/06	TPH	40.		
1,2-Dichloropropane	ug/m3	ND	01/27/06	TPH	47.		
cis-1,3-Dichloropropene	ug/m3	ND	01/27/06	TPH	46.		
trans-1,3-Dichloropropene	ug/m3	ND	01/27/06	TPH	46.		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	01/27/06	TPH	70.		
Ethanol	ug/m3	26.	01/27/06	TPH	18.		

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2/1/2006
Page 20 of 25

Purchase Order No.: 53063

Project Location: SOUTH MESA
Date Received: 1/16/2006
Field Sample #: INT

LIMS-BAT #: LIMS-94660
Job Number: 4972-04-2034

Sample ID : 06B01541

Sampled : 1/12/2006

AIR

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	01/27/06	TPH	36.		
Ethylbenzene	ug/m3	ND	01/27/06	TPH	44.		
4-Ethyl Toluene	ug/m3	ND	01/27/06	TPH	50.		
n-Heptane	ug/m3	ND	01/27/06	TPH	40.		
Hexachlorobutadiene	ug/m3	ND	01/27/06	TPH	110		
Hexane	ug/m3	ND	01/27/06	TPH	36.		
2-Hexanone	ug/m3	ND	01/27/06	TPH	40.		
Isopropanol	ug/m3	ND	01/27/06	TPH	24.		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	01/27/06	TPH	36.		
Methylene Chloride	ug/m3	57.	01/27/06	TPH	35.		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	01/27/06	TPH	40.		
Propene	ug/m3	ND	01/27/06	TPH	18.		
Styrene	ug/m3	ND	01/27/06	TPH	43.		
1,1,2,2-Tetrachloroethane	ug/m3	ND	01/27/06	TPH	69.		
Tetrachloroethylene	ug/m3	950	01/27/06	TPH	68.		
Tetrahydrofuran	ug/m3	ND	01/27/06	TPH	30.		
Toluene	ug/m3	ND	01/27/06	TPH	38.		
1,2,4-Trichlorobenzene	ug/m3	ND	01/27/06	TPH	75.		
1,1,1-Trichloroethane	ug/m3	ND	01/27/06	TPH	55.		
1,1,2-Trichloroethane	ug/m3	ND	01/27/06	TPH	55.		
Trichloroethylene	ug/m3	ND	01/27/06	TPH	54.		
Trichlorofluoromethane	ug/m3	ND	01/27/06	TPH	57.		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	01/27/06	TPH	77.		
1,2,4-Trimethylbenzene	ug/m3	ND	01/27/06	TPH	50.		
1,3,5-Trimethylbenzene	ug/m3	ND	01/27/06	TPH	50.		
Vinyl Acetate	ug/m3	ND	01/27/06	TPH	36.		
Vinyl Chloride	ug/m3	ND	01/27/06	TPH	26.		
m/p-Xylene	ug/m3	ND	01/27/06	TPH	87.		
o-Xylene	ug/m3	ND	01/27/06	TPH	44.		

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Purchase Order No.: 53063

2/1/2006

Page 21 of 25

Project Location: SOUTH MESA

Date Received: 1/16/2006

Field Sample #: INT

LIMS-BAT #: LIMS-94660

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Purchase Order No.: 53063

2/1/2006
Page 22 of 25

Project Location: SOUTH MESA

Date Received: 1/16/2006

Field Sample #: VW-7B

Sample ID: 06B01543

Sampled: 1/12/2006

AIR

Sample Matrix: AIR

Sample Medium: SUMMA

LIMS-BAT #: LIMS-94660
Job Number: 4972-04-2034

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	49.	01/27/06	TPH	48.		
Benzene	ug/m3	ND	01/27/06	TPH	64.		
Benzyl Chloride	ug/m3	ND	01/27/06	TPH	110		
Bromodichloromethane	ug/m3	ND	01/27/06	TPH	140		
Bromomethane	ug/m3	ND	01/27/06	TPH	78.		
1,3-Butadiene	ug/m3	ND	01/27/06	TPH	44.		
2-Butanone (MEK)	ug/m3	ND	01/27/06	TPH	60.		
Carbon Disulfide	ug/m3	ND	01/27/06	TPH	64.		
Carbon Tetrachloride	ug/m3	ND	01/27/06	TPH	130		
Chlorobenzene	ug/m3	ND	01/27/06	TPH	92.		
Chlorodibromomethane	ug/m3	ND	01/27/06	TPH	180		
Chloroethane	ug/m3	ND	01/27/06	TPH	53.		
Chloroform	ug/m3	ND	01/27/06	TPH	98.		
Chloromethane	ug/m3	ND	01/27/06	TPH	42.		
Cyclohexane	ug/m3	ND	01/27/06	TPH	68.		
1,2-Dibromoethane	ug/m3	ND	01/27/06	TPH	160		
1,2-Dichlorobenzene	ug/m3	ND	01/27/06	TPH	130		
1,3-Dichlorobenzene	ug/m3	ND	01/27/06	TPH	130		
1,4-Dichlorobenzene	ug/m3	ND	01/27/06	TPH	130		
Dichlorodifluoromethane	ug/m3	ND	01/27/06	TPH	99.		
1,1-Dichloroethane	ug/m3	ND	01/27/06	TPH	81.		
1,2-Dichloroethane	ug/m3	ND	01/27/06	TPH	81.		
1,1-Dichloroethylene	ug/m3	ND	01/27/06	TPH	80.		
cis-1,2-Dichloroethylene	ug/m3	ND	01/27/06	TPH	80.		
t-1,2-Dichloroethylene	ug/m3	ND	01/27/06	TPH	80.		
1,2-Dichloropropane	ug/m3	ND	01/27/06	TPH	93.		
cis-1,3-Dichloropropene	ug/m3	ND	01/27/06	TPH	91.		
trans-1,3-Dichloropropene	ug/m3	ND	01/27/06	TPH	91.		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	01/27/06	TPH	140		
Ethanol	ug/m3	44.	01/27/06	TPH	36.		

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Purchase Order No.: 53063

2/1/2006
Page 23 of 25

Project Location: SOUTH MESA

LIMS-BAT #: LIMS-94660

Date Received: 1/16/2006

Job Number: 4972-04-2034

Field Sample #: VW-7B

Sample ID: 06B01543

Sampled: 1/12/2006

AIR

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	01/27/06	TPH	72.		
Ethylbenzene	ug/m3	ND	01/27/06	TPH	87.		
4-Ethyl Toluene	ug/m3	ND	01/27/06	TPH	100		
n-Heptane	ug/m3	ND	01/27/06	TPH	80.		
Hexachlorobutadiene	ug/m3	ND	01/27/06	TPH	220		
Hexane	ug/m3	ND	01/27/06	TPH	72.		
2-Hexanone	ug/m3	ND	01/27/06	TPH	80.		
Isopropanol	ug/m3	ND	01/27/06	TPH	48.		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	01/27/06	TPH	72.		
Methylene Chloride	ug/m3	110	01/27/06	TPH	70.		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	01/27/06	TPH	80.		
Propene	ug/m3	ND	01/27/06	TPH	36.		
Styrene	ug/m3	ND	01/27/06	TPH	86.		
1,1,2,2-Tetrachloroethane	ug/m3	ND	01/27/06	TPH	140		
Tetrachloroethylene	ug/m3	4800	01/27/06	TPH	140.		
Tetrahydrofuran	ug/m3	ND	01/27/06	TPH	60.		
Toluene	ug/m3	ND	01/27/06	TPH	76.		
1,2,4-Trichlorobenzene	ug/m3	ND	01/27/06	TPH	150		
1,1,1-Trichloroethane	ug/m3	ND	01/27/06	TPH	110		
1,1,2-Trichloroethane	ug/m3	ND	01/27/06	TPH	110		
Trichloroethylene	ug/m3	ND	01/27/06	TPH	110		
Trichlorofluoromethane	ug/m3	ND	01/27/06	TPH	120		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	01/27/06	TPH	160		
1,2,4-Trimethylbenzene	ug/m3	ND	01/27/06	TPH	99.		
1,3,5-Trimethylbenzene	ug/m3	ND	01/27/06	TPH	99.		
Vinyl Acetate	ug/m3	ND	01/27/06	TPH	72.		
Vinyl Chloride	ug/m3	ND	01/27/06	TPH	52.		
m/p-Xylene	ug/m3	ND	01/27/06	TPH	180		
o-Xylene	ug/m3	ND	01/27/06	TPH	87.		

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Purchase Order No.: 53063

2/1/2006

Page 24 of 25

Project Location: SOUTH MESA

Date Received: 1/16/2006

Field Sample #: VW-7B

LIMS-BAT #: LIMS-94660

Job Number: 4972-04-2034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Purchase Order No.: 53063

2/1/2006

Page 25 of 25

Project Location: SOUTH MESA

Date Received: 1/16/2006

LIMS-BAT #: LIMS-94660

Job Number: 4972-04-2034

The following notes were attached to the reported analysis :

Sample ID: * 06B01540

Analysis: to-15 ppbv

ELEVATED METHOD DETECTION LIMIT DUE TO INSUFFICIENT SAMPLE VOLUME.

Sample ID: * 06B01541

Analysis: to-15 ppbv

ELEVATED METHOD DETECTION LIMIT DUE TO INSUFFICIENT SAMPLE VOLUME.

Sample ID: * 06B01542

Analysis: to-15 ppbv

ELEVATED METHOD DETECTION LIMIT DUE TO INSUFFICIENT SAMPLE VOLUME.

Sample ID: * 06B01543

Analysis: to-15 ppbv

ELEVATED METHOD DETECTION LIMIT DUE TO INSUFFICIENT SAMPLE VOLUME.

** END OF REPORT **

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/1/2006

Lims Bat #: LIMS-94660

Page 1 of 7

QC Batch Number: BATCH-10407

Sample Id	Analysis	QC Analysis	Values	Units	Limits
06B01540	4-Bromofluorobenzene	Surrogate Recovery	82.1	%	70-130
06B01541	4-Bromofluorobenzene	Surrogate Recovery	81.2	%	70-130
06B01542	4-Bromofluorobenzene	Surrogate Recovery	80.5	%	70-130
06B01543	4-Bromofluorobenzene	Surrogate Recovery	81.5	%	70-130
BLANK-83687	Acetone	Blank	<1.2	ug/m3	
	Benzene	Blank	<1.6	ug/m3	
	Carbon Tetrachloride	Blank	<3.1	ug/m3	
	Chloroform	Blank	<2.5	ug/m3	
	1,2-Dichloroethane	Blank	<2.1	ug/m3	
	1,4-Dichlorobenzene	Blank	<3.1	ug/m3	
	Ethyl Acetate	Blank	<1.8	ug/m3	
	Ethylbenzene	Blank	<2.2	ug/m3	
	Hexane	Blank	<1.8	ug/m3	
	Isopropanol	Blank	<1.2	ug/m3	
	2-Butanone (MEK)	Blank	<1.5	ug/m3	
	4-Methyl-2-Pentanone (MIBK)	Blank	<2.0	ug/m3	
	Styrene	Blank	<2.2	ug/m3	
	Tetrachloroethylene	Blank	<3.4	ug/m3	
	Toluene	Blank	<1.9	ug/m3	
	1,1,1-Trichloroethane	Blank	<2.8	ug/m3	
	Trichloroethylene	Blank	<2.7	ug/m3	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<3.9	ug/m3	
	Trichlorofluoromethane	Blank	<2.9	ug/m3	
	o-Xylene	Blank	<2.2	ug/m3	
	m/p-Xylene	Blank	<4.4	ug/m3	
	1,2-Dichlorobenzene	Blank	<3.1	ug/m3	
	1,3-Dichlorobenzene	Blank	<3.1	ug/m3	
	1,1-Dichloroethane	Blank	<2.1	ug/m3	
	1,1-Dichloroethylene	Blank	<2.0	ug/m3	
	Ethanol	Blank	1.1	ug/m3	
	4-Ethyl Toluene	Blank	<2.5	ug/m3	
	Methyl tert-Butyl Ether (MTBE)	Blank	<1.8	ug/m3	
	t-1,2-Dichloroethylene	Blank	<2.0	ug/m3	
	Vinyl Chloride	Blank	<1.3	ug/m3	
	Methylene Chloride	Blank	5.6	ug/m3	
	Chlorobenzene	Blank	<2.3	ug/m3	
	Chloromethane	Blank	<1.1	ug/m3	
	Bromomethane	Blank	<2.0	ug/m3	
	Chloroethane	Blank	<1.4	ug/m3	



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/1/2006

Lims Bat #: LIMS-94660

Page 2 of 7

QC Batch Number: BATCH-10407

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-83687	cis-1,3-Dichloropropene	Blank	<2.3	ug/m3	
	trans-1,3-Dichloropropene	Blank	<2.3	ug/m3	
	Chlorodibromomethane	Blank	<4.3	ug/m3	
	1,1,2-Trichloroethane	Blank	<2.8	ug/m3	
	1,1,2,2-Tetrachloroethane	Blank	<3.5	ug/m3	
	Hexachlorobutadiene	Blank	<5.4	ug/m3	
	1,2,4-Trichlorobenzene	Blank	<3.8	ug/m3	
	1,2,4-Trimethylbenzene	Blank	<2.5	ug/m3	
	1,3,5-Trimethylbenzene	Blank	<2.5	ug/m3	
	Cyclohexane	Blank	<1.7	ug/m3	
	cis-1,2-Dichloroethylene	Blank	<2.0	ug/m3	
	1,2-Dichloropropane	Blank	<2.4	ug/m3	
	Dichlorodifluoromethane	Blank	<2.5	ug/m3	
	Benzyl Chloride	Blank	<2.6	ug/m3	
	Carbon Disulfide	Blank	<1.6	ug/m3	
	Vinyl Acetate	Blank	<1.8	ug/m3	
	2-Hexanone	Blank	<2.0	ug/m3	
	Bromodichloromethane	Blank	<3.4	ug/m3	
	1,2-Dibromoethane	Blank	<3.9	ug/m3	
	n-Heptane	Blank	<2.0	ug/m3	
	1,2-Dichlorotetrafluoroethane (114)	Blank	<3.5	ug/m3	
	Tetrahydrofuran	Blank	<1.5	ug/m3	
	Propene	Blank	<0.9	ug/m3	
	1,3-Butadiene	Blank	<1.1	ug/m3	
LFBLANK-48196	Acetone	Lab Fort Blank Amt.	23.8	ug/m3	
		Lab Fort Blk. Found	34.3	ug/m3	
		Lab Fort Blk. % Rec.	144.4	%	50-150
	Benzene	Lab Fort Blank Amt.	31.9	ug/m3	
		Lab Fort Blk. Found	26.7	ug/m3	
		Lab Fort Blk. % Rec.	83.6	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	62.9	ug/m3	
		Lab Fort Blk. Found	61.8	ug/m3	
		Lab Fort Blk. % Rec.	98.2	%	70-130
	Chloroform	Lab Fort Blank Amt.	48.7	ug/m3	
		Lab Fort Blk. Found	43.0	ug/m3	
		Lab Fort Blk. % Rec.	88.4	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	40.5	ug/m3	
		Lab Fort Blk. Found	40.2	ug/m3	
		Lab Fort Blk. % Rec.	99.4	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	60.1	ug/m3	
		Lab Fort Blk. Found	76.7	ug/m3	
		Lab Fort Blk. % Rec.	127.5	%	70-130



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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/1/2006

Lims Bat #: LIMS-94660

Page 3 of 7

QC Batch Number: BATCH-10407

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-48196	Ethyl Acetate	Lab Fort Blank Amt.	36.0	ug/m3	
		Lab Fort Blk. Found	38.3	ug/m3	
		Lab Fort Blk. % Rec.	106.3	%	50-150
	Ethylbenzene	Lab Fort Blank Amt.	43.4	ug/m3	
		Lab Fort Blk. Found	40.6	ug/m3	
		Lab Fort Blk. % Rec.	93.7	%	70-130
	Hexane	Lab Fort Blank Amt.	35.2	ug/m3	
		Lab Fort Blk. Found	35.5	ug/m3	
		Lab Fort Blk. % Rec.	100.8	%	70-130
	Isopropanol	Lab Fort Blank Amt.	24.6	ug/m3	
		Lab Fort Blk. Found	33.6	ug/m3	
		Lab Fort Blk. % Rec.	136.8	%	50-150
	2-Butanone (MEK)	Lab Fort Blank Amt.	29.5	ug/m3	
		Lab Fort Blk. Found	31.5	ug/m3	
		Lab Fort Blk. % Rec.	106.7	%	70-130
	4-Methyl-2-Pentanone (MIBK)	Lab Fort Blank Amt.	41.0	ug/m3	
		Lab Fort Blk. Found	48.4	ug/m3	
		Lab Fort Blk. % Rec.	118.2	%	70-130
	Styrene	Lab Fort Blank Amt.	42.5	ug/m3	
		Lab Fort Blk. Found	38.8	ug/m3	
		Lab Fort Blk. % Rec.	91.3	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	67.8	ug/m3	
		Lab Fort Blk. Found	71.5	ug/m3	
		Lab Fort Blk. % Rec.	105.5	%	70-130
	Toluene	Lab Fort Blank Amt.	37.6	ug/m3	
		Lab Fort Blk. Found	33.4	ug/m3	
		Lab Fort Blk. % Rec.	88.7	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	54.6	ug/m3	
		Lab Fort Blk. Found	50.7	ug/m3	
		Lab Fort Blk. % Rec.	92.9	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	53.7	ug/m3	
		Lab Fort Blk. Found	47.3	ug/m3	
		Lab Fort Blk. % Rec.	88.0	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	76.6	ug/m3	
		Lab Fort Blk. Found	63.9	ug/m3	
		Lab Fort Blk. % Rec.	83.4	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	56.2	ug/m3	
		Lab Fort Blk. Found	57.4	ug/m3	
		Lab Fort Blk. % Rec.	102.1	%	70-130
	o-Xylene	Lab Fort Blank Amt.	43.4	ug/m3	
		Lab Fort Blk. Found	44.8	ug/m3	
		Lab Fort Blk. % Rec.	103.1	%	70-130
	m/p-Xylene	Lab Fort Blank Amt.	86.9	ug/m3	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/1/2006

Lims Bat # : LIMS-94660

Page 4 of 7

QC Batch Number: BATCH-10407

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-48196					
m/p-Xylene		Lab Fort Blk. Found	83.3	ug/m3	
		Lab Fort Blk. % Rec.	95.9	%	70-130
		Lab Fort Blank Amt.	60.1	ug/m3	
1,2-Dichlorobenzene		Lab Fort Blk. Found	80.7	ug/m3	
		Lab Fort Blk. % Rec.	134.2	%	70-130
		Lab Fort Blank Amt.	60.1	ug/m3	
1,3-Dichlorobenzene		Lab Fort Blk. Found	79.0	ug/m3	
		Lab Fort Blk. % Rec.	131.4	%	70-130
		Lab Fort Blank Amt.	40.5	ug/m3	
1,1-Dichloroethane		Lab Fort Blk. Found	36.0	ug/m3	
		Lab Fort Blk. % Rec.	88.8	%	70-130
		Lab Fort Blank Amt.	39.7	ug/m3	
1,1-Dichloroethylene		Lab Fort Blk. Found	36.6	ug/m3	
		Lab Fort Blk. % Rec.	92.3	%	70-130
		Lab Fort Blank Amt.	18.8	ug/m3	
Ethanol		Lab Fort Blk. Found	19.6	ug/m3	
		Lab Fort Blk. % Rec.	103.8	%	50-150
		Lab Fort Blank Amt.	49.2	ug/m3	
4-Ethyl Toluene		Lab Fort Blk. Found	48.5	ug/m3	
		Lab Fort Blk. % Rec.	98.7	%	50-150
		Lab Fort Blank Amt.	36.1	ug/m3	
Methyl tert-Butyl Ether (MTBE)		Lab Fort Blk. Found	31.4	ug/m3	
		Lab Fort Blk. % Rec.	87.1	%	70-130
		Lab Fort Blank Amt.	39.6	ug/m3	
t-1,2-Dichloroethylene		Lab Fort Blk. Found	34.7	ug/m3	
		Lab Fort Blk. % Rec.	87.4	%	70-130
		Lab Fort Blank Amt.	25.6	ug/m3	
Vinyl Chloride		Lab Fort Blk. Found	25.2	ug/m3	
		Lab Fort Blk. % Rec.	98.4	%	70-130
		Lab Fort Blank Amt.	34.7	ug/m3	
Methylene Chloride		Lab Fort Blk. Found	34.7	ug/m3	
		Lab Fort Blk. % Rec.	100.0	%	70-130
		Lab Fort Blank Amt.	46.1	ug/m3	
Chlorobenzene		Lab Fort Blk. Found	46.4	ug/m3	
		Lab Fort Blk. % Rec.	100.8	%	70-130
		Lab Fort Blank Amt.	20.7	ug/m3	
Chloromethane		Lab Fort Blk. Found	21.4	ug/m3	
		Lab Fort Blk. % Rec.	103.4	%	70-130
		Lab Fort Blank Amt.	38.8	ug/m3	
Bromomethane		Lab Fort Blk. Found	34.7	ug/m3	
		Lab Fort Blk. % Rec.	89.5	%	70-130
		Lab Fort Blank Amt.	26.4	ug/m3	
Chloroethane		Lab Fort Blk. Found	26.7	ug/m3	



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QC SUMMARY REPORT

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BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/1/2006

Lims Bat #: LIMS-94660

Page 5 of 7

QC Batch Number: BATCH-10407

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-48196	Chloroethane	Lab Fort Blk. % Rec.	101.2	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	45.4	ug/m3	
		Lab Fort Blk. Found	40.2	ug/m3	
		Lab Fort Blk. % Rec.	88.6	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	45.4	ug/m3	
		Lab Fort Blk. Found	42.7	ug/m3	
		Lab Fort Blk. % Rec.	94.1	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	85.2	ug/m3	
		Lab Fort Blk. Found	95.2	ug/m3	
		Lab Fort Blk. % Rec.	111.8	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	54.6	ug/m3	
		Lab Fort Blk. Found	50.9	ug/m3	
		Lab Fort Blk. % Rec.	93.3	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	68.7	ug/m3	
		Lab Fort Blk. Found	72.9	ug/m3	
		Lab Fort Blk. % Rec.	106.2	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	106.7	ug/m3	
		Lab Fort Blk. Found	100.7	ug/m3	
		Lab Fort Blk. % Rec.	94.4	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	74.2	ug/m3	
		Lab Fort Blk. Found	81.4	ug/m3	
		Lab Fort Blk. % Rec.	109.7	%	70-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	49.2	ug/m3	
		Lab Fort Blk. Found	50.0	ug/m3	
		Lab Fort Blk. % Rec.	101.8	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	49.2	ug/m3	
		Lab Fort Blk. Found	49.0	ug/m3	
		Lab Fort Blk. % Rec.	99.6	%	70-130
	Cyclohexane	Lab Fort Blank Amt.	34.4	ug/m3	
		Lab Fort Blk. Found	30.3	ug/m3	
		Lab Fort Blk. % Rec.	87.9	%	50-150
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	39.7	ug/m3	
		Lab Fort Blk. Found	35.8	ug/m3	
		Lab Fort Blk. % Rec.	90.4	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	46.2	ug/m3	
		Lab Fort Blk. Found	43.9	ug/m3	
		Lab Fort Blk. % Rec.	95.0	%	70-130
	Dichlorodifluoromethane	Lab Fort Blank Amt.	49.5	ug/m3	
		Lab Fort Blk. Found	46.9	ug/m3	
		Lab Fort Blk. % Rec.	94.9	%	70-130
	Benzyl Chloride	Lab Fort Blank Amt.	51.8	ug/m3	
		Lab Fort Blk. Found	55.9	ug/m3	
		Lab Fort Blk. % Rec.	107.9	%	70-130



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/1/2006

Lims Bat #: LIMS-94660

Page 6 of 7

QC Batch Number: BATCH-10407

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-48196	Carbon Disulfide	Lab Fort Blank Amt.	31.1	ug/m3	
		Lab Fort Blk. Found	24.4	ug/m3	
		Lab Fort Blk. % Rec.	78.3	%	70-130
	Vinyl Acetate	Lab Fort Blank Amt.	35.2	ug/m3	
		Lab Fort Blk. Found	37.7	ug/m3	
		Lab Fort Blk. % Rec.	107.1	%	70-130
	2-Hexanone	Lab Fort Blank Amt.	41.0	ug/m3	
		Lab Fort Blk. Found	48.8	ug/m3	
		Lab Fort Blk. % Rec.	119.1	%	50-150
	Bromodichloromethane	Lab Fort Blank Amt.	67.0	ug/m3	
		Lab Fort Blk. Found	63.3	ug/m3	
		Lab Fort Blk. % Rec.	94.4	%	70-130
	1,2-Dibromoethane	Lab Fort Blank Amt.	76.9	ug/m3	
		Lab Fort Blk. Found	76.1	ug/m3	
		Lab Fort Blk. % Rec.	99.0	%	70-130
	n-Heptane	Lab Fort Blank Amt.	41.0	ug/m3	
		Lab Fort Blk. Found	38.5	ug/m3	
		Lab Fort Blk. % Rec.	94.0	%	50-150
	1,2-Dichlorotetrafluoroethane (114)	Lab Fort Blank Amt.	69.9	ug/m3	
		Lab Fort Blk. Found	64.8	ug/m3	
		Lab Fort Blk. % Rec.	92.7	%	70-130
	Tetrahydrofuran	Lab Fort Blank Amt.	29.5	ug/m3	
		Lab Fort Blk. Found	30.9	ug/m3	
		Lab Fort Blk. % Rec.	104.9	%	50-150
	Propene	Lab Fort Blank Amt.	17.2	ug/m3	
		Lab Fort Blk. Found	17.3	ug/m3	
		Lab Fort Blk. % Rec.	100.6	%	50-150
	1,3-Butadiene	Lab Fort Blank Amt.	22.1	ug/m3	
		Lab Fort Blk. Found	24.2	ug/m3	
		Lab Fort Blk. % Rec.	109.5	%	70-130



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/1/2006

Lims Bat #: LIMS-94660

Page 7 of 7

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken through all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries



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REPORT DATE 2/28/2006

MACTEC ENGINEERING & CONSULTING - AZ
3630 EAST WIER AVENUE
PHOENIX, AZ 85040
ATTN: JIM CLARKE

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER: 4972042034

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-95547

JOB NUMBER: 4972042034

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: SOUTH MESA

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST
EFF	06B06467	AIR	NOT SPECIFIED	to-15 ppbv
EFF	06B06467	AIR	NOT SPECIFIED	to-15 ug/m3
INF	06B06465	AIR	NOT SPECIFIED	to-15 ppbv
INF	06B06465	AIR	NOT SPECIFIED	to-15 ug/m3
INT	06B06466	AIR	NOT SPECIFIED	to-15 ppbv
INT	06B06466	AIR	NOT SPECIFIED	to-15 ug/m3
*VW-7B	06B06468	AIR	NOT SPECIFIED	to-15 ppbv
*VW-7B	06B06468	AIR	NOT SPECIFIED	to-15 ug/m3



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REPORT DATE 2/28/2006

MACTEC ENGINEERING & CONSULTING - AZ
3630 EAST WIER AVENUE
PHOENIX, AZ 85040
ATTN: JIM CLARKE

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER: 4972042034

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-95547

JOB NUMBER: 4972042034

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

Comments :

LIMS BATCH NO. : LIMS-95547

ETHANOL AND ISOPROPANOL RESULTS ARE NOT FOR ARIZONA COMPLIANCE.

ANY REPORTED RESULT FOR 1,2,4-TRICHLOROBENZENE AND HEXACHLOROBUTADIENE ARE ESTIMATED SINCE CONTINUING CALIBRATION DID NOT MEET METHOD SPECIFICATIONS.

REPORTED RESULT FOR TETRACHLOROETHYLENE IN SAMPLE 06B06468 IS ESTIMATED SINCE IT WAS QUANTITATED OVER THE VERIFIED CALIBRATION RANGE FOR THE SAMPLE. SAMPLE COULD NOT BE DILUTED AND RE-ANALYZED SINCE THERE WAS NOT ENOUGH SAMPLE.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations :

AIHA 100033	AIHA ELLAP (LEAD) 100033	
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	ARIZONA AZ0648
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	ARIZONA AZ0654 (AIR)

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Sondra L. Slesinski 02/28/06

SIGNATURE

DATE

Tod Kopyscinski
Director of Operations

Sondra L. Slesinski
Quality Assurance Officer

Edward Denson
Technical Director

* See end of data tabulation for notes and comments pertaining to this sample



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JIM CLARKE
MACTEC ENGINEERING & CONSULTING - AZ
3630 EAST WIER AVENUE
PHOENIX, AZ 85040

Purchase Order No.:

2/28/2006

Page 1 of 25

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: EFF

Sample ID: 06B06467

Sampled: 2/17/2006

NOT SPECIFIED

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	PPBv	6.2	02/24/06	WSD	0.5			
Benzene	PPBv	ND	02/24/06	WSD	0.5			
Benzyl Chloride	PPBv	ND	02/24/06	WSD	0.5			
Bromodichloromethane	PPBv	ND	02/24/06	WSD	0.5			
Bromomethane	PPBv	ND	02/24/06	WSD	0.5			
1,3-Butadiene	PPBv	ND	02/24/06	WSD	0.5			
2-Butanone (MEK)	PPBv	ND	02/24/06	WSD	0.5			
Carbon Disulfide	PPBv	ND	02/24/06	WSD	0.5			
Carbon Tetrachloride	PPBv	ND	02/24/06	WSD	0.5			
Chlorobenzene	PPBv	ND	02/24/06	WSD	0.5			
Chlorodibromomethane	PPBv	ND	02/24/06	WSD	0.5			
Chloroethane	PPBv	ND	02/24/06	WSD	0.5			
Chloroform	PPBv	1.4	02/24/06	WSD	0.5			
Chloromethane	PPBv	0.5	02/24/06	WSD	0.5			
Cyclohexane	PPBv	ND	02/24/06	WSD	0.5			
1,2-Dibromoethane	PPBv	ND	02/24/06	WSD	0.5			
1,2-Dichlorobenzene	PPBv	ND	02/24/06	WSD	0.5			
1,3-Dichlorobenzene	PPBv	ND	02/24/06	WSD	0.5			
1,4-Dichlorobenzene	PPBv	ND	02/24/06	WSD	0.5			
Dichlorodifluoromethane	PPBv	1.0	02/24/06	WSD	0.5			
1,1-Dichloroethane	PPBv	3.7	02/24/06	WSD	0.5			
1,2-Dichloroethane	PPBv	ND	02/24/06	WSD	0.5			
1,1-Dichloroethylene	PPBv	2.8	02/24/06	WSD	0.5			
cis-1,2-Dichloroethylene	PPBv	1.0	02/24/06	WSD	0.5			
t-1,2-Dichloroethylene	PPBv	ND	02/24/06	WSD	0.5			
1,2-Dichloropropane	PPBv	ND	02/24/06	WSD	0.5			
cis-1,3-Dichloropropene	PPBv	ND	02/24/06	WSD	0.5			
trans-1,3-Dichloropropene	PPBv	ND	02/24/06	WSD	0.5			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	02/24/06	WSD	0.5			
Ethanol	PPBv	5.4	02/24/06	WSD	0.5			

RL = Reporting Limit

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NM = Not Measured

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* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

JIM CLARKE

MACTEC ENGINEERING & CONSULTING - AZ

3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: EFF

Sample ID: 06B06467

Sample Matrix: AIR

Purchase Order No.:

Sampled: 2/17/2006
NOT SPECIFIED

2/28/2006

Page 2 of 25

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	PPBv	ND	02/24/06	WSD	0.5		
Ethylbenzene	PPBv	ND	02/24/06	WSD	0.5		
4-Ethyl Toluene	PPBv	ND	02/24/06	WSD	0.5		
n-Heptane	PPBv	ND	02/24/06	WSD	0.5		
Hexachlorobutadiene	PPBv	ND	02/24/06	WSD	0.5		
Hexane	PPBv	ND	02/24/06	WSD	0.5		
2-Hexanone	PPBv	ND	02/24/06	WSD	0.5		
Isopropanol	PPBv	0.8	02/24/06	WSD	0.5		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	02/24/06	WSD	0.5		
Methylene Chloride	PPBv	0.6	02/24/06	WSD	0.5		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	02/24/06	WSD	0.5		
Propene	PPBv	ND	02/24/06	WSD	0.5		
Styrene	PPBv	ND	02/24/06	WSD	0.5		
1,1,2,2-Tetrachloroethane	PPBv	ND	02/24/06	WSD	0.5		
Tetrachloroethylene	PPBv	ND	02/24/06	WSD	0.5		
Tetrahydrofuran	PPBv	ND	02/24/06	WSD	0.5		
Toluene	PPBv	ND	02/24/06	WSD	0.5		
1,2,4-Trichlorobenzene	PPBv	ND	02/24/06	WSD	0.5		
1,1,1-Trichloroethane	PPBv	ND	02/24/06	WSD	0.5		
1,1,2-Trichloroethane	PPBv	ND	02/24/06	WSD	0.5		
Trichloroethylene	PPBv	ND	02/24/06	WSD	0.5		
Trichlorofluoromethane (Freon 11)	PPBv	ND	02/24/06	WSD	0.5		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	02/24/06	WSD	0.5		
1,2,4-Trimethylbenzene	PPBv	ND	02/24/06	WSD	0.5		
1,3,5-Trimethylbenzene	PPBv	ND	02/24/06	WSD	0.5		
Vinyl Acetate	PPBv	ND	02/24/06	WSD	0.5		
Vinyl Chloride	PPBv	ND	02/24/06	WSD	0.5		
m/p-Xylene	PPBv	ND	02/24/06	WSD	1.0		
o-Xylene	PPBv	ND	02/24/06	WSD	0.5		

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JIM CLARKE

MACTEC ENGINEERING & CONSULTING - AZ

3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: EFF

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

2/28/2006

Page 3 of 25

Purchase Order No.:

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

RL = Reporting Limit

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

JIM CLARKE

MACTEC ENGINEERING & CONSULTING - AZ

3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: INF

Sample ID: 06B06465

Sample Matrix: AIR

Purchase Order No.:

Sampled: 2/17/2006
NOT SPECIFIED

2/28/2006

Page 4 of 25

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	PPBv	ND	02/24/06	WSD	0.5		
Benzene	PPBv	0.6	02/24/06	WSD	0.5		
Benzyl Chloride	PPBv	ND	02/24/06	WSD	0.5		
Bromodichloromethane	PPBv	ND	02/24/06	WSD	0.5		
Bromomethane	PPBv	ND	02/24/06	WSD	0.5		
1,3-Butadiene	PPBv	ND	02/24/06	WSD	0.5		
2-Butanone (MEK)	PPBv	0.5	02/24/06	WSD	0.5		
Carbon Disulfide	PPBv	ND	02/24/06	WSD	0.5		
Carbon Tetrachloride	PPBv	ND	02/24/06	WSD	0.5		
Chlorobenzene	PPBv	ND	02/24/06	WSD	0.5		
Chlorodibromomethane	PPBv	ND	02/24/06	WSD	0.5		
Chloroethane	PPBv	ND	02/24/06	WSD	0.5		
Chloroform	PPBv	1.1	02/24/06	WSD	0.5		
Chloromethane	PPBv	ND	02/24/06	WSD	0.5		
Cyclohexane	PPBv	ND	02/24/06	WSD	0.5		
1,2-Dibromoethane	PPBv	ND	02/24/06	WSD	0.5		
1,2-Dichlorobenzene	PPBv	ND	02/24/06	WSD	0.5		
1,3-Dichlorobenzene	PPBv	ND	02/24/06	WSD	0.5		
1,4-Dichlorobenzene	PPBv	ND	02/24/06	WSD	0.5		
Dichlorodifluoromethane	PPBv	ND	02/24/06	WSD	0.5		
1,1-Dichloroethane	PPBv	3.1	02/24/06	WSD	0.5		
1,2-Dichloroethane	PPBv	ND	02/24/06	WSD	0.5		
1,1-Dichloroethylene	PPBv	2.4	02/24/06	WSD	0.5		
cis-1,2-Dichloroethylene	PPBv	1.1	02/24/06	WSD	0.5		
t-1,2-Dichloroethylene	PPBv	ND	02/24/06	WSD	0.5		
1,2-Dichloropropane	PPBv	0.9	02/24/06	WSD	0.5		
cis-1,3-Dichloropropene	PPBv	ND	02/24/06	WSD	0.5		
trans-1,3-Dichloropropene	PPBv	ND	02/24/06	WSD	0.5		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	02/24/06	WSD	0.5		
Ethanol	PPBv	5.5	02/24/06	WSD	0.5		

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

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MACTEC ENGINEERING & CONSULTING - AZ
3630 EAST WIER AVENUE
PHOENIX, AZ 85040

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 2/20/2006
Field Sample #: INF

Sample ID : 06B06465

Sampled : 2/17/2006
NOT SPECIFIED

Sample Matrix: AIR

2/28/2006

Page 5 of 25

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	PPBv	ND	02/24/06	WSD	0.5		
Ethylbenzene	PPBv	ND	02/24/06	WSD	0.5		
4-Ethyl Toluene	PPBv	ND	02/24/06	WSD	0.5		
n-Heptane	PPBv	ND	02/24/06	WSD	0.5		
Hexachlorobutadiene	PPBv	ND	02/24/06	WSD	0.5		
Hexane	PPBv	0.9	02/24/06	WSD	0.5		
2-Hexanone	PPBv	ND	02/24/06	WSD	0.5		
Isopropanol	PPBv	ND	02/24/06	WSD	0.5		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	02/24/06	WSD	0.5		
Methylene Chloride	PPBv	ND	02/24/06	WSD	0.5		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	02/24/06	WSD	0.5		
Propene	PPBv	ND	02/24/06	WSD	0.5		
Styrene	PPBv	ND	02/24/06	WSD	0.5		
1,1,2,2-Tetrachloroethane	PPBv	ND	02/24/06	WSD	0.5		
Tetrachloroethylene	PPBv	100.	02/24/06	WSD	0.5		
Tetrahydrofuran	PPBv	ND	02/24/06	WSD	0.5		
Toluene	PPBv	1.5	02/24/06	WSD	0.5		
1,2,4-Trichlorobenzene	PPBv	ND	02/24/06	WSD	0.5		
1,1,1-Trichloroethane	PPBv	ND	02/24/06	WSD	0.5		
1,1,2-Trichloroethane	PPBv	ND	02/24/06	WSD	0.5		
Trichloroethylene	PPBv	0.6	02/24/06	WSD	0.5		
Trichlorofluoromethane (Freon 11)	PPBv	0.9	02/24/06	WSD	0.5		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	02/24/06	WSD	0.5		
1,2,4-Trimethylbenzene	PPBv	ND	02/24/06	WSD	0.5		
1,3,5-Trimethylbenzene	PPBv	ND	02/24/06	WSD	0.5		
Vinyl Acetate	PPBv	1.2	02/24/06	WSD	0.5		
Vinyl Chloride	PPBv	ND	02/24/06	WSD	0.5		
m/p-Xylene	PPBv	ND	02/24/06	WSD	1.0		
o-Xylene	PPBv	ND	02/24/06	WSD	0.5		

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JIM CLARKE

MACTEC ENGINEERING & CONSULTING - AZ

3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: INF

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

2/28/2006

Page 6 of 25

Purchase Order No.:

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

RL = Reporting Limit

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

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MACTEC ENGINEERING & CONSULTING - AZ
3630 EAST WIER AVENUE
PHOENIX, AZ 85040

Purchase Order No.:

2/28/2006

Page 7 of 25

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: INT

Sample ID: 06B06466

Sampled: 2/17/2006

NOT SPECIFIED

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	PPBv	7.7	02/24/06	WSD	0.5			
Benzene	PPBv	ND	02/24/06	WSD	0.5			
Benzyl Chloride	PPBv	ND	02/24/06	WSD	0.5			
Bromodichloromethane	PPBv	ND	02/24/06	WSD	0.5			
Bromomethane	PPBv	ND	02/24/06	WSD	0.5			
1,3-Butadiene	PPBv	ND	02/24/06	WSD	0.5			
2-Butanone (MEK)	PPBv	0.6	02/24/06	WSD	0.5			
Carbon Disulfide	PPBv	ND	02/24/06	WSD	0.5			
Carbon Tetrachloride	PPBv	ND	02/24/06	WSD	0.5			
Chlorobenzene	PPBv	ND	02/24/06	WSD	0.5			
Chlorodibromomethane	PPBv	ND	02/24/06	WSD	0.5			
Chloroethane	PPBv	ND	02/24/06	WSD	0.5			
Chloroform	PPBv	0.8	02/24/06	WSD	0.5			
Chloromethane	PPBv	0.6	02/24/06	WSD	0.5			
Cyclohexane	PPBv	ND	02/24/06	WSD	0.5			
1,2-Dibromoethane	PPBv	ND	02/24/06	WSD	0.5			
1,2-Dichlorobenzene	PPBv	ND	02/24/06	WSD	0.5			
1,3-Dichlorobenzene	PPBv	ND	02/24/06	WSD	0.5			
1,4-Dichlorobenzene	PPBv	ND	02/24/06	WSD	0.5			
Dichlorodifluoromethane	PPBv	1.1	02/24/06	WSD	0.5			
1,1-Dichloroethane	PPBv	2.5	02/24/06	WSD	0.5			
1,2-Dichloroethane	PPBv	ND	02/24/06	WSD	0.5			
1,1-Dichloroethylene	PPBv	2.6	02/24/06	WSD	0.5			
cis-1,2-Dichloroethylene	PPBv	1.7	02/24/06	WSD	0.5			
t-1,2-Dichloroethylene	PPBv	ND	02/24/06	WSD	0.5			
1,2-Dichloropropane	PPBv	1.2	02/24/06	WSD	0.5			
cis-1,3-Dichloropropene	PPBv	ND	02/24/06	WSD	0.5			
trans-1,3-Dichloropropene	PPBv	ND	02/24/06	WSD	0.5			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	02/24/06	WSD	0.5			
Ethanol	PPBv	9.6	02/24/06	WSD	0.5			

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

JIM CLARKE

MACTEC ENGINEERING & CONSULTING - AZ

3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: INT

Sample ID: 06B06466

Sample Matrix: AIR

Purchase Order No.:

Sampled: 2/17/2006

NOT SPECIFIED

2/28/2006

Page 8 of 25

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	PPBv	ND	02/24/06	WSD	0.5		
Ethylbenzene	PPBv	ND	02/24/06	WSD	0.5		
4-Ethyl Toluene	PPBv	ND	02/24/06	WSD	0.5		
n-Heptane	PPBv	ND	02/24/06	WSD	0.5		
Hexachlorobutadiene	PPBv	ND	02/24/06	WSD	0.5		
Hexane	PPBv	ND	02/24/06	WSD	0.5		
2-Hexanone	PPBv	ND	02/24/06	WSD	0.5		
Isopropanol	PPBv	25.	02/24/06	WSD	0.5		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	02/24/06	WSD	0.5		
Methylene Chloride	PPBv	0.6	02/24/06	WSD	0.5		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	02/24/06	WSD	0.5		
Propene	PPBv	ND	02/24/06	WSD	0.5		
Styrene	PPBv	ND	02/24/06	WSD	0.5		
1,1,2,2-Tetrachloroethane	PPBv	ND	02/24/06	WSD	0.5		
Tetrachloroethylene	PPBv	77.	02/24/06	WSD	0.5		
Tetrahydrofuran	PPBv	ND	02/24/06	WSD	0.5		
Toluene	PPBv	ND	02/24/06	WSD	0.5		
1,2,4-Trichlorobenzene	PPBv	ND	02/24/06	WSD	0.5		
1,1,1-Trichloroethane	PPBv	ND	02/24/06	WSD	0.5		
1,1,2-Trichloroethane	PPBv	ND	02/24/06	WSD	0.5		
Trichloroethylene	PPBv	1.2	02/24/06	WSD	0.5		
Trichlorofluoromethane (Freon 11)	PPBv	0.5	02/24/06	WSD	0.5		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	02/24/06	WSD	0.5		
1,2,4-Trimethylbenzene	PPBv	ND	02/24/06	WSD	0.5		
1,3,5-Trimethylbenzene	PPBv	ND	02/24/06	WSD	0.5		
Vinyl Acetate	PPBv	ND	02/24/06	WSD	0.5		
Vinyl Chloride	PPBv	ND	02/24/06	WSD	0.5		
m/p-Xylene	PPBv	ND	02/24/06	WSD	1.0		
o-Xylene	PPBv	ND	02/24/06	WSD	0.5		

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

JIM CLARKE

MACTEC ENGINEERING & CONSULTING - AZ

3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: INT

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

2/28/2006

Page 9 of 25

Purchase Order No.:

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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JIM CLARKE

MACTEC ENGINEERING & CONSULTING - AZ

3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: VW-7B

Sample ID: *06B06468

Sample Matrix: AIR

Purchase Order No.:

Sampled: 2/17/2006

NOT SPECIFIED

2/28/2006

Page 10 of 25

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Acetone	PPBv	6.0	02/25/06	WSD	0.5			
Benzene	PPBv	ND	02/25/06	WSD	0.5			
Benzyl Chloride	PPBv	ND	02/25/06	WSD	0.5			
Bromodichloromethane	PPBv	2.0	02/25/06	WSD	0.5			
Bromomethane	PPBv	ND	02/25/06	WSD	0.5			
1,3-Butadiene	PPBv	ND	02/25/06	WSD	0.5			
2-Butanone (MEK)	PPBv	1.1	02/25/06	WSD	0.5			
Carbon Disulfide	PPBv	ND	02/25/06	WSD	0.5			
Carbon Tetrachloride	PPBv	ND	02/25/06	WSD	0.5			
Chlorobenzene	PPBv	ND	02/25/06	WSD	0.5			
Chlorodibromomethane	PPBv	ND	02/25/06	WSD	0.5			
Chloroethane	PPBv	ND	02/25/06	WSD	0.5			
Chloroform	PPBv	10.	02/25/06	WSD	0.5			
Chloromethane	PPBv	ND	02/25/06	WSD	0.5			
Cyclohexane	PPBv	ND	02/25/06	WSD	0.5			
1,2-Dibromoethane	PPBv	ND	02/25/06	WSD	0.5			
1,2-Dichlorobenzene	PPBv	ND	02/25/06	WSD	0.5			
1,3-Dichlorobenzene	PPBv	ND	02/25/06	WSD	0.5			
1,4-Dichlorobenzene	PPBv	ND	02/25/06	WSD	0.5			
Dichlorodifluoromethane	PPBv	ND	02/25/06	WSD	0.5			
1,1-Dichloroethane	PPBv	27.	02/25/06	WSD	0.5			
1,2-Dichloroethane	PPBv	ND	02/25/06	WSD	0.5			
1,1-Dichloroethylene	PPBv	27.	02/25/06	WSD	0.5			
cis-1,2-Dichloroethylene	PPBv	12.	02/25/06	WSD	0.5			
t-1,2-Dichloroethylene	PPBv	ND	02/25/06	WSD	0.5			
1,2-Dichloropropane	PPBv	12.	02/25/06	WSD	0.5			
cis-1,3-Dichloropropene	PPBv	ND	02/25/06	WSD	0.5			
trans-1,3-Dichloropropene	PPBv	ND	02/25/06	WSD	0.5			
1,2-Dichlorotetrafluoroethane (114)	PPBv	1.3	02/25/06	WSD	0.5			
Ethanol	PPBv	ND	02/25/06	WSD	0.5			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

JIM CLARKE
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3630 EAST WIER AVENUE
PHOENIX, AZ 85040

Purchase Order No.:

Project Location: SOUTH MESA
Date Received: 2/20/2006
Field Sample #: VW-7B

Sample ID : *06B06468

Sampled : 2/17/2006
NOT SPECIFIED

Sample Matrix: AIR

2/28/2006

Page 11 of 25

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	PPBv	ND	02/25/06	WSD	0.5		
Ethylbenzene	PPBv	ND	02/25/06	WSD	0.5		
4-Ethyl Toluene	PPBv	ND	02/25/06	WSD	0.5		
n-Heptane	PPBv	ND	02/25/06	WSD	0.5		
Hexachlorobutadiene	PPBv	ND	02/25/06	WSD	0.5		
Hexane	PPBv	ND	02/25/06	WSD	0.5		
2-Hexanone	PPBv	ND	02/25/06	WSD	0.5		
Isopropanol	PPBv	ND	02/25/06	WSD	0.5		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	02/25/06	WSD	0.5		
Methylene Chloride	PPBv	ND	02/25/06	WSD	0.5		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	02/25/06	WSD	0.5		
Propene	PPBv	ND	02/25/06	WSD	0.5		
Styrene	PPBv	ND	02/25/06	WSD	0.5		
1,1,2,2-Tetrachloroethane	PPBv	ND	02/25/06	WSD	0.5		
Tetrachloroethylene	PPBv	680.	02/25/06	WSD	0.5		
Tetrahydrofuran	PPBv	ND	02/25/06	WSD	0.5		
Toluene	PPBv	ND	02/25/06	WSD	0.5		
1,2,4-Trichlorobenzene	PPBv	ND	02/25/06	WSD	0.5		
1,1,1-Trichloroethane	PPBv	0.8	02/25/06	WSD	0.5		
1,1,2-Trichloroethane	PPBv	ND	02/25/06	WSD	0.5		
Trichloroethylene	PPBv	3.5	02/25/06	WSD	0.5		
Trichlorofluoromethane (Freon 11)	PPBv	8.9	02/25/06	WSD	0.5		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.8	02/25/06	WSD	0.5		
1,2,4-Trimethylbenzene	PPBv	ND	02/25/06	WSD	0.5		
1,3,5-Trimethylbenzene	PPBv	ND	02/25/06	WSD	0.5		
Vinyl Acetate	PPBv	ND	02/25/06	WSD	0.5		
Vinyl Chloride	PPBv	ND	02/25/06	WSD	0.5		
m/p-Xylene	PPBv	ND	02/25/06	WSD	1.0		
o-Xylene	PPBv	ND	02/25/06	WSD	0.5		

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MACTEC ENGINEERING & CONSULTING - AZ

3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: VW-7B

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

2/28/2006

Page 12 of 25

Purchase Order No.:

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

RL = Reporting Limit

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PHOENIX, AZ 85040

2/28/2006

Page 13 of 25

Purchase Order No.:

Project Number: 4972042034

Project Location: SOUTH MESA

LIMS-BAT #: LIMS-95547

Date Received: 2/20/2006

Job Number: 4972042034

Field Sample #: EFF

Sample ID : 06B06467

Sampled : 2/17/2006

NOT SPECIFIED

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	15.	02/24/06	WSD	1.2		
Benzene	ug/m3	ND	02/24/06	WSD	1.6		
Benzyl Chloride	ug/m3	ND	02/24/06	WSD	2.6		
Bromodichloromethane	ug/m3	ND	02/24/06	WSD	3.4		
Bromomethane	ug/m3	ND	02/24/06	WSD	1.9		
1,3-Butadiene	ug/m3	ND	02/24/06	WSD	1.1		
2-Butanone (MEK)	ug/m3	ND	02/24/06	WSD	1.5		
Carbon Disulfide	ug/m3	ND	02/24/06	WSD	1.6		
Carbon Tetrachloride	ug/m3	ND	02/24/06	WSD	3.1		
Chlorobenzene	ug/m3	ND	02/24/06	WSD	2.3		
Chlorodibromomethane	ug/m3	ND	02/24/06	WSD	4.3		
Chloroethane	ug/m3	ND	02/24/06	WSD	1.3		
Chloroform	ug/m3	7.0	02/24/06	WSD	2.4		
Chloromethane	ug/m3	1.1	02/24/06	WSD	1.0		
Cyclohexane	ug/m3	ND	02/24/06	WSD	1.7		
1,2-Dibromoethane	ug/m3	ND	02/24/06	WSD	3.8		
1,2-Dichlorobenzene	ug/m3	ND	02/24/06	WSD	3.0		
1,3-Dichlorobenzene	ug/m3	ND	02/24/06	WSD	3.0		
1,4-Dichlorobenzene	ug/m3	ND	02/24/06	WSD	3.0		
Dichlorodifluoromethane	ug/m3	5.2	02/24/06	WSD	2.5		
1,1-Dichloroethane	ug/m3	15.	02/24/06	WSD	2.0		
1,2-Dichloroethane	ug/m3	ND	02/24/06	WSD	2.0		
1,1-Dichloroethylene	ug/m3	11.	02/24/06	WSD	2.0		
cis-1,2-Dichloroethylene	ug/m3	3.8	02/24/06	WSD	2.0		
t-1,2-Dichloroethylene	ug/m3	ND	02/24/06	WSD	2.0		
1,2-Dichloropropane	ug/m3	ND	02/24/06	WSD	2.3		
cis-1,3-Dichloropropene	ug/m3	ND	02/24/06	WSD	2.3		
trans-1,3-Dichloropropene	ug/m3	ND	02/24/06	WSD	2.3		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	02/24/06	WSD	3.5		
Ethanol	ug/m3	10.	02/24/06	WSD	0.9		

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Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: EFF

Sample ID: 06B06467

Sample Matrix: AIR

Purchase Order No.:

Sampled: 2/17/2006

NOT SPECIFIED

2/28/2006

Page 14 of 25

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	02/24/06	WSD	1.8		
Ethylbenzene	ug/m3	ND	02/24/06	WSD	2.2		
4-Ethyl Toluene	ug/m3	ND	02/24/06	WSD	2.5		
n-Heptane	ug/m3	ND	02/24/06	WSD	2.0		
Hexachlorobutadiene	ug/m3	ND	02/24/06	WSD	5.3		
Hexane	ug/m3	ND	02/24/06	WSD	1.8		
2-Hexanone	ug/m3	ND	02/24/06	WSD	2.0		
Isopropanol	ug/m3	2.0	02/24/06	WSD	1.2		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	02/24/06	WSD	1.8		
Methylene Chloride	ug/m3	2.1	02/24/06	WSD	1.7		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	02/24/06	WSD	2.0		
Propene	ug/m3	ND	02/24/06	WSD	0.9		
Styrene	ug/m3	ND	02/24/06	WSD	2.1		
1,1,2,2-Tetrachloroethane	ug/m3	ND	02/24/06	WSD	3.4		
Tetrachloroethylene	ug/m3	ND	02/24/06	WSD	3.4		
Tetrahydrofuran	ug/m3	ND	02/24/06	WSD	1.5		
Toluene	ug/m3	ND	02/24/06	WSD	1.9		
1,2,4-Trichlorobenzene	ug/m3	ND	02/24/06	WSD	3.7		
1,1,1-Trichloroethane	ug/m3	ND	02/24/06	WSD	2.7		
1,1,2-Trichloroethane	ug/m3	ND	02/24/06	WSD	2.7		
Trichloroethylene	ug/m3	ND	02/24/06	WSD	2.7		
Trichlorofluoromethane	ug/m3	ND	02/24/06	WSD	2.8		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	02/24/06	WSD	3.8		
1,2,4-Trimethylbenzene	ug/m3	ND	02/24/06	WSD	2.5		
1,3,5-Trimethylbenzene	ug/m3	ND	02/24/06	WSD	2.5		
Vinyl Acetate	ug/m3	ND	02/24/06	WSD	1.8		
Vinyl Chloride	ug/m3	ND	02/24/06	WSD	1.3		
m/p-Xylene	ug/m3	ND	02/24/06	WSD	4.3		
o-Xylene	ug/m3	ND	02/24/06	WSD	2.2		

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3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: EFF

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

2/28/2006

Page 15 of 25

Purchase Order No.:

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

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3630 EAST WIER AVENUE
PHOENIX, AZ 85040

Purchase Order No.:

2/28/2006
Page 16 of 25

Project Location: SOUTH MESA
Date Received: 2/20/2006
Field Sample #: INF

Project Number: 4972042034
LIMS-BAT #: LIMS-95547
Job Number: 4972042034

Sample ID : 06B06465

Sampled : 2/17/2006
NOT SPECIFIED

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	ND	02/24/06	WSD	1.2		
Benzene	ug/m3	1.9	02/24/06	WSD	1.6		
Benzyl Chloride	ug/m3	ND	02/24/06	WSD	2.6		
Bromodichloromethane	ug/m3	ND	02/24/06	WSD	3.4		
Bromomethane	ug/m3	ND	02/24/06	WSD	1.9		
1,3-Butadiene	ug/m3	ND	02/24/06	WSD	1.1		
2-Butanone (MEK)	ug/m3	1.5	02/24/06	WSD	1.5		
Carbon Disulfide	ug/m3	ND	02/24/06	WSD	1.6		
Carbon Tetrachloride	ug/m3	ND	02/24/06	WSD	3.1		
Chlorobenzene	ug/m3	ND	02/24/06	WSD	2.3		
Chlorodibromomethane	ug/m3	ND	02/24/06	WSD	4.3		
Chloroethane	ug/m3	ND	02/24/06	WSD	1.3		
Chloroform	ug/m3	5.5	02/24/06	WSD	2.4		
Chloromethane	ug/m3	ND	02/24/06	WSD	1.0		
Cyclohexane	ug/m3	ND	02/24/06	WSD	1.7		
1,2-Dibromoethane	ug/m3	ND	02/24/06	WSD	3.8		
1,2-Dichlorobenzene	ug/m3	ND	02/24/06	WSD	3.0		
1,3-Dichlorobenzene	ug/m3	ND	02/24/06	WSD	3.0		
1,4-Dichlorobenzene	ug/m3	ND	02/24/06	WSD	3.0		
Dichlorodifluoromethane	ug/m3	ND	02/24/06	WSD	2.5		
1,1-Dichloroethane	ug/m3	13.	02/24/06	WSD	2.0		
1,2-Dichloroethane	ug/m3	ND	02/24/06	WSD	2.0		
1,1-Dichloroethylene	ug/m3	9.4	02/24/06	WSD	2.0		
cis-1,2-Dichloroethylene	ug/m3	4.3	02/24/06	WSD	2.0		
t-1,2-Dichloroethylene	ug/m3	ND	02/24/06	WSD	2.0		
1,2-Dichloropropane	ug/m3	4.3	02/24/06	WSD	2.3		
cis-1,3-Dichloropropene	ug/m3	ND	02/24/06	WSD	2.3		
trans-1,3-Dichloropropene	ug/m3	ND	02/24/06	WSD	2.3		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	02/24/06	WSD	3.5		
Ethanol	ug/m3	10.	02/24/06	WSD	0.9		

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Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: INF

Sample ID: 06B06465

Sample Matrix: AIR

Purchase Order No.:

Sampled: 2/17/2006
NOT SPECIFIED

2/28/2006

Page 17 of 25

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Ethyl Acetate	ug/m3	ND	02/24/06	WSD	1.8			
Ethylbenzene	ug/m3	ND	02/24/06	WSD	2.2			
4-Ethyl Toluene	ug/m3	ND	02/24/06	WSD	2.5			
n-Heptane	ug/m3	ND	02/24/06	WSD	2.0			
Hexachlorobutadiene	ug/m3	ND	02/24/06	WSD	5.3			
Hexane	ug/m3	3.3	02/24/06	WSD	1.8			
2-Hexanone	ug/m3	ND	02/24/06	WSD	2.0			
Isopropanol	ug/m3	ND	02/24/06	WSD	1.2			
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	02/24/06	WSD	1.8			
Methylene Chloride	ug/m3	ND	02/24/06	WSD	1.7			
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	02/24/06	WSD	2.0			
Propene	ug/m3	ND	02/24/06	WSD	0.9			
Styrene	ug/m3	ND	02/24/06	WSD	2.1			
1,1,2,2-Tetrachloroethane	ug/m3	ND	02/24/06	WSD	3.4			
Tetrachloroethylene	ug/m3	680.	02/24/06	WSD	3.4			
Tetrahydrofuran	ug/m3	ND	02/24/06	WSD	1.5			
Toluene	ug/m3	5.5	02/24/06	WSD	1.9			
1,2,4-Trichlorobenzene	ug/m3	ND	02/24/06	WSD	3.7			
1,1,1-Trichloroethane	ug/m3	ND	02/24/06	WSD	2.7			
1,1,2-Trichloroethane	ug/m3	ND	02/24/06	WSD	2.7			
Trichloroethylene	ug/m3	3.2	02/24/06	WSD	2.7			
Trichlorofluoromethane	ug/m3	5.0	02/24/06	WSD	2.8			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	02/24/06	WSD	3.8			
1,2,4-Trimethylbenzene	ug/m3	ND	02/24/06	WSD	2.5			
1,3,5-Trimethylbenzene	ug/m3	ND	02/24/06	WSD	2.5			
Vinyl Acetate	ug/m3	4.1	02/24/06	WSD	1.8			
Vinyl Chloride	ug/m3	ND	02/24/06	WSD	1.3			
m/p-Xylene	ug/m3	ND	02/24/06	WSD	4.3			
o-Xylene	ug/m3	ND	02/24/06	WSD	2.2			

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PHOENIX, AZ 85040

Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: INF

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

2/28/2006

Page 18 of 25

Purchase Order No.:

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

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PHOENIX, AZ 85040

Purchase Order No.:

2/28/2006

Page 19 of 25

Project Location: SOUTH MESA
Date Received: 2/20/2006
Field Sample #: INT

Project Number: 4972042034
LIMS-BAT #: LIMS-95547
Job Number: 4972042034

Sample ID : 06B06466

Sampled : 2/17/2006
NOT SPECIFIED

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/m3	18.	02/24/06	WSD	1.2		
Benzene	ug/m3	ND	02/24/06	WSD	1.6		
Benzyl Chloride	ug/m3	ND	02/24/06	WSD	2.6		
Bromodichloromethane	ug/m3	ND	02/24/06	WSD	3.4		
Bromomethane	ug/m3	ND	02/24/06	WSD	1.9		
1,3-Butadiene	ug/m3	ND	02/24/06	WSD	1.1		
2-Butanone (MEK)	ug/m3	1.7	02/24/06	WSD	1.5		
Carbon Disulfide	ug/m3	ND	02/24/06	WSD	1.6		
Carbon Tetrachloride	ug/m3	ND	02/24/06	WSD	3.1		
Chlorobenzene	ug/m3	ND	02/24/06	WSD	2.3		
Chlorodibromomethane	ug/m3	ND	02/24/06	WSD	4.3		
Chloroethane	ug/m3	ND	02/24/06	WSD	1.3		
Chloroform	ug/m3	4.1	02/24/06	WSD	2.4		
Chloromethane	ug/m3	1.3	02/24/06	WSD	1.0		
Cyclohexane	ug/m3	ND	02/24/06	WSD	1.7		
1,2-Dibromoethane	ug/m3	ND	02/24/06	WSD	3.8		
1,2-Dichlorobenzene	ug/m3	ND	02/24/06	WSD	3.0		
1,3-Dichlorobenzene	ug/m3	ND	02/24/06	WSD	3.0		
1,4-Dichlorobenzene	ug/m3	ND	02/24/06	WSD	3.0		
Dichlorodifluoromethane	ug/m3	5.5	02/24/06	WSD	2.5		
1,1-Dichloroethane	ug/m3	10.	02/24/06	WSD	2.0		
1,2-Dichloroethane	ug/m3	ND	02/24/06	WSD	2.0		
1,1-Dichloroethylene	ug/m3	10.	02/24/06	WSD	2.0		
cis-1,2-Dichloroethylene	ug/m3	6.7	02/24/06	WSD	2.0		
t-1,2-Dichloroethylene	ug/m3	ND	02/24/06	WSD	2.0		
1,2-Dichloropropane	ug/m3	5.5	02/24/06	WSD	2.3		
cis-1,3-Dichloropropene	ug/m3	ND	02/24/06	WSD	2.3		
trans-1,3-Dichloropropene	ug/m3	ND	02/24/06	WSD	2.3		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	02/24/06	WSD	3.5		
Ethanol	ug/m3	18.	02/24/06	WSD	0.9		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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* = See end of report for comments and notes applying to this sample



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JIM CLARKE

MACTEC ENGINEERING & CONSULTING - AZ

3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Purchase Order No.:

2/28/2006

Page 20 of 25

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: INT

Sample ID: 06B06466

Sampled: 2/17/2006

NOT SPECIFIED

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	02/24/06	WSD	1.8		
Ethylbenzene	ug/m3	ND	02/24/06	WSD	2.2		
4-Ethyl Toluene	ug/m3	ND	02/24/06	WSD	2.5		
n-Heptane	ug/m3	ND	02/24/06	WSD	2.0		
Hexachlorobutadiene	ug/m3	ND	02/24/06	WSD	5.3		
Hexane	ug/m3	ND	02/24/06	WSD	1.8		
2-Hexanone	ug/m3	ND	02/24/06	WSD	2.0		
Isopropanol	ug/m3	60.	02/24/06	WSD	1.2		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	02/24/06	WSD	1.8		
Methylene Chloride	ug/m3	2.3	02/24/06	WSD	1.7		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	02/24/06	WSD	2.0		
Propene	ug/m3	ND	02/24/06	WSD	0.9		
Styrene	ug/m3	ND	02/24/06	WSD	2.1		
1,1,2,2-Tetrachloroethane	ug/m3	ND	02/24/06	WSD	3.4		
Tetrachloroethylene	ug/m3	520.	02/24/06	WSD	3.4		
Tetrahydrofuran	ug/m3	ND	02/24/06	WSD	1.5		
Toluene	ug/m3	ND	02/24/06	WSD	1.9		
1,2,4-Trichlorobenzene	ug/m3	ND	02/24/06	WSD	3.7		
1,1,1-Trichloroethane	ug/m3	ND	02/24/06	WSD	2.7		
1,1,2-Trichloroethane	ug/m3	ND	02/24/06	WSD	2.7		
Trichloroethylene	ug/m3	6.3	02/24/06	WSD	2.7		
Trichlorofluoromethane	ug/m3	2.9	02/24/06	WSD	2.8		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	02/24/06	WSD	3.8		
1,2,4-Trimethylbenzene	ug/m3	ND	02/24/06	WSD	2.5		
1,3,5-Trimethylbenzene	ug/m3	ND	02/24/06	WSD	2.5		
Vinyl Acetate	ug/m3	ND	02/24/06	WSD	1.8		
Vinyl Chloride	ug/m3	ND	02/24/06	WSD	1.3		
m/p-Xylene	ug/m3	ND	02/24/06	WSD	4.3		
o-Xylene	ug/m3	ND	02/24/06	WSD	2.2		

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MACTEC ENGINEERING & CONSULTING - AZ

3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: INT

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

2/28/2006

Page 21 of 25

Purchase Order No.:

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

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MACTEC ENGINEERING & CONSULTING - AZ

3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: VW-7B

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

2/28/2006

Page 24 of 25

Purchase Order No.:

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

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PHOENIX, AZ 85040

Purchase Order No.:

2/28/2006

Page 25 of 25

Project Location: SOUTH MESA

Date Received: 2/20/2006

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

The following notes were attached to the reported analysis :

Sample ID: * 06B06468

Analysis: to-15 ppbv

Sample was not reanalyzed to determine final concentration for Tetrachloroethylene due to lack of sample.

Sample ID: * 06B06468

Analysis: Tetrachloroethylene

REPORTED RESULT IS ESTIMATED. VALUE REPORTED OVER VERIFIED CALIBRATION RANGE.

Sample ID: * 06B06468

Analysis: Tetrachloroethylene

REPORTED RESULT IS ESTIMATED. VALUE REPORTED OVER VERIFIED CALIBRATION RANGE.

** END OF REPORT **

RL = Reporting Limit

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/28/2006

Lims Bat #: LIMS-95547

Page 1 of 8

QC Batch Number: BATCH-10576

Sample Id	Analysis	QC Analysis	Values	Units	Limits
06B06465	4-Bromofluorobenzene	Surrogate Recovery	112.6	%	70-130
06B06466	4-Bromofluorobenzene	Surrogate Recovery	87.0	%	70-130
06B06467	4-Bromofluorobenzene	Surrogate Recovery	85.0	%	70-130
06B06468	4-Bromofluorobenzene	Surrogate Recovery	85.0	%	70-130
BLANK-84988	Acetone	Blank	<1.2	ug/m3	
	Benzene	Blank	<1.6	ug/m3	
	Carbon Tetrachloride	Blank	<3.1	ug/m3	
	Chloroform	Blank	<2.4	ug/m3	
	1,2-Dichloroethane	Blank	<2.0	ug/m3	
	1,4-Dichlorobenzene	Blank	<3.0	ug/m3	
	Ethyl Acetate	Blank	<1.8	ug/m3	
	Ethylbenzene	Blank	<2.2	ug/m3	
	Hexane	Blank	<1.8	ug/m3	
	Isopropanol	Blank	<1.2	ug/m3	
	2-Butanone (MEK)	Blank	<1.5	ug/m3	
	4-Methyl-2-Pentanone (MIBK)	Blank	<2.0	ug/m3	
	Styrene	Blank	<2.1	ug/m3	
	Tetrachloroethylene	Blank	<3.4	ug/m3	
	Toluene	Blank	<1.9	ug/m3	
	1,1,1-Trichloroethane	Blank	<2.7	ug/m3	
	Trichloroethylene	Blank	<2.7	ug/m3	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<3.8	ug/m3	
	Trichlorofluoromethane	Blank	<2.8	ug/m3	
	o-Xylene	Blank	<2.2	ug/m3	
	m/p-Xylene	Blank	<4.3	ug/m3	
	1,2-Dichlorobenzene	Blank	<3.0	ug/m3	
	1,3-Dichlorobenzene	Blank	<3.0	ug/m3	
	1,1-Dichloroethane	Blank	<2.0	ug/m3	
	1,1-Dichloroethylene	Blank	<2.0	ug/m3	
	Ethanol	Blank	<0.9	ug/m3	
	4-Ethyl Toluene	Blank	<2.5	ug/m3	
	Methyl tert-Butyl Ether (MTBE)	Blank	<1.8	ug/m3	
	t-1,2-Dichloroethylene	Blank	<2.0	ug/m3	
	Vinyl Chloride	Blank	<1.3	ug/m3	
	Methylene Chloride	Blank	<1.7	ug/m3	
	Chlorobenzene	Blank	<2.3	ug/m3	
	Chloromethane	Blank	<1.0	ug/m3	
	Bromomethane	Blank	<1.9	ug/m3	
	Chloroethane	Blank	<1.3	ug/m3	



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

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Sample Matrix Spikes and Matrix Spike Duplicates

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Method Blanks

Report Date: 2/28/2006

Lims Bat #: LIMS-95547

Page 2 of 8

QC Batch Number: BATCH-10576

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-84988	cis-1,3-Dichloropropene	Blank	<2.3	ug/m3	
	trans-1,3-Dichloropropene	Blank	<2.3	ug/m3	
	Chlorodibromomethane	Blank	<4.3	ug/m3	
	1,1,2-Trichloroethane	Blank	<2.7	ug/m3	
	1,1,2,2-Tetrachloroethane	Blank	<3.4	ug/m3	
	Hexachlorobutadiene	Blank	<5.3	ug/m3	
	1,2,4-Trichlorobenzene	Blank	<3.7	ug/m3	
	1,2,4-Trimethylbenzene	Blank	<2.5	ug/m3	
	1,3,5-Trimethylbenzene	Blank	<2.5	ug/m3	
	Cyclohexane	Blank	<1.7	ug/m3	
	cis-1,2-Dichloroethylene	Blank	<2.0	ug/m3	
	1,2-Dichloropropane	Blank	<2.3	ug/m3	
	Dichlorodifluoromethane	Blank	<2.5	ug/m3	
	Benzyl Chloride	Blank	<2.6	ug/m3	
	Carbon Disulfide	Blank	<1.6	ug/m3	
	Vinyl Acetate	Blank	<1.8	ug/m3	
	2-Hexanone	Blank	<2.0	ug/m3	
	Bromodichloromethane	Blank	<3.4	ug/m3	
	1,2-Dibromoethane	Blank	<3.8	ug/m3	
	n-Heptane	Blank	<2.0	ug/m3	
	1,2-Dichlorotetrafluoroethane (114)	Blank	<3.5	ug/m3	
	Tetrahydrofuran	Blank	<1.5	ug/m3	
	Propene	Blank	<0.9	ug/m3	
	1,3-Butadiene	Blank	<1.1	ug/m3	
LFBLANK-49136	Acetone	Lab Fort Blank Amt.	23.8	ug/m3	
		Lab Fort Blk. Found	20.9	ug/m3	
		Lab Fort Blk. % Rec.	88.0	%	50-150
	Benzene	Lab Fort Blank Amt.	31.9	ug/m3	
		Lab Fort Blk. Found	32.5	ug/m3	
		Lab Fort Blk. % Rec.	101.9	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	62.9	ug/m3	
		Lab Fort Blk. Found	64.7	ug/m3	
		Lab Fort Blk. % Rec.	102.9	%	70-130
	Chloroform	Lab Fort Blank Amt.	48.7	ug/m3	
		Lab Fort Blk. Found	48.6	ug/m3	
		Lab Fort Blk. % Rec.	99.9	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	40.5	ug/m3	
		Lab Fort Blk. Found	42.6	ug/m3	
		Lab Fort Blk. % Rec.	105.1	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	60.1	ug/m3	
		Lab Fort Blk. Found	62.6	ug/m3	
		Lab Fort Blk. % Rec.	104.1	%	70-130

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

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Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/28/2006

Lims Bat #: LIMS-95547

Page 3 of 8

QC Batch Number: BATCH-10576

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-49136					
Ethyl Acetate		Lab Fort Blank Amt.	36.0	ug/m3	
		Lab Fort Blk. Found	33.1	ug/m3	
		Lab Fort Blk. % Rec.	91.9	%	50-150
Ethylbenzene		Lab Fort Blank Amt.	43.4	ug/m3	
		Lab Fort Blk. Found	48.5	ug/m3	
		Lab Fort Blk. % Rec.	111.9	%	70-130
Hexane		Lab Fort Blank Amt.	35.2	ug/m3	
		Lab Fort Blk. Found	30.2	ug/m3	
		Lab Fort Blk. % Rec.	85.6	%	70-130
Isopropanol		Lab Fort Blank Amt.	24.6	ug/m3	
		Lab Fort Blk. Found	20.5	ug/m3	
		Lab Fort Blk. % Rec.	83.4	%	50-150
2-Butanone (MEK)		Lab Fort Blank Amt.	29.5	ug/m3	
		Lab Fort Blk. Found	28.0	ug/m3	
		Lab Fort Blk. % Rec.	95.1	%	70-130
4-Methyl-2-Pentanone (MIBK)		Lab Fort Blank Amt.	41.0	ug/m3	
		Lab Fort Blk. Found	39.1	ug/m3	
		Lab Fort Blk. % Rec.	95.5	%	70-130
Styrene		Lab Fort Blank Amt.	42.5	ug/m3	
		Lab Fort Blk. Found	47.6	ug/m3	
		Lab Fort Blk. % Rec.	111.9	%	70-130
Tetrachloroethylene		Lab Fort Blank Amt.	67.8	ug/m3	
		Lab Fort Blk. Found	76.8	ug/m3	
		Lab Fort Blk. % Rec.	113.3	%	70-130
Toluene		Lab Fort Blank Amt.	37.6	ug/m3	
		Lab Fort Blk. Found	42.3	ug/m3	
		Lab Fort Blk. % Rec.	112.5	%	70-130
1,1,1-Trichloroethane		Lab Fort Blank Amt.	54.6	ug/m3	
		Lab Fort Blk. Found	55.3	ug/m3	
		Lab Fort Blk. % Rec.	101.4	%	70-130
Trichloroethylene		Lab Fort Blank Amt.	53.7	ug/m3	
		Lab Fort Blk. Found	54.5	ug/m3	
		Lab Fort Blk. % Rec.	101.4	%	70-130
1,1,2-Trichloro-1,2,2-Trifluoroethane		Lab Fort Blank Amt.	76.6	ug/m3	
		Lab Fort Blk. Found	71.7	ug/m3	
		Lab Fort Blk. % Rec.	93.5	%	70-130
Trichlorofluoromethane		Lab Fort Blank Amt.	56.2	ug/m3	
		Lab Fort Blk. Found	54.4	ug/m3	
		Lab Fort Blk. % Rec.	96.9	%	70-130
o-Xylene		Lab Fort Blank Amt.	43.4	ug/m3	
		Lab Fort Blk. Found	48.5	ug/m3	
		Lab Fort Blk. % Rec.	111.6	%	70-130
m/p-Xylene		Lab Fort Blank Amt.	86.9	ug/m3	



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/28/2006

Lims Bat # : LIMS-95547

Page 4 of 8

QC Batch Number: BATCH-10576

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-49136	m/p-Xylene	Lab Fort Blk. Found	95.8	ug/m3	
		Lab Fort Blk. % Rec.	110.3	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	60.1	ug/m3	
		Lab Fort Blk. Found	69.3	ug/m3	
	1,3-Dichlorobenzene	Lab Fort Blk. % Rec.	115.2	%	70-130
		Lab Fort Blank Amt.	60.1	ug/m3	
	1,1-Dichloroethane	Lab Fort Blk. Found	68.2	ug/m3	
		Lab Fort Blk. % Rec.	113.5	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	40.5	ug/m3	
		Lab Fort Blk. Found	38.2	ug/m3	
		Lab Fort Blk. % Rec.	94.3	%	70-130
		Lab Fort Blank Amt.	39.7	ug/m3	
	Ethanol	Lab Fort Blk. Found	36.7	ug/m3	
		Lab Fort Blk. % Rec.	92.6	%	70-130
		Lab Fort Blank Amt.	18.8	ug/m3	
		Lab Fort Blk. Found	16.3	ug/m3	
	4-Ethyl Toluene	Lab Fort Blk. % Rec.	86.7	%	50-150
		Lab Fort Blank Amt.	49.2	ug/m3	
		Lab Fort Blk. Found	55.7	ug/m3	
		Lab Fort Blk. % Rec.	113.3	%	50-150
	Methyl tert-Butyl Ether (MTBE)	Lab Fort Blank Amt.	36.1	ug/m3	
		Lab Fort Blk. Found	39.8	ug/m3	
		Lab Fort Blk. % Rec.	110.5	%	70-130
		Lab Fort Blank Amt.	39.6	ug/m3	
	t-1,2-Dichloroethylene	Lab Fort Blk. Found	39.1	ug/m3	
		Lab Fort Blk. % Rec.	98.6	%	70-130
	Vinyl Chloride	Lab Fort Blank Amt.	25.6	ug/m3	
		Lab Fort Blk. Found	22.5	ug/m3	
		Lab Fort Blk. % Rec.	88.1	%	70-130
		Lab Fort Blank Amt.	34.7	ug/m3	
	Methylene Chloride	Lab Fort Blk. Found	30.0	ug/m3	
		Lab Fort Blk. % Rec.	86.4	%	70-130
	Chlorobenzene	Lab Fort Blank Amt.	46.1	ug/m3	
		Lab Fort Blk. Found	46.7	ug/m3	
		Lab Fort Blk. % Rec.	101.4	%	70-130
		Lab Fort Blank Amt.	20.7	ug/m3	
	Chloromethane	Lab Fort Blk. Found	16.2	ug/m3	
		Lab Fort Blk. % Rec.	78.4	%	70-130
	Bromomethane	Lab Fort Blank Amt.	38.8	ug/m3	
		Lab Fort Blk. Found	35.8	ug/m3	
		Lab Fort Blk. % Rec.	92.2	%	70-130
		Lab Fort Blank Amt.	26.4	ug/m3	
	Chloroethane	Lab Fort Blk. Found	24.0	ug/m3	

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

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Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/28/2006

Lims Bat #: LIMS-95547

Page 5 of 8

QC Batch Number: BATCH-10576

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-49136					
	Chloroethane	Lab Fort Blk. % Rec.	91.1	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	45.4	ug/m3	
		Lab Fort Blk. Found	45.7	ug/m3	
		Lab Fort Blk. % Rec.	100.6	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	45.4	ug/m3	
		Lab Fort Blk. Found	47.5	ug/m3	
		Lab Fort Blk. % Rec.	104.7	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	85.2	ug/m3	
		Lab Fort Blk. Found	98.6	ug/m3	
		Lab Fort Blk. % Rec.	115.7	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	54.6	ug/m3	
		Lab Fort Blk. Found	58.3	ug/m3	
		Lab Fort Blk. % Rec.	106.8	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	68.7	ug/m3	
		Lab Fort Blk. Found	74.2	ug/m3	
		Lab Fort Blk. % Rec.	108.0	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	106.7	ug/m3	
		Lab Fort Blk. Found	143.6	ug/m3	
		Lab Fort Blk. % Rec.	134.6	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	74.2	ug/m3	
		Lab Fort Blk. Found	100.9	ug/m3	
		Lab Fort Blk. % Rec.	136.0	%	70-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	49.2	ug/m3	
		Lab Fort Blk. Found	55.0	ug/m3	
		Lab Fort Blk. % Rec.	111.8	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	49.2	ug/m3	
		Lab Fort Blk. Found	54.1	ug/m3	
		Lab Fort Blk. % Rec.	110.0	%	70-130
	Cyclohexane	Lab Fort Blank Amt.	34.4	ug/m3	
		Lab Fort Blk. Found	27.2	ug/m3	
		Lab Fort Blk. % Rec.	79.0	%	50-150
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	39.7	ug/m3	
		Lab Fort Blk. Found	42.1	ug/m3	
		Lab Fort Blk. % Rec.	106.2	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	46.2	ug/m3	
		Lab Fort Blk. Found	41.6	ug/m3	
		Lab Fort Blk. % Rec.	90.0	%	70-130
	Dichlorodifluoromethane	Lab Fort Blank Amt.	49.5	ug/m3	
		Lab Fort Blk. Found	47.9	ug/m3	
		Lab Fort Blk. % Rec.	96.8	%	70-130
	Benzyl Chloride	Lab Fort Blank Amt.	51.8	ug/m3	
		Lab Fort Blk. Found	60.0	ug/m3	
		Lab Fort Blk. % Rec.	115.9	%	70-130



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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

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Method Blanks

Report Date: 2/28/2006

Lims Bat #: LIMS-95547

Page 6 of 8

QC Batch Number: BATCH-10576

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-49136	Carbon Disulfide	Lab Fort Blank Amt.	31.1	ug/m3	
		Lab Fort Blk. Found	34.2	ug/m3	
		Lab Fort Blk. % Rec.	109.8	%	70-130
	Vinyl Acetate	Lab Fort Blank Amt.	35.2	ug/m3	
		Lab Fort Blk. Found	35.4	ug/m3	
		Lab Fort Blk. % Rec.	100.5	%	70-130
	2-Hexanone	Lab Fort Blank Amt.	41.0	ug/m3	
		Lab Fort Blk. Found	39.6	ug/m3	
		Lab Fort Blk. % Rec.	96.6	%	50-150
	Bromodichloromethane	Lab Fort Blank Amt.	67.0	ug/m3	
		Lab Fort Blk. Found	68.0	ug/m3	
		Lab Fort Blk. % Rec.	101.5	%	70-130
	1,2-Dibromoethane	Lab Fort Blank Amt.	76.9	ug/m3	
		Lab Fort Blk. Found	86.0	ug/m3	
		Lab Fort Blk. % Rec.	111.9	%	70-130
	n-Heptane	Lab Fort Blank Amt.	41.0	ug/m3	
		Lab Fort Blk. Found	40.7	ug/m3	
		Lab Fort Blk. % Rec.	99.2	%	50-150
	1,2-Dichlorotetrafluoroethane (114)	Lab Fort Blank Amt.	69.9	ug/m3	
		Lab Fort Blk. Found	65.1	ug/m3	
		Lab Fort Blk. % Rec.	93.1	%	70-130
	Tetrahydrofuran	Lab Fort Blank Amt.	29.5	ug/m3	
		Lab Fort Blk. Found	27.1	ug/m3	
		Lab Fort Blk. % Rec.	91.9	%	50-150
	Propene	Lab Fort Blank Amt.	17.2	ug/m3	
		Lab Fort Blk. Found	14.1	ug/m3	
		Lab Fort Blk. % Rec.	81.7	%	50-150
	1,3-Butadiene	Lab Fort Blank Amt.	22.1	ug/m3	
		Lab Fort Blk. Found	19.0	ug/m3	
		Lab Fort Blk. % Rec.	85.7	%	70-130



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/28/2006

Lims Bat #: LIMS-95547

Page 7 of 8

NOTES:

QC Batch No. : BATCH-10576

Sample ID : LFBLANK-49136

Analysis : 1,2,4-Trichlorobenzene

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.

QC Batch No. : BATCH-10576

Sample ID : LFBLANK-49136

Analysis : Hexachlorobutadiene

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/28/2006

Lims Bat #: LIMS-95547

Page 8 of 8

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken through all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries



Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

LIMS-95547

39 SPRUCE ST
EAST LONGMEADOW, MA 01028

Page 1 of 1

Company Name: MACTEC, INC
Address: 3630 E WICK AVE
PHX, AZ 85040

Telephone: (602) 437-0250
Project # 4972-04-2034
Client PO # _____

Attention: JIM CLARKE

Project Location: SANTEL MESA

Sampled By: MARK HAMMER

Proposal Provided? (For Billing purposes) ☐ yes ☐ no

State Form Required? ☐ yes ☐ no

Field ID Sample Description OB Lab # _____

INT → 06465 CT1138

INT → 06466 CT1156

EFF → 06467 CT1158

YU-78 → 06467 CT11365

Laboratory Comments:

DATA DELIVERY (check one):
☐ FAX ☐ EMAIL ☐ WEBSITE CLIENT
Email: _____
Format: ☒ EXCEL ☒ PDF ☐ GIS KEY
☐ OTHER _____

Date Sampled
Start Date/Time Stop Date/Time
2/17/06 10:20
10:10
10:00
10:40

TO 15

ANALYSIS REQUESTED

of containers

**Preservation

Cont. Code

Cont. Code

Cont. Code

Cont. Code

Cont. Code

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Turnaround **
☒ 7-Day
☐ 10-Day
☐ Other _____

Detection Limit Requirements
Regulations? _____
Data Enhancement Project/RCP? ☐ Y ☐ N

*Matrix Code:
GW = groundwater
WW = wastewater
DW = drinking water
A = air
S = soil/solid
SL = sludge
O = other _____

**Preservation Codes:
I = Iced X = Na hydroxide
H = HCL T = Na thiosulfate
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
O = Other _____

Special Requirements or DL's: _____

Regulations? _____

Regulations? _____

Require lab approval

Require lab approval

Require lab approval

Con-Test Laboratory is the ONLY Independent Laboratory in all of New England with both prestigious AIHA and NELAP Certifications and WBE/DBE Certified!



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REPORT DATE 2/28/2006

MACTEC ENGINEERING & CONSULTING - AZ
3630 EAST WIER AVENUE
PHOENIX, AZ 85040
ATTN: JIM CLARKE

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER: 4972042034

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-95547

JOB NUMBER: 4972042034

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: SOUTH MESA

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST
EFF	06B06467	AIR	NOT SPECIFIED	to-15 ppbv
EFF	06B06467	AIR	NOT SPECIFIED	to-15 ug/m3
INF	06B06465	AIR	NOT SPECIFIED	to-15 ppbv
INF	06B06465	AIR	NOT SPECIFIED	to-15 ug/m3
INT	06B06466	AIR	NOT SPECIFIED	to-15 ppbv
INT	06B06466	AIR	NOT SPECIFIED	to-15 ug/m3
*VW-7B	06B06468	AIR	NOT SPECIFIED	to-15 ppbv
*VW-7B	06B06468	AIR	NOT SPECIFIED	to-15 ug/m3



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REPORT DATE 2/28/2006

MACTEC ENGINEERING & CONSULTING - AZ
3630 EAST WIER AVENUE
PHOENIX, AZ 85040
ATTN: JIM CLARKE

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER: 4972042034

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-95547
JOB NUMBER: 4972042034

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

Comments :

LIMS BATCH NO. : LIMS-95547

ETHANOL AND ISOPROPANOL RESULTS ARE NOT FOR ARIZONA COMPLIANCE.

ANY REPORTED RESULT FOR 1,2,4-TRICHLOROBENZENE AND HEXACHLOROBUTADIENE ARE ESTIMATED
SINCE CONTINUING CALIBRATION DID NOT MEET METHOD SPECIFICATIONS.

REPORTED RESULT FOR TETRACHLOROETHYLENE IN SAMPLE 06B06468 IS ESTIMATED SINCE IT WAS
QUANTITATED OVER THE VERIFIED CALIBRATION RANGE FOR THE SAMPLE. SAMPLE COULD NOT BE
DILUTED AND RE-ANALYZED SINCE THERE WAS NOT ENOUGH SAMPLE.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations :

AIHA 100033	AIHA ELLAP (LEAD) 100033	
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	ARIZONA AZ0648
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	ARIZONA AZ0654 (AIR)

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Sondra L. Slesinski 02/28/06
SIGNATURE DATE

Tod Kopyscinski
Director of Operations

Sondra L. Slesinski
Quality Assurance Officer

Edward Denson
Technical Director

* See end of data tabulation for notes and comments pertaining to this sample



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JIM CLARKE

MACTEC ENGINEERING & CONSULTING - AZ

3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Purchase Order No.:

2/28/2006

Page 1 of 25

Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: EFF

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

Sample ID: 06B06467

Sampled: 2/17/2006

NOT SPECIFIED

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	PPBv	6.2	02/24/06	WSD	0.5		
Benzene	PPBv	ND	02/24/06	WSD	0.5		
Benzyl Chloride	PPBv	ND	02/24/06	WSD	0.5		
Bromodichloromethane	PPBv	ND	02/24/06	WSD	0.5		
Bromomethane	PPBv	ND	02/24/06	WSD	0.5		
1,3-Butadiene	PPBv	ND	02/24/06	WSD	0.5		
2-Butanone (MEK)	PPBv	ND	02/24/06	WSD	0.5		
Carbon Disulfide	PPBv	ND	02/24/06	WSD	0.5		
Carbon Tetrachloride	PPBv	ND	02/24/06	WSD	0.5		
Chlorobenzene	PPBv	ND	02/24/06	WSD	0.5		
Chlorodibromomethane	PPBv	ND	02/24/06	WSD	0.5		
Chloroethane	PPBv	ND	02/24/06	WSD	0.5		
Chloroform	PPBv	1.4	02/24/06	WSD	0.5		
Chloromethane	PPBv	0.5	02/24/06	WSD	0.5		
Cyclohexane	PPBv	ND	02/24/06	WSD	0.5		
1,2-Dibromoethane	PPBv	ND	02/24/06	WSD	0.5		
1,2-Dichlorobenzene	PPBv	ND	02/24/06	WSD	0.5		
1,3-Dichlorobenzene	PPBv	ND	02/24/06	WSD	0.5		
1,4-Dichlorobenzene	PPBv	ND	02/24/06	WSD	0.5		
Dichlorodifluoromethane	PPBv	1.0	02/24/06	WSD	0.5		
1,1-Dichloroethane	PPBv	3.7	02/24/06	WSD	0.5		
1,2-Dichloroethane	PPBv	ND	02/24/06	WSD	0.5		
1,1-Dichloroethylene	PPBv	2.8	02/24/06	WSD	0.5		
cis-1,2-Dichloroethylene	PPBv	1.0	02/24/06	WSD	0.5		
t-1,2-Dichloroethylene	PPBv	ND	02/24/06	WSD	0.5		
1,2-Dichloropropane	PPBv	ND	02/24/06	WSD	0.5		
cis-1,3-Dichloropropene	PPBv	ND	02/24/06	WSD	0.5		
trans-1,3-Dichloropropene	PPBv	ND	02/24/06	WSD	0.5		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	02/24/06	WSD	0.5		
Ethanol	PPBv	5.4	02/24/06	WSD	0.5		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

JIM CLARKE
 MACTEC ENGINEERING & CONSULTING - AZ
 3630 EAST WIER AVENUE
 PHOENIX, AZ 85040

2/28/2006

Page 2 of 25

Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: EFF

Sample ID: 06B06467

Purchase Order No.:

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

Sampled: 2/17/2006
 NOT SPECIFIED

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Ethyl Acetate	PPBv	ND	02/24/06	WSD	0.5		
Ethylbenzene	PPBv	ND	02/24/06	WSD	0.5		
4-Ethyl Toluene	PPBv	ND	02/24/06	WSD	0.5		
n-Heptane	PPBv	ND	02/24/06	WSD	0.5		
Hexachlorobutadiene	PPBv	ND	02/24/06	WSD	0.5		
Hexane	PPBv	ND	02/24/06	WSD	0.5		
2-Hexanone	PPBv	ND	02/24/06	WSD	0.5		
Isopropanol	PPBv	0.8	02/24/06	WSD	0.5		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	02/24/06	WSD	0.5		
Methylene Chloride	PPBv	0.6	02/24/06	WSD	0.5		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	02/24/06	WSD	0.5		
Propene	PPBv	ND	02/24/06	WSD	0.5		
Styrene	PPBv	ND	02/24/06	WSD	0.5		
1,1,2,2-Tetrachloroethane	PPBv	ND	02/24/06	WSD	0.5		
Tetrachloroethylene	PPBv	ND	02/24/06	WSD	0.5		
Tetrahydrofuran	PPBv	ND	02/24/06	WSD	0.5		
Toluene	PPBv	ND	02/24/06	WSD	0.5		
1,2,4-Trichlorobenzene	PPBv	ND	02/24/06	WSD	0.5		
1,1,1-Trichloroethane	PPBv	ND	02/24/06	WSD	0.5		
1,1,2-Trichloroethane	PPBv	ND	02/24/06	WSD	0.5		
Trichloroethylene	PPBv	ND	02/24/06	WSD	0.5		
Trichlorofluoromethane (Freon 11)	PPBv	ND	02/24/06	WSD	0.5		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	02/24/06	WSD	0.5		
1,2,4-Trimethylbenzene	PPBv	ND	02/24/06	WSD	0.5		
1,3,5-Trimethylbenzene	PPBv	ND	02/24/06	WSD	0.5		
Vinyl Acetate	PPBv	ND	02/24/06	WSD	0.5		
Vinyl Chloride	PPBv	ND	02/24/06	WSD	0.5		
m/p-Xylene	PPBv	ND	02/24/06	WSD	1.0		
o-Xylene	PPBv	ND	02/24/06	WSD	0.5		

RL = Reporting Limit

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SPEC LIMIT = a client specified recommended or
 regulatory level for comparison with data to
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* = See end of report for comments and notes applying to this sample



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JIM CLARKE

MACTEC ENGINEERING & CONSULTING - AZ

3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Purchase Order No.:

2/28/2006

Page 3 of 25

Project Location: SOUTH MESA

Date Received: 2/20/2006

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

Field Sample #: EFF

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

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* = See end of report for comments and notes applying to this sample

JIM CLARKE

MACTEC ENGINEERING & CONSULTING - AZ

3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: INF

Sample ID: 06B06465

Sample Matrix: AIR

Purchase Order No.:

Sampled: 2/17/2006
NOT SPECIFIED

2/28/2006

Page 4 of 25

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	PPBv	ND	02/24/06	WSD	0.5		
Benzene	PPBv	0.6	02/24/06	WSD	0.5		
Benzyl Chloride	PPBv	ND	02/24/06	WSD	0.5		
Bromodichloromethane	PPBv	ND	02/24/06	WSD	0.5		
Bromomethane	PPBv	ND	02/24/06	WSD	0.5		
1,3-Butadiene	PPBv	ND	02/24/06	WSD	0.5		
2-Butanone (MEK)	PPBv	0.5	02/24/06	WSD	0.5		
Carbon Disulfide	PPBv	ND	02/24/06	WSD	0.5		
Carbon Tetrachloride	PPBv	ND	02/24/06	WSD	0.5		
Chlorobenzene	PPBv	ND	02/24/06	WSD	0.5		
Chlorodibromomethane	PPBv	ND	02/24/06	WSD	0.5		
Chloroethane	PPBv	ND	02/24/06	WSD	0.5		
Chloroform	PPBv	1.1	02/24/06	WSD	0.5		
Chloromethane	PPBv	ND	02/24/06	WSD	0.5		
Cyclohexane	PPBv	ND	02/24/06	WSD	0.5		
1,2-Dibromoethane	PPBv	ND	02/24/06	WSD	0.5		
1,2-Dichlorobenzene	PPBv	ND	02/24/06	WSD	0.5		
1,3-Dichlorobenzene	PPBv	ND	02/24/06	WSD	0.5		
1,4-Dichlorobenzene	PPBv	ND	02/24/06	WSD	0.5		
Dichlorodifluoromethane	PPBv	ND	02/24/06	WSD	0.5		
1,1-Dichloroethane	PPBv	3.1	02/24/06	WSD	0.5		
1,2-Dichloroethane	PPBv	ND	02/24/06	WSD	0.5		
1,1-Dichloroethylene	PPBv	2.4	02/24/06	WSD	0.5		
cis-1,2-Dichloroethylene	PPBv	1.1	02/24/06	WSD	0.5		
t-1,2-Dichloroethylene	PPBv	ND	02/24/06	WSD	0.5		
1,2-Dichloropropane	PPBv	0.9	02/24/06	WSD	0.5		
cis-1,3-Dichloropropene	PPBv	ND	02/24/06	WSD	0.5		
trans-1,3-Dichloropropene	PPBv	ND	02/24/06	WSD	0.5		
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	02/24/06	WSD	0.5		
Ethanol	PPBv	5.5	02/24/06	WSD	0.5		

RL = Reporting Limit

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



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JIM CLARKE

MACTEC ENGINEERING & CONSULTING - AZ

3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Purchase Order No.:

2/28/2006

Page 5 of 25

Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: INF

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

Sample ID : 06B06465

Sampled : 2/17/2006

NOT SPECIFIED

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	PPBv	ND	02/24/06	WSD	0.5		
Ethylbenzene	PPBv	ND	02/24/06	WSD	0.5		
4-Ethyl Toluene	PPBv	ND	02/24/06	WSD	0.5		
n-Heptane	PPBv	ND	02/24/06	WSD	0.5		
Hexachlorobutadiene	PPBv	ND	02/24/06	WSD	0.5		
Hexane	PPBv	0.9	02/24/06	WSD	0.5		
2-Hexanone	PPBv	ND	02/24/06	WSD	0.5		
Isopropanol	PPBv	ND	02/24/06	WSD	0.5		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	02/24/06	WSD	0.5		
Methylene Chloride	PPBv	ND	02/24/06	WSD	0.5		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	02/24/06	WSD	0.5		
Propene	PPBv	ND	02/24/06	WSD	0.5		
Styrene	PPBv	ND	02/24/06	WSD	0.5		
1,1,2,2-Tetrachloroethane	PPBv	ND	02/24/06	WSD	0.5		
Tetrachloroethylene	PPBv	100.	02/24/06	WSD	0.5		
Tetrahydrofuran	PPBv	ND	02/24/06	WSD	0.5		
Toluene	PPBv	1.5	02/24/06	WSD	0.5		
1,2,4-Trichlorobenzene	PPBv	ND	02/24/06	WSD	0.5		
1,1,1-Trichloroethane	PPBv	ND	02/24/06	WSD	0.5		
1,1,2-Trichloroethane	PPBv	ND	02/24/06	WSD	0.5		
Trichloroethylene	PPBv	0.6	02/24/06	WSD	0.5		
Trichlorofluoromethane (Freon 11)	PPBv	0.9	02/24/06	WSD	0.5		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	02/24/06	WSD	0.5		
1,2,4-Trimethylbenzene	PPBv	ND	02/24/06	WSD	0.5		
1,3,5-Trimethylbenzene	PPBv	ND	02/24/06	WSD	0.5		
Vinyl Acetate	PPBv	1.2	02/24/06	WSD	0.5		
Vinyl Chloride	PPBv	ND	02/24/06	WSD	0.5		
m/p-Xylene	PPBv	ND	02/24/06	WSD	1.0		
o-Xylene	PPBv	ND	02/24/06	WSD	0.5		

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JIM CLARKE

MACTEC ENGINEERING & CONSULTING - AZ

3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Purchase Order No.:

2/28/2006

Page 6 of 25

Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: INF

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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PHOENIX, AZ 85040

Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: INT

Sample ID: 06B06466

Sample Matrix: AIR

Purchase Order No.:

Sampled: 2/17/2006
NOT SPECIFIED

2/28/2006

Page 7 of 25

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Acetone	PPBv	7.7	02/24/06	WSD	0.5			
Benzene	PPBv	ND	02/24/06	WSD	0.5			
Benzyl Chloride	PPBv	ND	02/24/06	WSD	0.5			
Bromodichloromethane	PPBv	ND	02/24/06	WSD	0.5			
Bromomethane	PPBv	ND	02/24/06	WSD	0.5			
1,3-Butadiene	PPBv	ND	02/24/06	WSD	0.5			
2-Butanone (MEK)	PPBv	0.6	02/24/06	WSD	0.5			
Carbon Disulfide	PPBv	ND	02/24/06	WSD	0.5			
Carbon Tetrachloride	PPBv	ND	02/24/06	WSD	0.5			
Chlorobenzene	PPBv	ND	02/24/06	WSD	0.5			
Chlorodibromomethane	PPBv	ND	02/24/06	WSD	0.5			
Chloroethane	PPBv	ND	02/24/06	WSD	0.5			
Chloroform	PPBv	0.8	02/24/06	WSD	0.5			
Chloromethane	PPBv	0.6	02/24/06	WSD	0.5			
Cyclohexane	PPBv	ND	02/24/06	WSD	0.5			
1,2-Dibromoethane	PPBv	ND	02/24/06	WSD	0.5			
1,2-Dichlorobenzene	PPBv	ND	02/24/06	WSD	0.5			
1,3-Dichlorobenzene	PPBv	ND	02/24/06	WSD	0.5			
1,4-Dichlorobenzene	PPBv	ND	02/24/06	WSD	0.5			
Dichlorodifluoromethane	PPBv	1.1	02/24/06	WSD	0.5			
1,1-Dichloroethane	PPBv	2.5	02/24/06	WSD	0.5			
1,2-Dichloroethane	PPBv	ND	02/24/06	WSD	0.5			
1,1-Dichloroethylene	PPBv	2.6	02/24/06	WSD	0.5			
cis-1,2-Dichloroethylene	PPBv	1.7	02/24/06	WSD	0.5			
t-1,2-Dichloroethylene	PPBv	ND	02/24/06	WSD	0.5			
1,2-Dichloropropane	PPBv	1.2	02/24/06	WSD	0.5			
cis-1,3-Dichloropropene	PPBv	ND	02/24/06	WSD	0.5			
trans-1,3-Dichloropropene	PPBv	ND	02/24/06	WSD	0.5			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	02/24/06	WSD	0.5			
Ethanol	PPBv	9.6	02/24/06	WSD	0.5			

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MACTEC ENGINEERING & CONSULTING - AZ

3630 EAST WIER AVENUE

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Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: INT

Sample ID: 06B06466

Sampled: 2/17/2006

NOT SPECIFIED

Sample Matrix: AIR

2/28/2006

Page 8 of 25

Purchase Order No.:

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Ethyl Acetate	PPBv	ND	02/24/06	WSD	0.5		
Ethylbenzene	PPBv	ND	02/24/06	WSD	0.5		
4-Ethyl Toluene	PPBv	ND	02/24/06	WSD	0.5		
n-Heptane	PPBv	ND	02/24/06	WSD	0.5		
Hexachlorobutadiene	PPBv	ND	02/24/06	WSD	0.5		
Hexane	PPBv	ND	02/24/06	WSD	0.5		
2-Hexanone	PPBv	ND	02/24/06	WSD	0.5		
Isopropanol	PPBv	25.	02/24/06	WSD	0.5		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	02/24/06	WSD	0.5		
Methylene Chloride	PPBv	0.6	02/24/06	WSD	0.5		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	02/24/06	WSD	0.5		
Propene	PPBv	ND	02/24/06	WSD	0.5		
Styrene	PPBv	ND	02/24/06	WSD	0.5		
1,1,2,2-Tetrachloroethane	PPBv	ND	02/24/06	WSD	0.5		
Tetrachloroethylene	PPBv	77.	02/24/06	WSD	0.5		
Tetrahydrofuran	PPBv	ND	02/24/06	WSD	0.5		
Toluene	PPBv	ND	02/24/06	WSD	0.5		
1,2,4-Trichlorobenzene	PPBv	ND	02/24/06	WSD	0.5		
1,1,1-Trichloroethane	PPBv	ND	02/24/06	WSD	0.5		
1,1,2-Trichloroethane	PPBv	ND	02/24/06	WSD	0.5		
Trichloroethylene	PPBv	1.2	02/24/06	WSD	0.5		
Trichlorofluoromethane (Freon 11)	PPBv	0.5	02/24/06	WSD	0.5		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	02/24/06	WSD	0.5		
1,2,4-Trimethylbenzene	PPBv	ND	02/24/06	WSD	0.5		
1,3,5-Trimethylbenzene	PPBv	ND	02/24/06	WSD	0.5		
Vinyl Acetate	PPBv	ND	02/24/06	WSD	0.5		
Vinyl Chloride	PPBv	ND	02/24/06	WSD	0.5		
m/p-Xylene	PPBv	ND	02/24/06	WSD	1.0		
o-Xylene	PPBv	ND	02/24/06	WSD	0.5		

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3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: INT

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

2/28/2006

Page 9 of 25

Purchase Order No.:

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

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Project Location: SOUTH MESA
Date Received: 2/20/2006
Field Sample #: VW-7B

Sample ID: *06B06468

Sampled: 2/17/2006
NOT SPECIFIED

Sample Matrix: AIR

2/28/2006

Page 10 of 25

Purchase Order No.:

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/F
Acetone	PPBv	6.0	02/25/06	WSD	0.5		
Benzene	PPBv	ND	02/25/06	WSD	0.5		
Benzyl Chloride	PPBv	ND	02/25/06	WSD	0.5		
Bromodichloromethane	PPBv	2.0	02/25/06	WSD	0.5		
Bromomethane	PPBv	ND	02/25/06	WSD	0.5		
1,3-Butadiene	PPBv	ND	02/25/06	WSD	0.5		
2-Butanone (MEK)	PPBv	1.1	02/25/06	WSD	0.5		
Carbon Disulfide	PPBv	ND	02/25/06	WSD	0.5		
Carbon Tetrachloride	PPBv	ND	02/25/06	WSD	0.5		
Chlorobenzene	PPBv	ND	02/25/06	WSD	0.5		
Chlorodibromomethane	PPBv	ND	02/25/06	WSD	0.5		
Chloroethane	PPBv	ND	02/25/06	WSD	0.5		
Chloroform	PPBv	10.	02/25/06	WSD	0.5		
Chloromethane	PPBv	ND	02/25/06	WSD	0.5		
Cyclohexane	PPBv	ND	02/25/06	WSD	0.5		
1,2-Dibromoethane	PPBv	ND	02/25/06	WSD	0.5		
1,2-Dichlorobenzene	PPBv	ND	02/25/06	WSD	0.5		
1,3-Dichlorobenzene	PPBv	ND	02/25/06	WSD	0.5		
1,4-Dichlorobenzene	PPBv	ND	02/25/06	WSD	0.5		
Dichlorodifluoromethane	PPBv	ND	02/25/06	WSD	0.5		
1,1-Dichloroethane	PPBv	27.	02/25/06	WSD	0.5		
1,2-Dichloroethane	PPBv	ND	02/25/06	WSD	0.5		
1,1-Dichloroethylene	PPBv	27.	02/25/06	WSD	0.5		
cis-1,2-Dichloroethylene	PPBv	12.	02/25/06	WSD	0.5		
t-1,2-Dichloroethylene	PPBv	ND	02/25/06	WSD	0.5		
1,2-Dichloropropane	PPBv	12.	02/25/06	WSD	0.5		
cis-1,3-Dichloropropene	PPBv	ND	02/25/06	WSD	0.5		
trans-1,3-Dichloropropene	PPBv	ND	02/25/06	WSD	0.5		
1,2-Dichlorotetrafluoroethane (114)	PPBv	1.3	02/25/06	WSD	0.5		
Ethanol	PPBv	ND	02/25/06	WSD	0.5		

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3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Purchase Order No.:

2/28/2006

Page 11 of 25

Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: VW-7B

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

Sample ID: *06B06468

Sampled: 2/17/2006

NOT SPECIFIED

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	PPBv	ND	02/25/06	WSD	0.5		
Ethylbenzene	PPBv	ND	02/25/06	WSD	0.5		
4-Ethyl Toluene	PPBv	ND	02/25/06	WSD	0.5		
n-Heptane	PPBv	ND	02/25/06	WSD	0.5		
Hexachlorobutadiene	PPBv	ND	02/25/06	WSD	0.5		
Hexane	PPBv	ND	02/25/06	WSD	0.5		
2-Hexanone	PPBv	ND	02/25/06	WSD	0.5		
Isopropanol	PPBv	ND	02/25/06	WSD	0.5		
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	02/25/06	WSD	0.5		
Methylene Chloride	PPBv	ND	02/25/06	WSD	0.5		
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	02/25/06	WSD	0.5		
Propene	PPBv	ND	02/25/06	WSD	0.5		
Styrene	PPBv	ND	02/25/06	WSD	0.5		
1,1,2,2-Tetrachloroethane	PPBv	ND	02/25/06	WSD	0.5		
Tetrachloroethylene	PPBv	680.	02/25/06	WSD	0.5		
Tetrahydrofuran	PPBv	ND	02/25/06	WSD	0.5		
Toluene	PPBv	ND	02/25/06	WSD	0.5		
1,2,4-Trichlorobenzene	PPBv	ND	02/25/06	WSD	0.5		
1,1,1-Trichloroethane	PPBv	0.8	02/25/06	WSD	0.5		
1,1,2-Trichloroethane	PPBv	ND	02/25/06	WSD	0.5		
Trichloroethylene	PPBv	3.5	02/25/06	WSD	0.5		
Trichlorofluoromethane (Freon 11)	PPBv	8.9	02/25/06	WSD	0.5		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.8	02/25/06	WSD	0.5		
1,2,4-Trimethylbenzene	PPBv	ND	02/25/06	WSD	0.5		
1,3,5-Trimethylbenzene	PPBv	ND	02/25/06	WSD	0.5		
Vinyl Acetate	PPBv	ND	02/25/06	WSD	0.5		
Vinyl Chloride	PPBv	ND	02/25/06	WSD	0.5		
m/p-Xylene	PPBv	ND	02/25/06	WSD	1.0		
o-Xylene	PPBv	ND	02/25/06	WSD	0.5		

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PHOENIX, AZ 85040

Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: VW-7B

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

2/28/2006

Page 12 of 25

Purchase Order No.:

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

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Purchase Order No.:

2/28/2006

Page 13 of 25

Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: EFF

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

Sample ID : 06B06467

Sampled : 2/17/2006

NOT SPECIFIED

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Acetone	ug/m3	15.	02/24/06	WSD	1.2		
Benzene	ug/m3	ND	02/24/06	WSD	1.6		
Benzyl Chloride	ug/m3	ND	02/24/06	WSD	2.6		
Bromodichloromethane	ug/m3	ND	02/24/06	WSD	3.4		
Bromomethane	ug/m3	ND	02/24/06	WSD	1.9		
1,3-Butadiene	ug/m3	ND	02/24/06	WSD	1.1		
2-Butanone (MEK)	ug/m3	ND	02/24/06	WSD	1.5		
Carbon Disulfide	ug/m3	ND	02/24/06	WSD	1.6		
Carbon Tetrachloride	ug/m3	ND	02/24/06	WSD	3.1		
Chlorobenzene	ug/m3	ND	02/24/06	WSD	2.3		
Chlorodibromomethane	ug/m3	ND	02/24/06	WSD	4.3		
Chloroethane	ug/m3	ND	02/24/06	WSD	1.3		
Chloroform	ug/m3	7.0	02/24/06	WSD	2.4		
Chloromethane	ug/m3	1.1	02/24/06	WSD	1.0		
Cyclohexane	ug/m3	ND	02/24/06	WSD	1.7		
1,2-Dibromoethane	ug/m3	ND	02/24/06	WSD	3.8		
1,2-Dichlorobenzene	ug/m3	ND	02/24/06	WSD	3.0		
1,3-Dichlorobenzene	ug/m3	ND	02/24/06	WSD	3.0		
1,4-Dichlorobenzene	ug/m3	ND	02/24/06	WSD	3.0		
Dichlorodifluoromethane	ug/m3	5.2	02/24/06	WSD	2.5		
1,1-Dichloroethane	ug/m3	15.	02/24/06	WSD	2.0		
1,2-Dichloroethane	ug/m3	ND	02/24/06	WSD	2.0		
1,1-Dichloroethylene	ug/m3	11.	02/24/06	WSD	2.0		
cis-1,2-Dichloroethylene	ug/m3	3.8	02/24/06	WSD	2.0		
t-1,2-Dichloroethylene	ug/m3	ND	02/24/06	WSD	2.0		
1,2-Dichloropropane	ug/m3	ND	02/24/06	WSD	2.3		
cis-1,3-Dichloropropene	ug/m3	ND	02/24/06	WSD	2.3		
trans-1,3-Dichloropropene	ug/m3	ND	02/24/06	WSD	2.3		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	02/24/06	WSD	3.5		
Ethanol	ug/m3	10.	02/24/06	WSD	0.9		

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PHOENIX, AZ 85040

Purchase Order No.:

2/28/2006
Page 14 of 25

Project Location: SOUTH MESA
Date Received: 2/20/2006
Field Sample #: EFF

Project Number: 4972042034
LIMS-BAT #: LIMS-95547
Job Number: 4972042034

Sample ID : 06B06467

Sampled : 2/17/2006
NOT SPECIFIED

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Ethyl Acetate	ug/m3	ND	02/24/06	WSD	1.8			
Ethylbenzene	ug/m3	ND	02/24/06	WSD	2.2			
4-Ethyl Toluene	ug/m3	ND	02/24/06	WSD	2.5			
n-Heptane	ug/m3	ND	02/24/06	WSD	2.0			
Hexachlorobutadiene	ug/m3	ND	02/24/06	WSD	5.3			
Hexane	ug/m3	ND	02/24/06	WSD	1.8			
2-Hexanone	ug/m3	ND	02/24/06	WSD	2.0			
Isopropanol	ug/m3	2.0	02/24/06	WSD	1.2			
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	02/24/06	WSD	1.8			
Methylene Chloride	ug/m3	2.1	02/24/06	WSD	1.7			
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	02/24/06	WSD	2.0			
Propene	ug/m3	ND	02/24/06	WSD	0.9			
Styrene	ug/m3	ND	02/24/06	WSD	2.1			
1,1,2,2-Tetrachloroethane	ug/m3	ND	02/24/06	WSD	3.4			
Tetrachloroethylene	ug/m3	ND	02/24/06	WSD	3.4			
Tetrahydrofuran	ug/m3	ND	02/24/06	WSD	1.5			
Toluene	ug/m3	ND	02/24/06	WSD	1.9			
1,2,4-Trichlorobenzene	ug/m3	ND	02/24/06	WSD	3.7			
1,1,1-Trichloroethane	ug/m3	ND	02/24/06	WSD	2.7			
1,1,2-Trichloroethane	ug/m3	ND	02/24/06	WSD	2.7			
Trichloroethylene	ug/m3	ND	02/24/06	WSD	2.7			
Trichlorofluoromethane	ug/m3	ND	02/24/06	WSD	2.8			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	02/24/06	WSD	3.8			
1,2,4-Trimethylbenzene	ug/m3	ND	02/24/06	WSD	2.5			
1,3,5-Trimethylbenzene	ug/m3	ND	02/24/06	WSD	2.5			
Vinyl Acetate	ug/m3	ND	02/24/06	WSD	1.8			
Vinyl Chloride	ug/m3	ND	02/24/06	WSD	1.3			
m/p-Xylene	ug/m3	ND	02/24/06	WSD	4.3			
o-Xylene	ug/m3	ND	02/24/06	WSD	2.2			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



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JIM CLARKE

MACTEC ENGINEERING & CONSULTING - AZ

3630 EAST WIER AVENUE

PHOENIX, AZ 85040

Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: EFF

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

2/28/2006

Page 15 of 25

Purchase Order No.:

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

RL = Reporting Limit

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* = See end of report for comments and notes applying to this sample

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 PHOENIX, AZ 85040

Purchase Order No.:

2/28/2006

Page 16 of 25

Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: INF

Sample ID: 06B06465

Sampled: 2/17/2006

NOT SPECIFIED

Sample Matrix: AIR

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Acetone	ug/m3	ND	02/24/06	WSD	1.2			
Benzene	ug/m3	1.9	02/24/06	WSD	1.6			
Benzyl Chloride	ug/m3	ND	02/24/06	WSD	2.6			
Bromodichloromethane	ug/m3	ND	02/24/06	WSD	3.4			
Bromomethane	ug/m3	ND	02/24/06	WSD	1.9			
1,3-Butadiene	ug/m3	ND	02/24/06	WSD	1.1			
2-Butanone (MEK)	ug/m3	1.5	02/24/06	WSD	1.5			
Carbon Disulfide	ug/m3	ND	02/24/06	WSD	1.6			
Carbon Tetrachloride	ug/m3	ND	02/24/06	WSD	3.1			
Chlorobenzene	ug/m3	ND	02/24/06	WSD	2.3			
Chlorodibromomethane	ug/m3	ND	02/24/06	WSD	4.3			
Chloroethane	ug/m3	ND	02/24/06	WSD	1.3			
Chloroform	ug/m3	5.5	02/24/06	WSD	2.4			
Chloromethane	ug/m3	ND	02/24/06	WSD	1.0			
Cyclohexane	ug/m3	ND	02/24/06	WSD	1.7			
1,2-Dibromoethane	ug/m3	ND	02/24/06	WSD	3.8			
1,2-Dichlorobenzene	ug/m3	ND	02/24/06	WSD	3.0			
1,3-Dichlorobenzene	ug/m3	ND	02/24/06	WSD	3.0			
1,4-Dichlorobenzene	ug/m3	ND	02/24/06	WSD	3.0			
Dichlorodifluoromethane	ug/m3	ND	02/24/06	WSD	2.5			
1,1-Dichloroethane	ug/m3	13.	02/24/06	WSD	2.0			
1,2-Dichloroethane	ug/m3	ND	02/24/06	WSD	2.0			
1,1-Dichloroethylene	ug/m3	9.4	02/24/06	WSD	2.0			
cis-1,2-Dichloroethylene	ug/m3	4.3	02/24/06	WSD	2.0			
t-1,2-Dichloroethylene	ug/m3	ND	02/24/06	WSD	2.0			
1,2-Dichloropropane	ug/m3	4.3	02/24/06	WSD	2.3			
cis-1,3-Dichloropropene	ug/m3	ND	02/24/06	WSD	2.3			
trans-1,3-Dichloropropene	ug/m3	ND	02/24/06	WSD	2.3			
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	02/24/06	WSD	3.5			
Ethanol	ug/m3	10.	02/24/06	WSD	0.9			

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Purchase Order No.:

2/28/2006

Page 17 of 25

Project Location: SOUTH MESA

Project Number: 4972042034

Date Received: 2/20/2006

LIMS-BAT #: LIMS-95547

Field Sample #: INF

Job Number: 4972042034

Sample ID: 06B06465

Sampled: 2/17/2006

NOT SPECIFIED

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Ethyl Acetate	ug/m3	ND	02/24/06	WSD	1.8		
Ethylbenzene	ug/m3	ND	02/24/06	WSD	2.2		
4-Ethyl Toluene	ug/m3	ND	02/24/06	WSD	2.5		
n-Heptane	ug/m3	ND	02/24/06	WSD	2.0		
Hexachlorobutadiene	ug/m3	ND	02/24/06	WSD	5.3		
Hexane	ug/m3	3.3	02/24/06	WSD	1.8		
2-Hexanone	ug/m3	ND	02/24/06	WSD	2.0		
Isopropanol	ug/m3	ND	02/24/06	WSD	1.2		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	02/24/06	WSD	1.8		
Methylene Chloride	ug/m3	ND	02/24/06	WSD	1.7		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	02/24/06	WSD	2.0		
Propene	ug/m3	ND	02/24/06	WSD	0.9		
Styrene	ug/m3	ND	02/24/06	WSD	2.1		
1,1,2,2-Tetrachloroethane	ug/m3	ND	02/24/06	WSD	3.4		
Tetrachloroethylene	ug/m3	680.	02/24/06	WSD	3.4		
Tetrahydrofuran	ug/m3	ND	02/24/06	WSD	1.5		
Toluene	ug/m3	5.5	02/24/06	WSD	1.9		
1,2,4-Trichlorobenzene	ug/m3	ND	02/24/06	WSD	3.7		
1,1,1-Trichloroethane	ug/m3	ND	02/24/06	WSD	2.7		
1,1,2-Trichloroethane	ug/m3	ND	02/24/06	WSD	2.7		
Trichloroethylene	ug/m3	3.2	02/24/06	WSD	2.7		
Trichlorofluoromethane	ug/m3	5.0	02/24/06	WSD	2.8		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	02/24/06	WSD	3.8		
1,2,4-Trimethylbenzene	ug/m3	ND	02/24/06	WSD	2.5		
1,3,5-Trimethylbenzene	ug/m3	ND	02/24/06	WSD	2.5		
Vinyl Acetate	ug/m3	4.1	02/24/06	WSD	1.8		
Vinyl Chloride	ug/m3	ND	02/24/06	WSD	1.3		
m/p-Xylene	ug/m3	ND	02/24/06	WSD	4.3		
o-Xylene	ug/m3	ND	02/24/06	WSD	2.2		

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Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample # : INF

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

2/28/2006

Page 18 of 25

Purchase Order No.:

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

RL = Reporting Limit

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2/28/2006

Page 19 of 25

Purchase Order No.:

Project Number: 4972042034

Project Location: SOUTH MESA

LIMS-BAT #: LIMS-95547

Date Received: 2/20/2006

Job Number: 4972042034

Field Sample #: INT

Sample ID: 06B06466

Sampled: 2/17/2006

NOT SPECIFIED

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Acetone	ug/m3	18.	02/24/06	WSD	1.2		
Benzene	ug/m3	ND	02/24/06	WSD	1.6		
Benzyl Chloride	ug/m3	ND	02/24/06	WSD	2.6		
Bromodichloromethane	ug/m3	ND	02/24/06	WSD	3.4		
Bromomethane	ug/m3	ND	02/24/06	WSD	1.9		
1,3-Butadiene	ug/m3	ND	02/24/06	WSD	1.1		
2-Butanone (MEK)	ug/m3	1.7	02/24/06	WSD	1.5		
Carbon Disulfide	ug/m3	ND	02/24/06	WSD	1.6		
Carbon Tetrachloride	ug/m3	ND	02/24/06	WSD	3.1		
Chlorobenzene	ug/m3	ND	02/24/06	WSD	2.3		
Chlorodibromomethane	ug/m3	ND	02/24/06	WSD	4.3		
Chloroethane	ug/m3	ND	02/24/06	WSD	1.3		
Chloroform	ug/m3	4.1	02/24/06	WSD	2.4		
Chloromethane	ug/m3	1.3	02/24/06	WSD	1.0		
Cyclohexane	ug/m3	ND	02/24/06	WSD	1.7		
1,2-Dibromoethane	ug/m3	ND	02/24/06	WSD	3.8		
1,2-Dichlorobenzene	ug/m3	ND	02/24/06	WSD	3.0		
1,3-Dichlorobenzene	ug/m3	ND	02/24/06	WSD	3.0		
1,4-Dichlorobenzene	ug/m3	ND	02/24/06	WSD	3.0		
Dichlorodifluoromethane	ug/m3	5.5	02/24/06	WSD	2.5		
1,1-Dichloroethane	ug/m3	10.	02/24/06	WSD	2.0		
1,2-Dichloroethane	ug/m3	ND	02/24/06	WSD	2.0		
1,1-Dichloroethylene	ug/m3	10.	02/24/06	WSD	2.0		
cis-1,2-Dichloroethylene	ug/m3	6.7	02/24/06	WSD	2.0		
t-1,2-Dichloroethylene	ug/m3	ND	02/24/06	WSD	2.0		
1,2-Dichloropropane	ug/m3	5.5	02/24/06	WSD	2.3		
cis-1,3-Dichloropropene	ug/m3	ND	02/24/06	WSD	2.3		
trans-1,3-Dichloropropene	ug/m3	ND	02/24/06	WSD	2.3		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	02/24/06	WSD	3.5		
Ethanol	ug/m3	18.	02/24/06	WSD	0.9		

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Project Location: SOUTH MESA
Date Received: 2/20/2006
Field Sample #: INT

Sample ID: 06B06466

Sample Matrix: AIR

Purchase Order No.:

Sampled: 2/17/2006
NOT SPECIFIED

2/28/2006

Page 20 of 25

Project Number: 4972042034
LIMS-BAT #: LIMS-95547
Job Number: 4972042034

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Ethyl Acetate	ug/m3	ND	02/24/06	WSD	1.8		
Ethylbenzene	ug/m3	ND	02/24/06	WSD	2.2		
4-Ethyl Toluene	ug/m3	ND	02/24/06	WSD	2.5		
n-Heptane	ug/m3	ND	02/24/06	WSD	2.0		
Hexachlorobutadiene	ug/m3	ND	02/24/06	WSD	5.3		
Hexane	ug/m3	ND	02/24/06	WSD	1.8		
2-Hexanone	ug/m3	ND	02/24/06	WSD	2.0		
Isopropanol	ug/m3	60.	02/24/06	WSD	1.2		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	02/24/06	WSD	1.8		
Methylene Chloride	ug/m3	2.3	02/24/06	WSD	1.7		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	02/24/06	WSD	2.0		
Propene	ug/m3	ND	02/24/06	WSD	0.9		
Styrene	ug/m3	ND	02/24/06	WSD	2.1		
1,1,2,2-Tetrachloroethane	ug/m3	ND	02/24/06	WSD	3.4		
Tetrachloroethylene	ug/m3	520.	02/24/06	WSD	3.4		
Tetrahydrofuran	ug/m3	ND	02/24/06	WSD	1.5		
Toluene	ug/m3	ND	02/24/06	WSD	1.9		
1,2,4-Trichlorobenzene	ug/m3	ND	02/24/06	WSD	3.7		
1,1,1-Trichloroethane	ug/m3	ND	02/24/06	WSD	2.7		
1,1,2-Trichloroethane	ug/m3	ND	02/24/06	WSD	2.7		
Trichloroethylene	ug/m3	6.3	02/24/06	WSD	2.7		
Trichlorofluoromethane	ug/m3	2.9	02/24/06	WSD	2.8		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	02/24/06	WSD	3.8		
1,2,4-Trimethylbenzene	ug/m3	ND	02/24/06	WSD	2.5		
1,3,5-Trimethylbenzene	ug/m3	ND	02/24/06	WSD	2.5		
Vinyl Acetate	ug/m3	ND	02/24/06	WSD	1.8		
Vinyl Chloride	ug/m3	ND	02/24/06	WSD	1.3		
m/p-Xylene	ug/m3	ND	02/24/06	WSD	4.3		
o-Xylene	ug/m3	ND	02/24/06	WSD	2.2		

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Purchase Order No.:

2/28/2006

Page 21 of 25

Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: INT

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: VW-7B

Sample ID: *06B06468

Sample Matrix: AIR

Purchase Order No.:

Sampled: 2/17/2006
NOT SPECIFIED

2/28/2006

Page 22 of 25

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Acetone	ug/m3	14.	02/25/06	WSD	1.2		
Benzene	ug/m3	ND	02/25/06	WSD	1.6		
Benzyl Chloride	ug/m3	ND	02/25/06	WSD	2.6		
Bromodichloromethane	ug/m3	13.	02/25/06	WSD	3.4		
Bromomethane	ug/m3	ND	02/25/06	WSD	1.9		
1,3-Butadiene	ug/m3	ND	02/25/06	WSD	1.1		
2-Butanone (MEK)	ug/m3	3.2	02/25/06	WSD	1.5		
Carbon Disulfide	ug/m3	ND	02/25/06	WSD	1.6		
Carbon Tetrachloride	ug/m3	ND	02/25/06	WSD	3.1		
Chlorobenzene	ug/m3	ND	02/25/06	WSD	2.3		
Chlorodibromomethane	ug/m3	ND	02/25/06	WSD	4.3		
Chloroethane	ug/m3	ND	02/25/06	WSD	1.3		
Chloroform	ug/m3	49.	02/25/06	WSD	2.4		
Chloromethane	ug/m3	ND	02/25/06	WSD	1.0		
Cyclohexane	ug/m3	ND	02/25/06	WSD	1.7		
1,2-Dibromoethane	ug/m3	ND	02/25/06	WSD	3.8		
1,2-Dichlorobenzene	ug/m3	ND	02/25/06	WSD	3.0		
1,3-Dichlorobenzene	ug/m3	ND	02/25/06	WSD	3.0		
1,4-Dichlorobenzene	ug/m3	ND	02/25/06	WSD	3.0		
Dichlorodifluoromethane	ug/m3	ND	02/25/06	WSD	2.5		
1,1-Dichloroethane	ug/m3	110.	02/25/06	WSD	2.0		
1,2-Dichloroethane	ug/m3	ND	02/25/06	WSD	2.0		
1,1-Dichloroethylene	ug/m3	110.	02/25/06	WSD	2.0		
cis-1,2-Dichloroethylene	ug/m3	47.	02/25/06	WSD	2.0		
t-1,2-Dichloroethylene	ug/m3	ND	02/25/06	WSD	2.0		
1,2-Dichloropropane	ug/m3	56.	02/25/06	WSD	2.3		
cis-1,3-Dichloropropene	ug/m3	ND	02/25/06	WSD	2.3		
trans-1,3-Dichloropropene	ug/m3	ND	02/25/06	WSD	2.3		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	9.1	02/25/06	WSD	3.5		
Ethanol	ug/m3	ND	02/25/06	WSD	0.9		

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Purchase Order No.:

2/28/2006

Page 23 of 25

Project Location: SOUTH MESA
Date Received: 2/20/2006
Field Sample #: VW-7B

Project Number: 4972042034
LIMS-BAT #: LIMS-95547
Job Number: 4972042034

Sample ID : *06B06468

Sampled : 2/17/2006
NOT SPECIFIED

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Ethyl Acetate	ug/m3	ND	02/25/06	WSD	1.8		
Ethylbenzene	ug/m3	ND	02/25/06	WSD	2.2		
4-Ethyl Toluene	ug/m3	ND	02/25/06	WSD	2.5		
n-Heptane	ug/m3	ND	02/25/06	WSD	2.0		
Hexachlorobutadiene	ug/m3	ND	02/25/06	WSD	5.3		
Hexane	ug/m3	ND	02/25/06	WSD	1.8		
2-Hexanone	ug/m3	ND	02/25/06	WSD	2.0		
Isopropanol	ug/m3	ND	02/25/06	WSD	1.2		
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	02/25/06	WSD	1.8		
Methylene Chloride	ug/m3	ND	02/25/06	WSD	1.7		
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	02/25/06	WSD	2.0		
Propene	ug/m3	ND	02/25/06	WSD	0.9		
Styrene	ug/m3	ND	02/25/06	WSD	2.1		
1,1,2,2-Tetrachloroethane	ug/m3	ND	02/25/06	WSD	3.4		
Tetrachloroethylene	ug/m3	4600	02/25/06	WSD	3.4		
Tetrahydrofuran	ug/m3	ND	02/25/06	WSD	1.5		
Toluene	ug/m3	ND	02/25/06	WSD	1.9		
1,2,4-Trichlorobenzene	ug/m3	ND	02/25/06	WSD	3.7		
1,1,1-Trichloroethane	ug/m3	4.5	02/25/06	WSD	2.7		
1,1,2-Trichloroethane	ug/m3	ND	02/25/06	WSD	2.7		
Trichloroethylene	ug/m3	19.	02/25/06	WSD	2.7		
Trichlorofluoromethane	ug/m3	50.	02/25/06	WSD	2.8		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	6.4	02/25/06	WSD	3.8		
1,2,4-Trimethylbenzene	ug/m3	ND	02/25/06	WSD	2.5		
1,3,5-Trimethylbenzene	ug/m3	ND	02/25/06	WSD	2.5		
Vinyl Acetate	ug/m3	ND	02/25/06	WSD	1.8		
Vinyl Chloride	ug/m3	ND	02/25/06	WSD	1.3		
m/p-Xylene	ug/m3	ND	02/25/06	WSD	4.3		
o-Xylene	ug/m3	ND	02/25/06	WSD	2.2		

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PHOENIX, AZ 85040

Project Location: SOUTH MESA

Date Received: 2/20/2006

Field Sample #: VW-7B

Analytical Method:

EPA TO-15

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

2/28/2006

Page 24 of 25

Purchase Order No.:

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

JIM CLARKE

MACTEC ENGINEERING & CONSULTING - AZ
3630 EAST WIER AVENUE
PHOENIX, AZ 85040

2/28/2006

Page 25 of 25

Purchase Order No.:

Project Number: 4972042034

LIMS-BAT #: LIMS-95547

Job Number: 4972042034

Project Location: SOUTH MESA

Date Received: 2/20/2006

The following notes were attached to the reported analysis :

Sample ID: * 06B06468

Analysis: to-15 ppbv

Sample was not reanalyzed to determine final concentration for Tetrachloroethylene due to lack of sample.

Sample ID: * 06B06468

Analysis: Tetrachloroethylene

REPORTED RESULT IS ESTIMATED. VALUE REPORTED OVER VERIFIED CALIBRATION RANGE.

Sample ID: * 06B06468

Analysis: Tetrachloroethylene

REPORTED RESULT IS ESTIMATED. VALUE REPORTED OVER VERIFIED CALIBRATION RANGE.

** END OF REPORT **

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/28/2006

Lims Bat #: LIMS-95547

Page 3 of 8

QC Batch Number: BATCH-10576

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-49136	Ethyl Acetate	Lab Fort Blank Amt.	36.0	ug/m3	
		Lab Fort Blk. Found	33.1	ug/m3	
		Lab Fort Blk. % Rec.	91.9	%	50-150
	Ethylbenzene	Lab Fort Blank Amt.	43.4	ug/m3	
		Lab Fort Blk. Found	48.5	ug/m3	
		Lab Fort Blk. % Rec.	111.9	%	70-130
	Hexane	Lab Fort Blank Amt.	35.2	ug/m3	
		Lab Fort Blk. Found	30.2	ug/m3	
		Lab Fort Blk. % Rec.	85.6	%	70-130
	Isopropanol	Lab Fort Blank Amt.	24.6	ug/m3	
		Lab Fort Blk. Found	20.5	ug/m3	
		Lab Fort Blk. % Rec.	83.4	%	50-150
	2-Butanone (MEK)	Lab Fort Blank Amt.	29.5	ug/m3	
		Lab Fort Blk. Found	28.0	ug/m3	
		Lab Fort Blk. % Rec.	95.1	%	70-130
	4-Methyl-2-Pentanone (MIBK)	Lab Fort Blank Amt.	41.0	ug/m3	
		Lab Fort Blk. Found	39.1	ug/m3	
		Lab Fort Blk. % Rec.	95.5	%	70-130
	Styrene	Lab Fort Blank Amt.	42.5	ug/m3	
		Lab Fort Blk. Found	47.6	ug/m3	
		Lab Fort Blk. % Rec.	111.9	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	67.8	ug/m3	
		Lab Fort Blk. Found	76.8	ug/m3	
		Lab Fort Blk. % Rec.	113.3	%	70-130
	Toluene	Lab Fort Blank Amt.	37.6	ug/m3	
		Lab Fort Blk. Found	42.3	ug/m3	
		Lab Fort Blk. % Rec.	112.5	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	54.6	ug/m3	
		Lab Fort Blk. Found	55.3	ug/m3	
		Lab Fort Blk. % Rec.	101.4	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	53.7	ug/m3	
		Lab Fort Blk. Found	54.5	ug/m3	
		Lab Fort Blk. % Rec.	101.4	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	76.6	ug/m3	
		Lab Fort Blk. Found	71.7	ug/m3	
		Lab Fort Blk. % Rec.	93.5	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	56.2	ug/m3	
		Lab Fort Blk. Found	54.4	ug/m3	
		Lab Fort Blk. % Rec.	96.9	%	70-130
	o-Xylene	Lab Fort Blank Amt.	43.4	ug/m3	
		Lab Fort Blk. Found	48.5	ug/m3	
		Lab Fort Blk. % Rec.	111.6	%	70-130
	m/p-Xylene	Lab Fort Blank Amt.	86.9	ug/m3	



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QC SUMMARY REPORT

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Method Blanks

Report Date: 2/28/2006

Lims Bat #: LIMS-95547

Page 4 of 8

QC Batch Number: BATCH-10576

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-49136	m/p-Xylene	Lab Fort Blk. Found	95.8	ug/m3	
		Lab Fort Blk. % Rec.	110.3	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	60.1	ug/m3	
		Lab Fort Blk. Found	69.3	ug/m3	
		Lab Fort Blk. % Rec.	115.2	%	70-130
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	60.1	ug/m3	
		Lab Fort Blk. Found	68.2	ug/m3	
		Lab Fort Blk. % Rec.	113.5	%	70-130
	1,1-Dichloroethane	Lab Fort Blank Amt.	40.5	ug/m3	
		Lab Fort Blk. Found	38.2	ug/m3	
		Lab Fort Blk. % Rec.	94.3	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	39.7	ug/m3	
		Lab Fort Blk. Found	36.7	ug/m3	
		Lab Fort Blk. % Rec.	92.6	%	70-130
	Ethanol	Lab Fort Blank Amt.	18.8	ug/m3	
		Lab Fort Blk. Found	16.3	ug/m3	
		Lab Fort Blk. % Rec.	86.7	%	50-150
	4-Ethyl Toluene	Lab Fort Blank Amt.	49.2	ug/m3	
		Lab Fort Blk. Found	55.7	ug/m3	
		Lab Fort Blk. % Rec.	113.3	%	50-150
	Methyl tert-Butyl Ether (MTBE)	Lab Fort Blank Amt.	36.1	ug/m3	
		Lab Fort Blk. Found	39.8	ug/m3	
		Lab Fort Blk. % Rec.	110.5	%	70-130
	t-1,2-Dichloroethylene	Lab Fort Blank Amt.	39.6	ug/m3	
		Lab Fort Blk. Found	39.1	ug/m3	
		Lab Fort Blk. % Rec.	98.6	%	70-130
	Vinyl Chloride	Lab Fort Blank Amt.	25.6	ug/m3	
		Lab Fort Blk. Found	22.5	ug/m3	
		Lab Fort Blk. % Rec.	88.1	%	70-130
	Methylene Chloride	Lab Fort Blank Amt.	34.7	ug/m3	
		Lab Fort Blk. Found	30.0	ug/m3	
		Lab Fort Blk. % Rec.	86.4	%	70-130
	Chlorobenzene	Lab Fort Blank Amt.	46.1	ug/m3	
		Lab Fort Blk. Found	46.7	ug/m3	
		Lab Fort Blk. % Rec.	101.4	%	70-130
	Chloromethane	Lab Fort Blank Amt.	20.7	ug/m3	
		Lab Fort Blk. Found	16.2	ug/m3	
		Lab Fort Blk. % Rec.	78.4	%	70-130
	Bromomethane	Lab Fort Blank Amt.	38.8	ug/m3	
		Lab Fort Blk. Found	35.8	ug/m3	
		Lab Fort Blk. % Rec.	92.2	%	70-130
	Chloroethane	Lab Fort Blank Amt.	26.4	ug/m3	
		Lab Fort Blk. Found	24.0	ug/m3	

QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

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Method Blanks

Report Date: 2/28/2006

Lims Bat #: LIMS-95547

Page 5 of 8

QC Batch Number: BATCH-10576

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-49136					
	Chloroethane	Lab Fort Blk. % Rec.	91.1	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	45.4	ug/m3	
		Lab Fort Blk. Found	45.7	ug/m3	
		Lab Fort Blk. % Rec.	100.6	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	45.4	ug/m3	
		Lab Fort Blk. Found	47.5	ug/m3	
		Lab Fort Blk. % Rec.	104.7	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	85.2	ug/m3	
		Lab Fort Blk. Found	98.6	ug/m3	
		Lab Fort Blk. % Rec.	115.7	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	54.6	ug/m3	
		Lab Fort Blk. Found	58.3	ug/m3	
		Lab Fort Blk. % Rec.	106.8	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	68.7	ug/m3	
		Lab Fort Blk. Found	74.2	ug/m3	
		Lab Fort Blk. % Rec.	108.0	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	106.7	ug/m3	
		Lab Fort Blk. Found	143.6	ug/m3	
		Lab Fort Blk. % Rec.	134.6	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	74.2	ug/m3	
		Lab Fort Blk. Found	100.9	ug/m3	
		Lab Fort Blk. % Rec.	136.0	%	70-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	49.2	ug/m3	
		Lab Fort Blk. Found	55.0	ug/m3	
		Lab Fort Blk. % Rec.	111.8	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	49.2	ug/m3	
		Lab Fort Blk. Found	54.1	ug/m3	
		Lab Fort Blk. % Rec.	110.0	%	70-130
	Cyclohexane	Lab Fort Blank Amt.	34.4	ug/m3	
		Lab Fort Blk. Found	27.2	ug/m3	
		Lab Fort Blk. % Rec.	79.0	%	50-150
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	39.7	ug/m3	
		Lab Fort Blk. Found	42.1	ug/m3	
		Lab Fort Blk. % Rec.	106.2	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	46.2	ug/m3	
		Lab Fort Blk. Found	41.6	ug/m3	
		Lab Fort Blk. % Rec.	90.0	%	70-130
	Dichlorodifluoromethane	Lab Fort Blank Amt.	49.5	ug/m3	
		Lab Fort Blk. Found	47.9	ug/m3	
		Lab Fort Blk. % Rec.	96.8	%	70-130
	Benzyl Chloride	Lab Fort Blank Amt.	51.8	ug/m3	
		Lab Fort Blk. Found	60.0	ug/m3	
		Lab Fort Blk. % Rec.	115.9	%	70-130

QC SUMMARY REPORT

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Method Blanks

Report Date: 2/28/2006

Lims Bat #: LIMS-95547

Page 6 of 8

QC Batch Number: BATCH-10576

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-49136	Carbon Disulfide	Lab Fort Blank Amt.	31.1	ug/m3	
		Lab Fort Blk. Found	34.2	ug/m3	
		Lab Fort Blk. % Rec.	109.8	%	70-130
	Vinyl Acetate	Lab Fort Blank Amt.	35.2	ug/m3	
		Lab Fort Blk. Found	35.4	ug/m3	
		Lab Fort Blk. % Rec.	100.5	%	70-130
	2-Hexanone	Lab Fort Blank Amt.	41.0	ug/m3	
		Lab Fort Blk. Found	39.6	ug/m3	
		Lab Fort Blk. % Rec.	96.6	%	50-150
	Bromodichloromethane	Lab Fort Blank Amt.	67.0	ug/m3	
		Lab Fort Blk. Found	68.0	ug/m3	
		Lab Fort Blk. % Rec.	101.5	%	70-130
	1,2-Dibromoethane	Lab Fort Blank Amt.	76.9	ug/m3	
		Lab Fort Blk. Found	86.0	ug/m3	
		Lab Fort Blk. % Rec.	111.9	%	70-130
	n-Heptane	Lab Fort Blank Amt.	41.0	ug/m3	
		Lab Fort Blk. Found	40.7	ug/m3	
		Lab Fort Blk. % Rec.	99.2	%	50-150
	1,2-Dichlorotetrafluoroethane (114)	Lab Fort Blank Amt.	69.9	ug/m3	
		Lab Fort Blk. Found	65.1	ug/m3	
		Lab Fort Blk. % Rec.	93.1	%	70-130
	Tetrahydrofuran	Lab Fort Blank Amt.	29.5	ug/m3	
		Lab Fort Blk. Found	27.1	ug/m3	
		Lab Fort Blk. % Rec.	91.9	%	50-150
	Propene	Lab Fort Blank Amt.	17.2	ug/m3	
		Lab Fort Blk. Found	14.1	ug/m3	
		Lab Fort Blk. % Rec.	81.7	%	50-150
	1,3-Butadiene	Lab Fort Blank Amt.	22.1	ug/m3	
		Lab Fort Blk. Found	19.0	ug/m3	
		Lab Fort Blk. % Rec.	85.7	%	70-130



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

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BATCH QC: Lab fortified Blanks and Duplicates

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Method Blanks

Report Date: 2/28/2006

Lims Bat #: LIMS-95547

Page 7 of 8

NOTES:

QC Batch No. : BATCH-10576

Sample ID : LFBLANK-49136

Analysis : 1,2,4-Trichlorobenzene

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.

QC Batch No. : BATCH-10576

Sample ID : LFBLANK-49136

Analysis : Hexachlorobutadiene

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

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Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/28/2006

Lims Bat #: LIMS-95547

Page 8 of 8

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken through all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries



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CHAIN OF CUSTODY RECORD

LIMS-95547

39 SPRUCE ST
EAST LONGMEADOW, MA 01028

Page 1 of 1

Company Name: MACTEC, INC

Address: 3630 E WICK AVE

PHX, AZ 85040

Attention: JIM CLARKE

Project Location: SANTA MESA

Sampled By: MARK HAMMER

Proposal Provided? (For Billing purposes)

☐ yes ☐ no

State Form Required?

☐ yes ☐ no

Telephone: (602) 437-0250

Project # 4972-04-2034

Client PO #

DATA DELIVERY (check one):

☐ FAX ☐ EMAIL ☐ WEBSITE CLIENT

Fax #:

Email:

Format: ☒ EXCEL ☒ PDF ☐ GIS KEY

☐ OTHER

Date Sampled

Start Date/Time Stop Date/Time Comp-
osite Grab *Matrix Code

Field ID Sample Description OLB Lab #

INF -> 06465 CT1138

INT -> 06466 CT1156

EFF -> 06467 CT1158

VAL-78 -> 06467 CT11365

Laboratory Comments:

Relinquished by: (signature)

Mark Hammer

Received by: (signature)

Jim Clarke

Relinquished by: (signature)

Mark Hammer

Turnaround **

☒ 7-Day ☐ 10-Day ☐ Other

☐ 24-Hr ☐ 48-Hr ☐ 72-Hr ☐ 4-Day

☐ RUSH *

* Require lab approval

Detection Limit Requirements

Regulations?

Data Enhancement Project/RCP? ☐ Y ☐ N

Special Requirements or DL's:

Regulations?

*Matrix Code:

**Preservation Codes:

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

I = Iced

H = HCL

M = Methanol

N = Nitric Acid

S = Sulfuric Acid

B = Sodium bisulfate

O = Other

X = Na hydroxide

T = Na thiosulfate

ANALYSIS REQUESTED

of containers

**Preservation

Cont Code

Cont Code

Asamber glass

Glass

Plastic

ST-sterile

Valia

Seal/ma can

T-edar bag

O-Other

Client

Comments:



Environmental Science Corp.

Laboratory Services

VOLATILES ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: MACTEC - Phoenix, AZ

SAMPLE ID.

L236694-04

Matrix: AIR

ESC Sample NO: L236694-04

Date Collected: 03/07/2006

Lab File ID: 0310 13

Date Analyzed: 03/10/2006

Dilution Factor: 1

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TIC's are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard. from the total ion chromatogram. TIC's are identified and quantitated only if the peak area is 10 % or more of that of the nearest internal standard.

Number Of TICs Found: 4

CONCENTRATION UNITS:

ppbv

CAS NO.	COMPOUND	RT	EST. CONC.	QF	QA
000078-78-4	Butane, 2-methyl-	5.476	15.163	J	90
000079-29-8	Butane, 2,3-dimethyl-	7.368	13.862	J	86
000075-34-3	Ethane, 1,1-dichloro-	8.603	51.319	J	91
000078-87-5	Propane, 1,2-dichloro-	12.107	15.141	J	95



Environmental Science Corp.

Laboratory Services

VOLATILES ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: MACTEC - Phoenix, AZ

SAMPLE ID.

L236694-01

Matrix: AIR

ESC Sample NO: L236694-01

Date Collected: 03/07/2006

Lab File ID: 0310 10

Date Analyzed: 03/10/2006

Dilution Factor: 1

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TIC's are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard. from the total ion chromatogram. TIC's are identified and quantitated only if the peak area is 10 % or more of that of the nearest internal standard.

Number Of TICs Found: 2

CONCENTRATION UNITS:

ppbv

CAS NO.	COMPOUND	RT	EST. CONC.	QF	QA
000078-78-4	Butane, 2-methyl-	5.475	13.947	J	90
000075-34-3	Ethane, 1,1-dichloro-	8.602	10.195	J	91



Environmental Science Corp.

Laboratory Services

VOLATILES ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: MACTEC - Phoenix, AZ

SAMPLE ID.

L236694-02

Matrix: AIR

ESC Sample NO: L236694-02

Date Collected: 03/07/2006

Lab File ID: 0310 11

Date Analyzed: 03/10/2006

Dilution Factor: 1

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TIC's are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard. from the total ion chromatogram. TIC's are identified and quantitated only if the peak area is 10 % or more of that of the nearest internal standard.

Number Of TICs Found: 6

CONCENTRATION UNITS:

ppbv

CAS NO.	COMPOUND	RT	EST. CONC.	QF	QA
000078-78-4	Butane, 2-methyl-	5.476	9.274	J	86
000109-66-0	Pentane	5.926	8.131	J	86
000590-35-2	Pentane, 2,2-dimethyl-	9.254	11.256	J	78
000540-84-1	Pentane, 2,2,4-trimethyl-	10.69	44.195	J	83
000560-21-4	Pentane, 2,3,3-trimethyl-	12.703	5.74	J	90
000124-13-0	Octanal	19.894	4.322	J	91



Environmental Science Corp.

Laboratory Services

VOLATILES ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: MACTEC - Phoenix, AZ

SAMPLE ID.

L236694-03

Matrix: AIR

ESC Sample NO: L236694-03

Date Collected: 03/07/2006

Lab File ID: 0310 12

Date Analyzed: 03/10/2006

Dilution Factor: 1

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TIC's are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard. from the total ion chromatogram. TIC's are identified and quantitated only if the peak area is 10 % or more of that of the nearest internal standard.

Number Of TICs Found: 1

CONCENTRATION UNITS:

ppbv

CAS NO.	COMPOUND	RT	EST. CONC.	QF	QA
000124-13-0	Octanal	19.896	4.473	J	90



ENVIRONMENTAL
SCIENCE CORP.

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Mt. Juliet, TN 37122
(615) 758-5858
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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Jim Clarke
MACTEC - Phoenix, AZ
3630 East Wier Ave.
Phoenix, AZ 85040

March 22, 2006

Date Received : March 09, 2006
Description : South Mesa Vapor Sampling

ESC Sample # : L236694-01

Sample ID : EFF

Site ID : SOUTH MESA, AZ

Collected By : Mark Hammck
Collection Date : 03/07/06 16:10

Project # : 4972-04-2034

Parameter	Mol Wght	Result (ppbv)	ug/m3	Method	Date
Volatile Organics					
Propene	42.1	< 2.0	< 3.4	TO-15	03/10/06
Freon-12	121	0.820	4.1	TO-15	03/10/06
Freon-114	171	< 0.63	< 4.4	TO-15	03/10/06
Chloromethane	50.5	0.340	0.70	TO-15	03/10/06
Vinyl chloride	62.5	< 0.20	< 0.51	TO-15	03/10/06
1,3-Butadiene	54.1	< 2.0	< 4.4	TO-15	03/10/06
Bromomethane	94.9	< 0.20	< 0.78	TO-15	03/10/06
Chloroethane	64.5	< 0.20	< 0.53	TO-15	03/10/06
Freon-11	137	0.740	4.1	TO-15	03/10/06
Ethanol	46.1	9.00	17.	TO-15	03/10/06
Freon-113	187	< 0.63	< 4.8	TO-15	03/10/06
1,1-Dichloroethene	96.9	2.80	11.	TO-15	03/10/06
Acetone	58.1	3.00	7.1	TO-15	03/10/06
2-Propanol	60.1	< 1.3	< 3.1	TO-15	03/10/06
Carbon disulfide	76.1	< 0.31	< 0.96	TO-15	03/10/06
Methylene Chloride	84.9	27.0	94.	TO-15	03/10/06
MTBE	88.1	< 0.31	< 1.1	TO-15	03/10/06
trans-1,2-Dichloroethene	96.9	< 0.20	< 0.79	TO-15	03/10/06
n-Hexane	86.2	< 0.31	< 1.1	TO-15	03/10/06
Vinyl acetate	86.1	< 0.20	< 0.70	TO-15	03/10/06
Methyl Ethyl Ketone	72.1	< 1.3	< 3.7	TO-15	03/10/06
cis-1,2-Dichloroethene	96.9	1.40	5.5	TO-15	03/10/06
Chloroform	119	1.60	7.8	TO-15	03/10/06
Cyclohexane	84.2	< 0.31	< 1.1	TO-15	03/10/06
1,1,1-Trichloroethane	133	< 0.20	< 1.1	TO-15	03/10/06
Carbon tetrachloride	154	< 0.20	< 1.3	TO-15	03/10/06
Benzene	78.1	< 0.20	< 0.64	TO-15	03/10/06
1,2-Dichloroethane	99	< 0.20	< 0.81	TO-15	03/10/06
Heptane	100	< 0.31	< 1.3	TO-15	03/10/06
Trichloroethylene	131	0.500	2.7	TO-15	03/10/06
1,2-Dichloropropane	113	< 0.20	< 0.92	TO-15	03/10/06
1,4-Dioxane	88.1	< 1.3	< 4.5	TO-15	03/10/06
Bromodichloromethane	164	< 0.20	< 1.3	TO-15	03/10/06
cis-1,3-Dichloropropene	111	< 0.20	< 0.91	TO-15	03/10/06
Methyl Isobutyl Ketone	100.1	< 1.3	< 5.1	TO-15	03/10/06
Toluene	92.1	< 0.20	< 0.75	TO-15	03/10/06
trans-1,3-Dichloropropene	111	< 0.20	< 0.91	TO-15	03/10/06
1,1,2-Trichloroethane	133	< 0.20	< 1.1	TO-15	03/10/06

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, NJ - 81002, WI - 998093910

Note:

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

March 22, 2006

Jim Clarke
MACTEC - Phoenix, AZ
3630 East Wier Ave.
Phoenix, AZ 85040

Date Received : March 09, 2006
Description : South Mesa Vapor Sampling

Sample ID : EFF

Collected By : Mark Hammck
Collection Date : 03/07/06 16:10

ESC Sample # : L236694-01

Site ID : SOUTH MESA, AZ

Project # : 4972-04-2034

Parameter	Mol Wght	Result (ppbv)	ug/m3	Method	Date
Tetrachloroethylene	166	< 0.20	< 1.4	TO-15	03/10/06
Methyl Butyl Ketone	100	< 1.3	< 5.1	TO-15	03/10/06
Dibromochloromethane	208	< 0.20	< 1.7	TO-15	03/10/06
1,2-Dibromoethane	188	< 0.20	< 1.5	TO-15	03/10/06
Chlorobenzene	113	< 0.20	< 0.92	TO-15	03/10/06
Ethylbenzene	106	< 0.20	< 0.87	TO-15	03/10/06
m&p-Xylene	106	0.480	2.1	TO-15	03/10/06
o-Xylene	106	< 0.20	< 0.87	TO-15	03/10/06
Styrene	104	< 0.20	< 0.85	TO-15	03/10/06
Bromoform	253	< 0.60	< 6.2	TO-15	03/10/06
1,1,2,2-Tetrachloroethane	168	< 0.20	< 1.4	TO-15	03/10/06
4-Ethyltoluene	120	< 0.20	< 0.98	TO-15	03/10/06
1,3,5-Trimethylbenzene	120	< 0.20	< 0.98	TO-15	03/10/06
1,2,4-Trimethylbenzene	120	< 0.20	< 0.98	TO-15	03/10/06
1,3-Dichlorobenzene	147	< 0.20	< 1.2	TO-15	03/10/06
1,4-Dichlorobenzene	147	< 0.20	< 1.2	TO-15	03/10/06
Benzyl Chloride	127	< 0.20	< 1.0	TO-15	03/10/06
1,2-Dichlorobenzene	147	< 0.20	< 1.2	TO-15	03/10/06
1,2,4-Trichlorobenzene	181	< 0.63	< 4.7	TO-15	03/10/06
Hexachloro-1,3-butadiene	261	< 0.63	< 6.7	TO-15	03/10/06
Naphthalene	128	< 0.63	< 3.3	TO-15	03/10/06

Travis Johnson
Travis Johnson, ESC Representative

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

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AZ - 0612, MN - 047-999-395, NY - 11742, NJ - 81002, WI - 998093910

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REPORT OF ANALYSIS

Jim Clarke
MACTEC - Phoenix, AZ
3630 East Wier Ave.
Phoenix, AZ 85040

March 22, 2006

Date Received : March 09, 2006
Description : South Mesa Vapor Sampling
Sample ID : INT
Collected By : Mark Hammck
Collection Date : 03/07/06 16:15

ESC Sample # : L236694-02
Site ID : SOUTH MESA, AZ
Project # : 4972-04-2034

Parameter	Mol Wght	Result(ppbv)	ug/m3	Method	Date
Volatile Organics					
Acetone	58.1	3.40	8.1	TO-15	03/10/06
Benzene	78.1	< 0.20	< 0.64	TO-15	03/10/06
Benzyl Chloride	127	< 0.20	< 1.0	TO-15	03/10/06
Bromodichloromethane	164	0.330	2.2	TO-15	03/10/06
Bromoform	253	< 0.60	< 6.2	TO-15	03/10/06
Bromomethane	94.9	< 0.20	< 0.78	TO-15	03/10/06
1,3-Butadiene	54.1	< 2.0	< 4.4	TO-15	03/10/06
Carbon disulfide	76.1	< 0.31	< 0.96	TO-15	03/10/06
Carbon tetrachloride	154	< 0.20	< 1.3	TO-15	03/10/06
Chlorobenzene	113	< 0.20	< 0.92	TO-15	03/10/06
Chloroethane	64.5	< 0.20	< 0.53	TO-15	03/10/06
Chloroform	119	0.810	3.9	TO-15	03/10/06
Chloromethane	50.5	0.320	0.66	TO-15	03/10/06
Cyclohexane	84.2	0.460	1.6	TO-15	03/10/06
Dibromochloromethane	208	< 0.20	< 1.7	TO-15	03/10/06
1,2-Dibromoethane	188	< 0.20	< 1.5	TO-15	03/10/06
1,2-Dichlorobenzene	147	< 0.20	< 1.2	TO-15	03/10/06
1,3-Dichlorobenzene	147	< 0.20	< 1.2	TO-15	03/10/06
1,4-Dichlorobenzene	147	< 0.20	< 1.2	TO-15	03/10/06
1,2-Dichloroethane	99	< 0.20	< 0.81	TO-15	03/10/06
1,1-Dichloroethene	96.9	1.90	7.5	TO-15	03/10/06
cis-1,2-Dichloroethene	96.9	1.40	5.5	TO-15	03/10/06
trans-1,2-Dichloroethene	96.9	< 0.20	< 0.79	TO-15	03/10/06
1,2-Dichloropropane	113	1.30	6.0	TO-15	03/10/06
cis-1,3-Dichloropropene	111	< 0.20	< 0.91	TO-15	03/10/06
trans-1,3-Dichloropropene	111	< 0.20	< 0.91	TO-15	03/10/06
1,4-Dioxane	88.1	2.30	8.3	TO-15	03/10/06
Ethanol	46.1	8.40	16.	TO-15	03/10/06
Ethylbenzene	106	< 0.20	< 0.87	TO-15	03/10/06
4-Ethyltoluene	120	< 0.20	< 0.98	TO-15	03/10/06
Freon-11	137	0.670	3.8	TO-15	03/10/06
Freon-12	121	0.680	3.4	TO-15	03/10/06
Freon-113	187	< 0.63	< 4.8	TO-15	03/10/06
Freon-114	171	< 0.63	< 4.4	TO-15	03/10/06
Heptane	100	< 0.31	< 1.3	TO-15	03/10/06
Hexachloro-1,3-butadiene	261	< 0.63	< 6.7	TO-15	03/10/06
n-Hexane	86.2	< 0.31	< 1.1	TO-15	03/10/06
Methylene Chloride	84.9	16.0	56.	TO-15	03/10/06

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

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Date Received : March 09, 2006
Description : South Mesa Vapor Sampling

Sample ID : INT

Collected By : Mark Hammck
Collection Date : 03/07/06 16:15

ESC Sample # : L236694-02

Site ID : SOUTH MESA, AZ

Project # : 4972-04-2034

Parameter	Mol Wght	Result (ppbv)	ug/m3	Method	Date
Methyl Butyl Ketone	100	< 1.3	< 5.1	TO-15	03/10/06
Methyl Ethyl Ketone	72.1	< 1.3	< 3.7	TO-15	03/10/06
Methyl Isobutyl Ketone	100.1	< 1.3	< 5.1	TO-15	03/10/06
MTBE	88.1	< 0.31	< 1.1	TO-15	03/10/06
Naphthalene	128	< 0.63	< 3.3	TO-15	03/10/06
2-Propanol	60.1	1.40	3.4	TO-15	03/10/06
Propene	42.1	< 2.0	< 3.4	TO-15	03/10/06
Styrene	104	< 0.20	< 0.85	TO-15	03/10/06
1,1,2,2-Tetrachloroethane	168	< 0.20	< 1.4	TO-15	03/10/06
Tetrachloroethylene	166	69.0	470	TO-15	03/10/06
Toluene	92.1	< 0.20	< 0.75	TO-15	03/10/06
1,2,4-Trichlorobenzene	181	< 0.63	< 4.7	TO-15	03/10/06
1,1,1-Trichloroethane	133	< 0.20	< 1.1	TO-15	03/10/06
1,1,2-Trichloroethane	133	< 0.20	< 1.1	TO-15	03/10/06
Trichloroethylene	131	1.40	7.5	TO-15	03/10/06
1,2,4-Trimethylbenzene	120	< 0.20	< 0.98	TO-15	03/10/06
1,3,5-Trimethylbenzene	120	< 0.20	< 0.98	TO-15	03/10/06
Vinyl chloride	62.5	< 0.20	< 0.51	TO-15	03/10/06
Vinyl acetate	86.1	< 0.20	< 0.70	TO-15	03/10/06
m&p-Xylene	106	< 0.40	< 1.7	TO-15	03/10/06
o-Xylene	106	< 0.20	< 0.87	TO-15	03/10/06

Travis Johnson

Travis Johnson, ESC Representative

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

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REPORT OF ANALYSIS

Jim Clarke
MACTEC - Phoenix, AZ
3630 East Wier Ave.
Phoenix, AZ 85040

March 22, 2006

Date Received : March 09, 2006
Description : South Mesa Vapor Sampling

ESC Sample # : L236694-03

Sample ID : INF

Site ID : SOUTH MESA, AZ

Collected By : Mark Hammck
Collection Date : 03/07/06 16:20

Project # : 4972-04-2034

Parameter	Mol Wght	Result (ppbv)	ug/m3	Method	Date
Volatile Organics					
Acetone	58.1	6.80	16.	TO-15	03/10/06
Benzene	78.1	0.260	0.83	TO-15	03/10/06
Benzyl Chloride	127	< 0.20	< 1.0	TO-15	03/10/06
Bromodichloromethane	164	< 0.20	< 1.3	TO-15	03/10/06
Bromoform	253	< 0.60	< 6.2	TO-15	03/10/06
Bromomethane	94.9	< 0.20	< 0.78	TO-15	03/10/06
1,3-Butadiene	54.1	< 2.0	< 4.4	TO-15	03/10/06
Carbon disulfide	76.1	< 0.31	< 0.96	TO-15	03/10/06
Carbon tetrachloride	154	< 0.20	< 1.3	TO-15	03/10/06
Chlorobenzene	113	< 0.20	< 0.92	TO-15	03/10/06
Chloroethane	64.5	< 0.20	< 0.53	TO-15	03/10/06
Chloroform	119	0.830	4.0	TO-15	03/10/06
Chloromethane	50.5	0.300	0.62	TO-15	03/10/06
Cyclohexane	84.2	1.20	4.1	TO-15	03/10/06
Dibromochloromethane	208	< 0.20	< 1.7	TO-15	03/10/06
1,2-Dibromoethane	188	< 0.20	< 1.5	TO-15	03/10/06
1,2-Dichlorobenzene	147	< 0.20	< 1.2	TO-15	03/10/06
1,3-Dichlorobenzene	147	< 0.20	< 1.2	TO-15	03/10/06
1,4-Dichlorobenzene	147	< 0.20	< 1.2	TO-15	03/10/06
1,2-Dichloroethane	99	< 0.20	< 0.81	TO-15	03/10/06
1,1-Dichloroethene	96.9	1.90	7.5	TO-15	03/10/06
cis-1,2-Dichloroethene	96.9	0.740	2.9	TO-15	03/10/06
trans-1,2-Dichloroethene	96.9	< 0.20	< 0.79	TO-15	03/10/06
1,2-Dichloropropane	113	2.20	10.	TO-15	03/10/06
cis-1,3-Dichloropropene	111	< 0.20	< 0.91	TO-15	03/10/06
trans-1,3-Dichloropropene	111	< 0.20	< 0.91	TO-15	03/10/06
1,4-Dioxane	88.1	< 1.3	< 4.5	TO-15	03/10/06
Ethanol	46.1	6.60	12.	TO-15	03/10/06
Ethylbenzene	106	< 0.20	< 0.87	TO-15	03/10/06
4-Ethyltoluene	120	< 0.20	< 0.98	TO-15	03/10/06
Freon-11	137	0.680	3.8	TO-15	03/10/06
Freon-12	121	0.680	3.4	TO-15	03/10/06
Freon-113	187	< 0.63	< 4.8	TO-15	03/10/06
Freon-114	171	< 0.63	< 4.4	TO-15	03/10/06
Heptane	100	< 0.31	< 1.3	TO-15	03/10/06
Hexachloro-1,3-butadiene	261	< 0.63	< 6.7	TO-15	03/10/06
n-Hexane	86.2	0.320	1.1	TO-15	03/10/06
Methylene Chloride	84.9	16.0	56.	TO-15	03/10/06

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

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Jim Clarke
MACTEC - Phoenix, AZ
3630 East Wier Ave.
Phoenix, AZ 85040

March 22, 2006

Date Received : March 09, 2006
Description : South Mesa Vapor Sampling
Sample ID : INF
Collected By : Mark Hammck
Collection Date : 03/07/06 16:20

ESC Sample # : L236694-03

Site ID : SOUTH MESA, AZ

Project # : 4972-04-2034

Parameter	Mol Wght	Result(ppbv)	ug/m3	Method	Date
Methyl Butyl Ketone	100	< 1.3	< 5.1	TO-15	03/10/06
Methyl Ethyl Ketone	72.1	< 1.3	< 3.7	TO-15	03/10/06
Methyl Isobutyl Ketone	100.1	< 1.3	< 5.1	TO-15	03/10/06
MTBE	88.1	< 0.31	< 1.1	TO-15	03/10/06
Naphthalene	128	< 0.63	< 3.3	TO-15	03/10/06
2-Propanol	60.1	1.40	3.4	TO-15	03/10/06
Propene	42.1	< 2.0	< 3.4	TO-15	03/10/06
Styrene	104	< 0.20	< 0.85	TO-15	03/10/06
1,1,2,2-Tetrachloroethane	168	< 0.20	< 1.4	TO-15	03/10/06
Tetrachloroethylene	166	63.0	430	TO-15	03/10/06
Toluene	92.1	0.85	3.2	TO-15	03/10/06
1,2,4-Trichlorobenzene	181	< 0.63	< 4.7	TO-15	03/10/06
1,1,1-Trichloroethane	133	< 0.20	< 1.1	TO-15	03/10/06
1,1,2-Trichloroethane	133	< 0.20	< 1.1	TO-15	03/10/06
Trichloroethylene	131	0.840	4.5	TO-15	03/10/06
1,2,4-Trimethylbenzene	120	< 0.20	< 0.98	TO-15	03/10/06
1,3,5-Trimethylbenzene	120	< 0.20	< 0.98	TO-15	03/10/06
Vinyl chloride	62.5	< 0.20	< 0.51	TO-15	03/10/06
Vinyl acetate	86.1	< 0.20	< 0.70	TO-15	03/10/06
m&p-Xylene	106	0.530	2.3	TO-15	03/10/06
o-Xylene	106	< 0.20	< 0.87	TO-15	03/10/06

Travis Johnson, ESC Representative

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

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REPORT OF ANALYSIS

Jim Clarke
MACTEC - Phoenix, AZ
3630 East Wier Ave.
Phoenix, AZ 85040

March 22, 2006

Date Received : March 09, 2006
Description : South Mesa Vapor Sampling

Sample ID : VW-7B

Collected By : Mark Hammck
Collection Date : 03/07/06 16:40

ESC Sample # : L236694-04

Site ID : SOUTH MESA, AZ

Project # : 4972-04-2034

Parameter	Mol Wght	Result (ppbv)	ug/m3	Method	Date
Volatile Organics					
Acetone	58.1	4.50	11.	TO-15	03/10/06
Benzene	78.1	< 0.20	< 0.64	TO-15	03/10/06
Benzyl Chloride	127	< 0.20	< 1.0	TO-15	03/10/06
Bromodichloromethane	164	1.00	6.7	TO-15	03/10/06
Bromoform	253	< 0.60	< 6.2	TO-15	03/10/06
Bromomethane	94.9	< 0.20	< 0.78	TO-15	03/10/06
1,3-Butadiene	54.1	< 2.0	< 4.4	TO-15	03/10/06
Carbon disulfide	76.1	< 0.31	< 0.96	TO-15	03/10/06
Carbon tetrachloride	154	< 0.20	< 1.3	TO-15	03/10/06
Chlorobenzene	113	< 0.20	< 0.92	TO-15	03/10/06
Chloroethane	64.5	< 0.20	< 0.53	TO-15	03/10/06
Chloroform	119	6.10	30.	TO-15	03/10/06
Chloromethane	50.5	< 0.20	< 0.41	TO-15	03/10/06
Cyclohexane	84.2	2.30	7.9	TO-15	03/10/06
Dibromochloromethane	208	< 0.20	< 1.7	TO-15	03/10/06
1,2-Dibromoethane	188	< 0.20	< 1.5	TO-15	03/10/06
1,2-Dichlorobenzene	147	< 0.20	< 1.2	TO-15	03/10/06
1,3-Dichlorobenzene	147	< 0.20	< 1.2	TO-15	03/10/06
1,4-Dichlorobenzene	147	< 0.20	< 1.2	TO-15	03/10/06
1,2-Dichloroethane	99	< 0.20	< 0.81	TO-15	03/10/06
1,1-Dichloroethene	96.9	16.0	63.	TO-15	03/10/06
cis-1,2-Dichloroethene	96.9	5.20	21.	TO-15	03/10/06
trans-1,2-Dichloroethene	96.9	< 0.20	< 0.79	TO-15	03/10/06
1,2-Dichloropropane	113	8.50	39.	TO-15	03/10/06
cis-1,3-Dichloropropene	111	< 0.20	< 0.91	TO-15	03/10/06
trans-1,3-Dichloropropene	111	< 0.20	< 0.91	TO-15	03/10/06
1,4-Dioxane	88.1	< 1.3	< 4.5	TO-15	03/10/06
Ethanol	46.1	< 0.63	< 1.2	TO-15	03/10/06
Ethylbenzene	106	< 0.20	< 0.87	TO-15	03/10/06
4-Ethyltoluene	120	< 0.20	< 0.98	TO-15	03/10/06
Freon-11	137	4.20	24.	TO-15	03/10/06
Freon-12	121	2.50	12.	TO-15	03/10/06
Freon-113	187	< 0.63	< 4.8	TO-15	03/10/06
Freon-114	171	0.780	5.5	TO-15	03/10/06
Heptane	100	< 0.31	< 1.3	TO-15	03/10/06
Hexachloro-1,3-butadiene	261	< 0.63	< 6.7	TO-15	03/10/06
n-Hexane	86.2	< 0.31	< 1.1	TO-15	03/10/06
Methylene Chloride	84.9	0.780	2.7	TO-15	03/10/06

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, NJ - 81002, WI - 998093910

Note:

The reported analytical results relate only to the sample submitted.
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Reported: 03/22/06 07:34 Printed: 03/22/06 08:50



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Est. 1970

REPORT OF ANALYSIS

Jim Clarke
MACTEC - Phoenix, AZ
3630 East Wier Ave.
Phoenix, AZ 85040

March 22, 2006

Date Received : March 09, 2006
Description : South Mesa Vapor Sampling
Sample ID : VW-7B
Collected By : Mark Hammck
Collection Date : 03/07/06 16:40

ESC Sample # : L236694-04

Site ID : SOUTH MESA, AZ

Project # : 4972-04-2034

Parameter	Mol Wght	Result (ppbv)	ug/m3	Method	Date
Methyl Butyl Ketone	100	< 1.3	< 5.1	TO-15	03/10/06
Methyl Ethyl Ketone	72.1	< 1.3	< 3.7	TO-15	03/10/06
Methyl Isobutyl Ketone	100.1	< 1.3	< 5.1	TO-15	03/10/06
MTBE	88.1	0.520	1.9	TO-15	03/10/06
Naphthalene	128	< 0.63	< 3.3	TO-15	03/10/06
2-Propanol	60.1	< 1.3	< 3.1	TO-15	03/10/06
Propene	42.1	< 2.0	< 3.4	TO-15	03/10/06
Styrene	104	< 0.20	< 0.85	TO-15	03/10/06
1,1,2,2-Tetrachloroethane	168	< 0.20	< 1.4	TO-15	03/10/06
Tetrachloroethylene	166	170.	1200	TO-15	03/10/06
Toluene	92.1	< 0.20	< 0.75	TO-15	03/10/06
1,2,4-Trichlorobenzene	181	< 0.63	< 4.7	TO-15	03/10/06
1,1,1-Trichloroethane	133	0.510	2.8	TO-15	03/10/06
1,1,2-Trichloroethane	133	< 0.20	< 1.1	TO-15	03/10/06
Trichloroethylene	131	18.0	96.	TO-15	03/10/06
1,2,4-Trimethylbenzene	120	< 0.20	< 0.98	TO-15	03/10/06
1,3,5-Trimethylbenzene	120	< 0.20	< 0.98	TO-15	03/10/06
Vinyl chloride	62.5	< 0.20	< 0.51	TO-15	03/10/06
Vinyl acetate	86.1	< 0.20	< 0.70	TO-15	03/10/06
m&p-Xylene	106	< 0.40	< 1.7	TO-15	03/10/06
o-Xylene	106	< 0.20	< 0.87	TO-15	03/10/06

Travis Johnson, ESC Representative

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, NJ - 81002, WI - 998093910

Note:

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Reported: 03/22/06 07:34 Printed: 03/22/06 08:50

Summary of Remarks For Samples Printed
03/22/06 at 08:50:28

TSR Signing Reports: 371

All MACTECPAZ projects need QC2. Per TJ 03/20

Sample: L236694-01 Account: MACTECPAZ Received: 03/09/06 09:00 Due Date: 03/16/06 00:00 RPT Date: 03/22/06 07:34

Sample: L236694-02 Account: MACTECPAZ Received: 03/09/06 09:00 Due Date: 03/16/06 00:00 RPT Date: 03/22/06 07:34

Sample: L236694-03 Account: MACTECPAZ Received: 03/09/06 09:00 Due Date: 03/16/06 00:00 RPT Date: 03/22/06 07:34

Sample: L236694-04 Account: MACTECPAZ Received: 03/09/06 09:00 Due Date: 03/16/06 00:00 RPT Date: 03/22/06 07:34



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MACTEC - Phoenix, AZ
Jim Clarke
3630 East Wier Ave.

Quality Assurance Report Level II

Phoenix, AZ 85040

L236694

March 22, 2006

Analyte	Result	Laboratory Blank Units	Date Analyzed	Batch
1,1,1-Trichloroethane	< .2	ppb	03/09/06 17:26	WG241964
1,1,2,2-Tetrachloroethane	< .2	ppb	03/09/06 17:26	WG241964
1,1,2-Trichloroethane	< .2	ppb	03/09/06 17:26	WG241964
1,1-Dichloroethene	< .2	ppb	03/09/06 17:26	WG241964
1,2,4-Trichlorobenzene	< .63	ppb	03/09/06 17:26	WG241964
1,2,4-Trimethylbenzene	< .2	ppb	03/09/06 17:26	WG241964
1,2-Dibromoethane	< .2	ppb	03/09/06 17:26	WG241964
1,2-Dichlorobenzene	< .2	ppb	03/09/06 17:26	WG241964
1,2-Dichloroethane	< .2	ppb	03/09/06 17:26	WG241964
1,2-Dichloropropane	< .2	ppb	03/09/06 17:26	WG241964
1,3,5-Trimethylbenzene	< .2	ppb	03/09/06 17:26	WG241964
1,3-Butadiene	< .2	ppb	03/09/06 17:26	WG241964
1,3-Dichlorobenzene	< .2	ppb	03/09/06 17:26	WG241964
1,4-Dichlorobenzene	< .2	ppb	03/09/06 17:26	WG241964
1,4-Dioxane	< 1.25	ppb	03/09/06 17:26	WG241964
Methyl Ethyl Ketone	< 1.25	ppb	03/09/06 17:26	WG241964
2-Propanol	< 1.25	ppb	03/09/06 17:26	WG241964
4-Ethyltoluene	< .2	ppb	03/09/06 17:26	WG241964
Methyl Isobutyl Ketone	< 1.25	ppb	03/09/06 17:26	WG241964
Acetone	< 1.25	ppb	03/09/06 17:26	WG241964
Benzene	< .2	ppb	03/09/06 17:26	WG241964
Benzyl Chloride	< .2	ppb	03/09/06 17:26	WG241964
Bromodichloromethane	< .2	ppb	03/09/06 17:26	WG241964
Bromoform	< .6	ppb	03/09/06 17:26	WG241964
Bromomethane	< .2	ppb	03/09/06 17:26	WG241964
Carbon disulfide	< .31	ppb	03/09/06 17:26	WG241964
Carbon tetrachloride	< .2	ppb	03/09/06 17:26	WG241964
Chlorobenzene	< .2	ppb	03/09/06 17:26	WG241964
Dibromochloromethane	< .2	ppb	03/09/06 17:26	WG241964
Chloroethane	< .2	ppb	03/09/06 17:26	WG241964
Chloroform	< .2	ppb	03/09/06 17:26	WG241964
Chloromethane	< .2	ppb	03/09/06 17:26	WG241964
cis-1,2-Dichloroethene	< .2	ppb	03/09/06 17:26	WG241964
cis-1,3-Dichloropropene	< .2	ppb	03/09/06 17:26	WG241964
Cyclohexane	< .31	ppb	03/09/06 17:26	WG241964
Ethanol	< .63	ppb	03/09/06 17:26	WG241964
Ethylbenzene	< .2	ppb	03/09/06 17:26	WG241964
Freon-11	< .63	ppb	03/09/06 17:26	WG241964
Freon-113	< .63	ppb	03/09/06 17:26	WG241964
Freon-114	< .63	ppb	03/09/06 17:26	WG241964
Freon-12	< .63	ppb	03/09/06 17:26	WG241964
Heptane	< .31	ppb	03/09/06 17:26	WG241964
Hexachloro-1,3-butadiene	< .63	ppb	03/09/06 17:26	WG241964
m&p-Xylene	< .4	ppb	03/09/06 17:26	WG241964
Methyl Butyl Ketone	< 1.25	ppb	03/09/06 17:26	WG241964
MTBE	< .31	ppb	03/09/06 17:26	WG241964
Methylene Chloride	< .63	ppb	03/09/06 17:26	WG241964
Naphthalene	< .63	ppb	03/09/06 17:26	WG241964
o-Xylene	< .2	ppb	03/09/06 17:26	WG241964
Propene	< .2	ppb	03/09/06 17:26	WG241964
Styrene	< .2	ppb	03/09/06 17:26	WG241964
Tetrachloroethylene	< .2	ppb	03/09/06 17:26	WG241964
Toluene	< .2	ppb	03/09/06 17:26	WG241964
trans-1,2-Dichloroethene	< .2	ppb	03/09/06 17:26	WG241964
trans-1,3-Dichloropropene	< .2	ppb	03/09/06 17:26	WG241964
Trichloroethylene	< .2	ppb	03/09/06 17:26	WG241964
Vinyl acetate	< .2	ppb	03/09/06 17:26	WG241964
Vinyl chloride	< .2	ppb	03/09/06 17:26	WG241964

Laboratory Control Sample



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Quality Assurance Report Level II

Phoenix, AZ 85040

L236694

March 22, 2006

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
1,1,1-Trichloroethane	ppb	5	4.55	91.0	50-150	WG241964
1,1,2,2-Tetrachloroethane	ppb	5	4.80	96.0	50-150	WG241964
1,1,2-Trichloroethane	ppb	5	4.72	94.0	50-150	WG241964
1,1-Dichloroethene	ppb	5	4.75	95.0	50-150	WG241964
1,2,4-Trichlorobenzene	ppb	5	4.42	88.0	50-150	WG241964
1,2,4-Trimethylbenzene	ppb	5	4.70	94.0	50-150	WG241964
1,2-Dibromoethane	ppb	5	4.88	98.0	50-150	WG241964
1,2-Dichlorobenzene	ppb	5	4.77	95.0	50-150	WG241964
1,2-Dichloroethane	ppb	5	4.49	90.0	50-150	WG241964
1,2-Dichloropropane	ppb	5	4.44	89.0	50-150	WG241964
1,3,5-Trimethylbenzene	ppb	5	4.66	93.0	50-150	WG241964
1,3-Butadiene	ppb	5	4.63	93.0	50-150	WG241964
1,3-Dichlorobenzene	ppb	5	4.79	96.0	50-150	WG241964
1,4-Dichlorobenzene	ppb	5	4.81	96.0	50-150	WG241964
1,4-Dioxane	ppb	5	5.50	110.	50-150	WG241964
Methyl Ethyl Ketone	ppb	5	5.23	105.	50-150	WG241964
2-Propanol	ppb	5	3.72	74.0	50-150	WG241964
4-Ethyltoluene	ppb	5	4.80	96.0	50-150	WG241964
Methyl Isobutyl Ketone	ppb	5	5.01	100.	50-150	WG241964
Acetone	ppb	5	4.74	95.0	50-150	WG241964
Benzene	ppb	5	4.68	94.0	50-150	WG241964
Benzyl Chloride	ppb	5	4.96	99.0	50-150	WG241964
Bromodichloromethane	ppb	5	4.60	92.0	50-150	WG241964
Bromoform	ppb	15	14.1	94.0	50-150	WG241964
Bromomethane	ppb	5	4.87	97.0	50-150	WG241964
Carbon disulfide	ppb	5	4.89	98.0	50-150	WG241964
Carbon tetrachloride	ppb	5	4.44	89.0	50-150	WG241964
Chlorobenzene	ppb	5	4.74	95.0	50-150	WG241964
Dibromochloromethane	ppb	5	4.71	94.0	50-150	WG241964
Chloroethane	ppb	5	4.80	96.0	50-150	WG241964
Chloroform	ppb	5	4.62	92.0	50-150	WG241964
Chloromethane	ppb	5	4.77	95.0	50-150	WG241964
cis-1,2-Dichloroethene	ppb	5	4.98	100.	50-150	WG241964
cis-1,3-Dichloropropene	ppb	5	4.75	95.0	50-150	WG241964
Cyclohexane	ppb	5	4.60	92.0	50-150	WG241964
Ethanol	ppb	5	5.41	108.	50-150	WG241964
Ethylbenzene	ppb	5	4.82	96.0	50-150	WG241964
Freon-11	ppb	5	4.42	88.0	50-150	WG241964
Freon-113	ppb	5	4.78	96.0	50-150	WG241964
Freon-114	ppb	5	4.79	96.0	50-150	WG241964
Freon-12	ppb	5	4.85	97.0	50-150	WG241964
Heptane	ppb	5	4.59	92.0	50-150	WG241964
Hexachloro-1,3-butadiene	ppb	5	4.83	97.0	50-150	WG241964
m&p-Xylene	ppb	10	9.91	99.0	50-150	WG241964
Methyl Butyl Ketone	ppb	5	5.21	104.	50-150	WG241964
MTBE	ppb	5	4.78	96.0	50-150	WG241964
Methylene Chloride	ppb	5	4.81	96.0	50-150	WG241964
Naphthalene	ppb	5	4.08	82.0	50-150	WG241964
o-Xylene	ppb	5	4.77	95.0	50-150	WG241964
Propene	ppb	5	4.91	98.0	50-150	WG241964
Styrene	ppb	5	4.84	97.0	50-150	WG241964
Tetrachloroethylene	ppb	5	4.63	93.0	50-150	WG241964
Toluene	ppb	5	4.74	95.0	50-150	WG241964
trans-1,2-Dichloroethene	ppb	5	4.76	95.0	50-150	WG241964
trans-1,3-Dichloropropene	ppb	5	4.81	96.0	50-150	WG241964
Trichloroethylene	ppb	5	4.62	92.0	50-150	WG241964
Vinyl acetate	ppb	5	4.77	95.0	50-150	WG241964
Vinyl chloride	ppb	5	4.74	95.0	50-150	WG241964

Laboratory Control Sample Duplicate						
Analyte	Units	LCSD	Res	Ref	Res	RPD
						Limit %Rec
						Batch



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Quality Assurance Report Level II

Phoenix, AZ 85040

L236694

March 22, 2006

1,1,1-Trichloroethane	ppb	4.59	4.55	0.864	25	92	WG241964
Laboratory Control Sample Duplicate							
Analyte	Units	LCSD	Res	Ref	Res	RPD	Limit %Rec Batch
1,1,2,2-Tetrachloroethane	ppb	4.76	4.80		0.954	25	95 WG241964
1,1,2-Trichloroethane	ppb	4.70	4.72		0.537	25	94 WG241964
1,1-Dichloroethene	ppb	4.76	4.75		0.162	25	95 WG241964
1,2,4-Trichlorobenzene	ppb	4.03	4.42		9.31	25	81 WG241964
1,2,4-Trimethylbenzene	ppb	4.70	4.70		0.120	25	94 WG241964
1,2-Dibromoethane	ppb	4.90	4.88		0.434	25	98 WG241964
1,2-Dichlorobenzene	ppb	4.77	4.77		0.105	25	95 WG241964
1,2-Dichloroethane	ppb	4.54	4.49		1.07	25	91 WG241964
1,2-Dichloropropane	ppb	4.51	4.44		1.68	25	90 WG241964
1,3,5-Trimethylbenzene	ppb	4.65	4.66		0.355	25	93 WG241964
1,3-Butadiene	ppb	4.65	4.63		0.413	25	93 WG241964
1,3-Dichlorobenzene	ppb	4.83	4.79		0.925	25	97 WG241964
1,4-Dichlorobenzene	ppb	4.81	4.81		0.111	25	96 WG241964
1,4-Dioxane	ppb	5.83	5.50		5.80	25	117 WG241964
Methyl Ethyl Ketone	ppb	5.30	5.23		1.27	25	106 WG241964
2-Propanol	ppb	3.74	3.72		0.607	25	75 WG241964
4-Ethyltoluene	ppb	4.78	4.80		0.478	25	96 WG241964
Methyl Isobutyl Ketone	ppb	5.44	5.01		8.27	25	109 WG241964
Acetone	ppb	4.82	4.74		1.71	25	96 WG241964
Benzene	ppb	4.73	4.68		1.07	25	95 WG241964
Benzyl Chloride	ppb	4.90	4.96		1.24	25	98 WG241964
Bromodichloromethane	ppb	4.66	4.60		1.10	25	93 WG241964
Bromoform	ppb	14.0	14.1		0.847	25	93 WG241964
Bromomethane	ppb	4.80	4.87		1.45	25	96 WG241964
Carbon disulfide	ppb	4.90	4.89		0.255	25	98 WG241964
Carbon tetrachloride	ppb	4.50	4.44		1.47	25	90 WG241964
Chlorobenzene	ppb	4.77	4.74		0.574	25	95 WG241964
Dibromochloromethane	ppb	4.72	4.71		0.287	25	94 WG241964
Chloroethane	ppb	4.82	4.80		0.548	25	96 WG241964
Chloroform	ppb	4.65	4.62		0.527	25	93 WG241964
Chloromethane	ppb	4.78	4.77		0.281	25	96 WG241964
cis-1,2-Dichloroethene	ppb	4.96	4.98		0.440	25	99 WG241964
cis-1,3-Dichloropropene	ppb	4.85	4.75		2.03	25	97 WG241964
Cyclohexane	ppb	4.59	4.60		0.215	25	92 WG241964
Ethanol	ppb	5.42	5.41		0.221	25	108 WG241964
Ethylbenzene	ppb	4.85	4.82		0.708	25	97 WG241964
Freon-11	ppb	4.47	4.42		1.15	25	89 WG241964
Freon-113	ppb	4.72	4.78		1.14	25	94 WG241964
Freon-114	ppb	4.78	4.79		0.153	25	96 WG241964
Freon-12	ppb	4.85	4.85		0.0431	25	97 WG241964
Heptane	ppb	4.62	4.59		0.793	25	92 WG241964
Hexachloro-1,3-butadiene	ppb	4.62	4.83		4.63	25	92 WG241964
m,p-Xylene	ppb	9.85	9.91		0.656	25	98 WG241964
Methyl Butyl Ketone	ppb	5.45	5.21		4.39	25	109 WG241964
MTBE	ppb	4.82	4.78		0.893	25	96 WG241964
Methylene Chloride	ppb	4.80	4.81		0.278	25	96 WG241964
Naphthalene	ppb	3.81	4.08		6.93	25	76 WG241964
o-Xylene	ppb	4.70	4.77		1.42	25	94 WG241964
Propene	ppb	4.91	4.91		0.0350	25	98 WG241964
Styrene	ppb	4.81	4.84		0.722	25	96 WG241964
Tetrachloroethylene	ppb	4.67	4.63		0.948	25	93 WG241964
Toluene	ppb	4.77	4.74		0.715	25	95 WG241964
trans-1,2-Dichloroethene	ppb	4.81	4.76		1.09	22	96 WG241964
trans-1,3-Dichloropropene	ppb	4.88	4.81		1.53	25	98 WG241964
Trichloroethylene	ppb	4.70	4.62		1.73	25	94 WG241964
Vinyl acetate	ppb	4.74	4.77		0.644	23	95 WG241964
Vinyl chloride	ppb	4.67	4.74		1.60	25	93 WG241964



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Est. 1970

MACTEC - Phoenix, AZ
Jim Clarke
3630 East Wier Ave.

Phoenix, AZ 85040

Quality Assurance Report
Level II

L236694

March 22, 2006

Batch number /Run number / Sample number cross reference

WG241964: R267946: L236694-01 02 03 04

* * Calculations are performed prior to rounding of reported values .



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Quality Assurance Report
Level II

Phoenix, AZ 85040

L236694

March 22, 2006

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.



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REPORT OF ANALYSIS

Jim Clarke
MACTEC - Phoenix, AZ
3630 East Wier Ave.
Phoenix, AZ 85040

March 22, 2006

Date Received : March 09, 2006
Description : South Mesa Vapor Sampling
Sample ID : EFF
Collected By : Mark Hammck
Collection Date : 03/07/06 16:10

ESC Sample # : L236694-01

Site ID : SOUTH MESA, AZ

Project # : 4972-04-2034

Parameter	Mol Wght	Result (ppbv)	ug/m3	Method	Date
Volatile Organics					
Propene	42.1	< 2.0	< 3.4	TO-15	03/10/06
Freon-12	121	0.820	4.1	TO-15	03/10/06
Freon-114	171	< 0.63	< 4.4	TO-15	03/10/06
Chloromethane	50.5	0.340	0.70	TO-15	03/10/06
Vinyl chloride	62.5	< 0.20	< 0.51	TO-15	03/10/06
1,3-Butadiene	54.1	< 2.0	< 4.4	TO-15	03/10/06
Bromomethane	94.9	< 0.20	< 0.78	TO-15	03/10/06
Chloroethane	64.5	< 0.20	< 0.53	TO-15	03/10/06
Freon-11	137	0.740	4.1	TO-15	03/10/06
Ethanol	46.1	9.00	17.	TO-15	03/10/06
Freon-113	187	< 0.63	< 4.8	TO-15	03/10/06
1,1-Dichloroethene	96.9	2.80	11.	TO-15	03/10/06
Acetone	58.1	3.00	7.1	TO-15	03/10/06
2-Propanol	60.1	< 1.3	< 3.1	TO-15	03/10/06
Carbon disulfide	76.1	< 0.31	< 0.96	TO-15	03/10/06
Methylene Chloride	84.9	27.0	94.	TO-15	03/10/06
MTBE	88.1	< 0.31	< 1.1	TO-15	03/10/06
trans-1,2-Dichloroethene	96.9	< 0.20	< 0.79	TO-15	03/10/06
n-Hexane	86.2	< 0.31	< 1.1	TO-15	03/10/06
Vinyl acetate	86.1	< 0.20	< 0.70	TO-15	03/10/06
Methyl Ethyl Ketone	72.1	< 1.3	< 3.7	TO-15	03/10/06
cis-1,2-Dichloroethene	96.9	1.40	5.5	TO-15	03/10/06
Chloroform	119	1.60	7.8	TO-15	03/10/06
Cyclohexane	84.2	< 0.31	< 1.1	TO-15	03/10/06
1,1,1-Trichloroethane	133	< 0.20	< 1.1	TO-15	03/10/06
Carbon tetrachloride	154	< 0.20	< 1.3	TO-15	03/10/06
Benzene	78.1	< 0.20	< 0.64	TO-15	03/10/06
1,2-Dichloroethane	99	< 0.20	< 0.81	TO-15	03/10/06
Heptane	100	< 0.31	< 1.3	TO-15	03/10/06
Trichloroethylene	131	0.500	2.7	TO-15	03/10/06
1,2-Dichloropropane	113	< 0.20	< 0.92	TO-15	03/10/06
1,4-Dioxane	88.1	< 1.3	< 4.5	TO-15	03/10/06
Bromodichloromethane	164	< 0.20	< 1.3	TO-15	03/10/06
cis-1,3-Dichloropropene	111	< 0.20	< 0.91	TO-15	03/10/06
Methyl Isobutyl Ketone	100.1	< 1.3	< 5.1	TO-15	03/10/06
Toluene	92.1	< 0.20	< 0.75	TO-15	03/10/06
trans-1,3-Dichloropropene	111	< 0.20	< 0.91	TO-15	03/10/06
1,1,2-Trichloroethane	133	< 0.20	< 1.1	TO-15	03/10/06

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, NJ - 81002, WI - 998093910

Note:

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REPORT OF ANALYSIS

Jim Clarke
MACTEC - Phoenix, AZ
3630 East Wier Ave.
Phoenix, AZ 85040

March 22, 2006

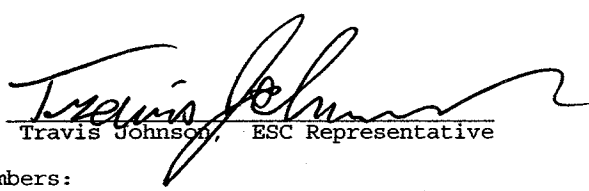
Date Received : March 09, 2006
Description : South Mesa Vapor Sampling
Sample ID : EFF
Collected By : Mark Hammck
Collection Date : 03/07/06 16:10

ESC Sample # : L236694-01

Site ID : SOUTH MESA, AZ

Project # : 4972-04-2034

Parameter	Mol Wght	Result (ppbv)	ug/m3	Method	Date
Tetrachloroethylene	166	< 0.20	< 1.4	TO-15	03/10/06
Methyl Butyl Ketone	100	< 1.3	< 5.1	TO-15	03/10/06
Dibromochloromethane	208	< 0.20	< 1.7	TO-15	03/10/06
1,2-Dibromoethane	188	< 0.20	< 1.5	TO-15	03/10/06
Chlorobenzene	113	< 0.20	< 0.92	TO-15	03/10/06
Ethylbenzene	106	< 0.20	< 0.87	TO-15	03/10/06
m&p-Xylene	106	0.480	2.1	TO-15	03/10/06
o-Xylene	106	< 0.20	< 0.87	TO-15	03/10/06
Styrene	104	< 0.20	< 0.85	TO-15	03/10/06
Bromoform	253	< 0.60	< 6.2	TO-15	03/10/06
1,1,2,2-Tetrachloroethane	168	< 0.20	< 1.4	TO-15	03/10/06
4-Ethyltoluene	120	< 0.20	< 0.98	TO-15	03/10/06
1,3,5-Trimethylbenzene	120	< 0.20	< 0.98	TO-15	03/10/06
1,2,4-Trimethylbenzene	120	< 0.20	< 0.98	TO-15	03/10/06
1,3-Dichlorobenzene	147	< 0.20	< 1.2	TO-15	03/10/06
1,4-Dichlorobenzene	147	< 0.20	< 1.2	TO-15	03/10/06
Benzyl Chloride	127	< 0.20	< 1.0	TO-15	03/10/06
1,2-Dichlorobenzene	147	< 0.20	< 1.2	TO-15	03/10/06
1,2,4-Trichlorobenzene	181	< 0.63	< 4.7	TO-15	03/10/06
Hexachloro-1,3-butadiene	261	< 0.63	< 6.7	TO-15	03/10/06
Naphthalene	128	< 0.63	< 3.3	TO-15	03/10/06


Travis Johnson, ESC Representative

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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AZ - 0612, MN - 047-999-395, NY - 11742, NJ - 81002, WI - 998093910

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REPORT OF ANALYSIS

Jim Clarke
MACTEC - Phoenix, AZ
3630 East Wier Ave.
Phoenix, AZ 85040

March 22, 2006

Date Received : March 09, 2006
Description : South Mesa Vapor Sampling

ESC Sample # : L236694-02

Sample ID : INT

Site ID : SOUTH MESA, AZ

Collected By : Mark Hammck
Collection Date : 03/07/06 16:15

Project # : 4972-04-2034

Parameter	Mol Wght	Result (ppbv)	ug/m3	Method	Date
Volatile Organics					
Acetone	58.1	3.40	8.1	TO-15	03/10/06
Benzene	78.1	< 0.20	< 0.64	TO-15	03/10/06
Benzyl Chloride	127	< 0.20	< 1.0	TO-15	03/10/06
Bromodichloromethane	164	0.330	2.2	TO-15	03/10/06
Bromoform	253	< 0.60	< 6.2	TO-15	03/10/06
Bromomethane	94.9	< 0.20	< 0.78	TO-15	03/10/06
1,3-Butadiene	54.1	< 2.0	< 4.4	TO-15	03/10/06
Carbon disulfide	76.1	< 0.31	< 0.96	TO-15	03/10/06
Carbon tetrachloride	154	< 0.20	< 1.3	TO-15	03/10/06
Chlorobenzene	113	< 0.20	< 0.92	TO-15	03/10/06
Chloroethane	64.5	< 0.20	< 0.53	TO-15	03/10/06
Chloroform	119	0.810	3.9	TO-15	03/10/06
Chloromethane	50.5	0.320	0.66	TO-15	03/10/06
Cyclohexane	84.2	0.460	1.6	TO-15	03/10/06
Dibromochloromethane	208	< 0.20	< 1.7	TO-15	03/10/06
1,2-Dibromoethane	188	< 0.20	< 1.5	TO-15	03/10/06
1,2-Dichlorobenzene	147	< 0.20	< 1.2	TO-15	03/10/06
1,3-Dichlorobenzene	147	< 0.20	< 1.2	TO-15	03/10/06
1,4-Dichlorobenzene	147	< 0.20	< 1.2	TO-15	03/10/06
1,2-Dichloroethane	99	< 0.20	< 0.81	TO-15	03/10/06
1,1-Dichloroethene	96.9	1.90	7.5	TO-15	03/10/06
cis-1,2-Dichloroethene	96.9	1.40	5.5	TO-15	03/10/06
trans-1,2-Dichloroethene	96.9	< 0.20	< 0.79	TO-15	03/10/06
1,2-Dichloropropane	113	1.30	6.0	TO-15	03/10/06
cis-1,3-Dichloropropene	111	< 0.20	< 0.91	TO-15	03/10/06
trans-1,3-Dichloropropene	111	< 0.20	< 0.91	TO-15	03/10/06
1,4-Dioxane	88.1	2.30	8.3	TO-15	03/10/06
Ethanol	46.1	8.40	16.	TO-15	03/10/06
Ethylbenzene	106	< 0.20	< 0.87	TO-15	03/10/06
4-Ethyltoluene	120	< 0.20	< 0.98	TO-15	03/10/06
Freon-11	137	0.670	3.8	TO-15	03/10/06
Freon-12	121	0.680	3.4	TO-15	03/10/06
Freon-113	187	< 0.63	< 4.8	TO-15	03/10/06
Freon-114	171	< 0.63	< 4.4	TO-15	03/10/06
Heptane	100	< 0.31	< 1.3	TO-15	03/10/06
Hexachloro-1,3-butadiene	261	< 0.63	< 6.7	TO-15	03/10/06
n-Hexane	86.2	< 0.31	< 1.1	TO-15	03/10/06
Methylene Chloride	84.9	16.0	56.	TO-15	03/10/06

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, NJ - 81002, WI - 998093910

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REPORT OF ANALYSIS

Jim Clarke
MACTEC - Phoenix, AZ
3630 East Wier Ave.
Phoenix, AZ 85040

March 22, 2006

Date Received : March 09, 2006
Description : South Mesa Vapor Sampling
Sample ID : INT
Collected By : Mark Hammck
Collection Date : 03/07/06 16:15

ESC Sample # : L236694-02

Site ID : SOUTH MESA, AZ

Project # : 4972-04-2034

Parameter	Mol Wght	Result (ppbv)	ug/m3	Method	Date
Methyl Butyl Ketone	100	< 1.3	< 5.1	TO-15	03/10/06
Methyl Ethyl Ketone	72.1	< 1.3	< 3.7	TO-15	03/10/06
Methyl Isobutyl Ketone	100.1	< 1.3	< 5.1	TO-15	03/10/06
MTBE	88.1	< 0.31	< 1.1	TO-15	03/10/06
Naphthalene	128	< 0.63	< 3.3	TO-15	03/10/06
2-Propanol	60.1	1.40	3.4	TO-15	03/10/06
Propene	42.1	< 2.0	< 3.4	TO-15	03/10/06
Styrene	104	< 0.20	< 0.85	TO-15	03/10/06
1,1,2,2-Tetrachloroethane	168	< 0.20	< 1.4	TO-15	03/10/06
Tetrachloroethylene	166	69.0	470	TO-15	03/10/06
Toluene	92.1	< 0.20	< 0.75	TO-15	03/10/06
1,2,4-Trichlorobenzene	181	< 0.63	< 4.7	TO-15	03/10/06
1,1,1-Trichloroethane	133	< 0.20	< 1.1	TO-15	03/10/06
1,1,2-Trichloroethane	133	< 0.20	< 1.1	TO-15	03/10/06
Trichloroethylene	131	1.40	7.5	TO-15	03/10/06
1,2,4-Trimethylbenzene	120	< 0.20	< 0.98	TO-15	03/10/06
1,3,5-Trimethylbenzene	120	< 0.20	< 0.98	TO-15	03/10/06
Vinyl chloride	62.5	< 0.20	< 0.51	TO-15	03/10/06
Vinyl acetate	86.1	< 0.20	< 0.70	TO-15	03/10/06
m&p-Xylene	106	< 0.40	< 1.7	TO-15	03/10/06
o-Xylene	106	< 0.20	< 0.87	TO-15	03/10/06


Travis Johnson, ESC Representative

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 323, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, NJ - 81002, WI - 998093910

Note:

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REPORT OF ANALYSIS

March 22, 2006

Jim Clarke
MACTEC - Phoenix, AZ
3630 East Wier Ave.
Phoenix, AZ 85040

ESC Sample # : L236694-03

Site ID : SOUTH MESA, AZ

Project # : 4972-04-2034

Date Received : March 09, 2006
Description : South Mesa Vapor Sampling

Sample ID : INF

Collected By : Mark Hammck
Collection Date : 03/07/06 16:20

Parameter	Mol Wght	Result (ppbv)	ug/m3	Method	Date
Volatile Organics					
Acetone	58.1	6.80	16.	TO-15	03/10/06
Benzene	78.1	0.260	0.83	TO-15	03/10/06
Benzyl Chloride	127	< 0.20	< 1.0	TO-15	03/10/06
Bromodichloromethane	164	< 0.20	< 1.3	TO-15	03/10/06
Bromoform	253	< 0.60	< 6.2	TO-15	03/10/06
Bromomethane	94.9	< 0.20	< 0.78	TO-15	03/10/06
1,3-Butadiene	54.1	< 2.0	< 4.4	TO-15	03/10/06
Carbon disulfide	76.1	< 0.31	< 0.96	TO-15	03/10/06
Carbon tetrachloride	154	< 0.20	< 1.3	TO-15	03/10/06
Chlorobenzene	113	< 0.20	< 0.92	TO-15	03/10/06
Chloroethane	64.5	< 0.20	< 0.53	TO-15	03/10/06
Chloroform	119	0.830	4.0	TO-15	03/10/06
Chloromethane	50.5	0.300	0.62	TO-15	03/10/06
Cyclohexane	84.2	1.20	4.1	TO-15	03/10/06
Dibromochloromethane	208	< 0.20	< 1.7	TO-15	03/10/06
1,2-Dibromoethane	188	< 0.20	< 1.5	TO-15	03/10/06
1,2-Dichlorobenzene	147	< 0.20	< 1.2	TO-15	03/10/06
1,3-Dichlorobenzene	147	< 0.20	< 1.2	TO-15	03/10/06
1,4-Dichlorobenzene	147	< 0.20	< 1.2	TO-15	03/10/06
1,2-Dichloroethane	99	< 0.20	< 0.81	TO-15	03/10/06
1,1-Dichloroethene	96.9	1.90	7.5	TO-15	03/10/06
cis-1,2-Dichloroethene	96.9	0.740	2.9	TO-15	03/10/06
trans-1,2-Dichloroethene	96.9	< 0.20	< 0.79	TO-15	03/10/06
1,2-Dichloropropane	113	2.20	10.	TO-15	03/10/06
cis-1,3-Dichloropropene	111	< 0.20	< 0.91	TO-15	03/10/06
trans-1,3-Dichloropropene	111	< 0.20	< 0.91	TO-15	03/10/06
1,4-Dioxane	88.1	< 1.3	< 4.5	TO-15	03/10/06
Ethanol	46.1	6.60	12.	TO-15	03/10/06
Ethylbenzene	106	< 0.20	< 0.87	TO-15	03/10/06
4-Ethyltoluene	120	< 0.20	< 0.98	TO-15	03/10/06
Freon-11	137	0.680	3.8	TO-15	03/10/06
Freon-12	121	0.680	3.4	TO-15	03/10/06
Freon-113	187	< 0.63	< 4.8	TO-15	03/10/06
Freon-114	171	< 0.63	< 4.4	TO-15	03/10/06
Heptane	100	< 0.31	< 1.3	TO-15	03/10/06
Hexachloro-1,3-butadiene	261	< 0.63	< 6.7	TO-15	03/10/06
n-Hexane	86.2	0.320	1.1	TO-15	03/10/06
Methylene Chloride	84.9	16.0	56.	TO-15	03/10/06

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, NJ - 81002, WI - 998093910

Note:

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ENVIRONMENTAL SCIENCE CORP.

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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

March 22, 2006

Jim Clarke
MACTEC - Phoenix, AZ
3630 East Wier Ave.
Phoenix, AZ 85040

Date Received : March 09, 2006
Description : South Mesa Vapor Sampling
Sample ID : INF
Collected By : Mark Hammck
Collection Date : 03/07/06 16:20

ESC Sample # : L236694-03
Site ID : SOUTH MESA, AZ
Project # : 4972-04-2034

Parameter	Mol Wght	Result (ppbv)	ug/m3	Method	Date
Methyl Butyl Ketone	100	< 1.3	< 5.1	TO-15	03/10/06
Methyl Ethyl Ketone	72.1	< 1.3	< 3.7	TO-15	03/10/06
Methyl Isobutyl Ketone	100.1	< 1.3	< 5.1	TO-15	03/10/06
MTBE	88.1	< 0.31	< 1.1	TO-15	03/10/06
Naphthalene	128	< 0.63	< 3.3	TO-15	03/10/06
2-Propanol	60.1	1.40	3.4	TO-15	03/10/06
Propene	42.1	< 2.0	< 3.4	TO-15	03/10/06
Styrene	104	< 0.20	< 0.85	TO-15	03/10/06
1,1,2,2-Tetrachloroethane	168	< 0.20	< 1.4	TO-15	03/10/06
Tetrachloroethylene	166	63.0	430	TO-15	03/10/06
Toluene	92.1	0.85	3.2	TO-15	03/10/06
1,2,4-Trichlorobenzene	181	< 0.63	< 4.7	TO-15	03/10/06
1,1,1-Trichloroethane	133	< 0.20	< 1.1	TO-15	03/10/06
1,1,2-Trichloroethane	133	< 0.20	< 1.1	TO-15	03/10/06
Trichloroethylene	131	0.840	4.5	TO-15	03/10/06
1,2,4-Trimethylbenzene	120	< 0.20	< 0.98	TO-15	03/10/06
1,3,5-Trimethylbenzene	120	< 0.20	< 0.98	TO-15	03/10/06
Vinyl chloride	62.5	< 0.20	< 0.51	TO-15	03/10/06
Vinyl acetate	86.1	< 0.20	< 0.70	TO-15	03/10/06
m&p-Xylene	106	0.530	2.3	TO-15	03/10/06
o-Xylene	106	< 0.20	< 0.87	TO-15	03/10/06


Travis Johnson, ESC Representative

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
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REPORT OF ANALYSIS

March 22, 2006

Jim Clarke
MACTEC - Phoenix, AZ
3630 East Wier Ave.
Phoenix, AZ 85040

Date Received : March 09, 2006
Description : South Mesa Vapor Sampling

Sample ID : VW-7B

Collected By : Mark Hammck
Collection Date : 03/07/06 16:40

ESC Sample # : L236694-04

Site ID : SOUTH MESA, AZ

Project # : 4972-04-2034

Parameter	Mol Wght	Result (ppbv)	ug/m3	Method	Date
Volatile Organics					
Acetone	58.1	4.50	11.	TO-15	03/10/06
Benzene	78.1	< 0.20	< 0.64	TO-15	03/10/06
Benzyl Chloride	127	< 0.20	< 1.0	TO-15	03/10/06
Bromodichloromethane	164	1.00	6.7	TO-15	03/10/06
Bromoform	253	< 0.60	< 6.2	TO-15	03/10/06
Bromomethane	94.9	< 0.20	< 0.78	TO-15	03/10/06
1,3-Butadiene	54.1	< 2.0	< 4.4	TO-15	03/10/06
Carbon disulfide	76.1	< 0.31	< 0.96	TO-15	03/10/06
Carbon tetrachloride	154	< 0.20	< 1.3	TO-15	03/10/06
Chlorobenzene	113	< 0.20	< 0.92	TO-15	03/10/06
Chloroethane	64.5	< 0.20	< 0.53	TO-15	03/10/06
Chloroform	119	6.10	30.	TO-15	03/10/06
Chloromethane	50.5	< 0.20	< 0.41	TO-15	03/10/06
Cyclohexane	84.2	2.30	7.9	TO-15	03/10/06
Dibromochloromethane	208	< 0.20	< 1.7	TO-15	03/10/06
1,2-Dibromoethane	188	< 0.20	< 1.5	TO-15	03/10/06
1,2-Dichlorobenzene	147	< 0.20	< 1.2	TO-15	03/10/06
1,3-Dichlorobenzene	147	< 0.20	< 1.2	TO-15	03/10/06
1,4-Dichlorobenzene	147	< 0.20	< 1.2	TO-15	03/10/06
1,2-Dichloroethane	99	< 0.20	< 0.81	TO-15	03/10/06
1,1-Dichloroethene	96.9	16.0	63.	TO-15	03/10/06
cis-1,2-Dichloroethene	96.9	5.20	21.	TO-15	03/10/06
trans-1,2-Dichloroethene	96.9	< 0.20	< 0.79	TO-15	03/10/06
1,2-Dichloropropane	113	8.50	39.	TO-15	03/10/06
cis-1,3-Dichloropropene	111	< 0.20	< 0.91	TO-15	03/10/06
trans-1,3-Dichloropropene	111	< 0.20	< 0.91	TO-15	03/10/06
1,4-Dioxane	88.1	< 1.3	< 4.5	TO-15	03/10/06
Ethanol	46.1	< 0.63	< 1.2	TO-15	03/10/06
Ethylbenzene	106	< 0.20	< 0.87	TO-15	03/10/06
4-Ethyltoluene	120	< 0.20	< 0.98	TO-15	03/10/06
Freon-11	137	4.20	24.	TO-15	03/10/06
Freon-12	121	2.50	12.	TO-15	03/10/06
Freon-113	187	< 0.63	< 4.8	TO-15	03/10/06
Freon-114	171	0.780	5.5	TO-15	03/10/06
Heptane	100	< 0.31	< 1.3	TO-15	03/10/06
Hexachloro-1,3-butadiene	261	< 0.63	< 6.7	TO-15	03/10/06
n-Hexane	86.2	< 0.31	< 1.1	TO-15	03/10/06
Methylene Chloride	84.9	0.780	2.7	TO-15	03/10/06

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

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REPORT OF ANALYSIS

Jim Clarke
MACTEC - Phoenix, AZ
3630 East Wier Ave.
Phoenix, AZ 85040

March 22, 2006

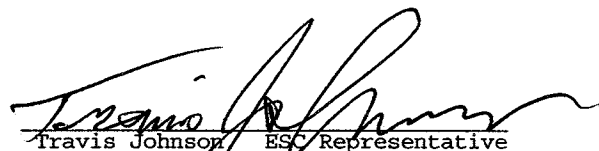
Date Received : March 09, 2006
Description : South Mesa Vapor Sampling
Sample ID : VW-7B
Collected By : Mark Hammck
Collection Date : 03/07/06 16:40

ESC Sample # : L236694-04

Site ID : SOUTH MESA, AZ

Project # : 4972-04-2034

Parameter	Mol Wght	Result (ppbv)	ug/m3	Method	Date
Methyl Butyl Ketone	100	< 1.3	< 5.1	TO-15	03/10/06
Methyl Ethyl Ketone	72.1	< 1.3	< 3.7	TO-15	03/10/06
Methyl Isobutyl Ketone	100.1	< 1.3	< 5.1	TO-15	03/10/06
MTBE	88.1	0.520	1.9	TO-15	03/10/06
Naphthalene	128	< 0.63	< 3.3	TO-15	03/10/06
2-Propanol	60.1	< 1.3	< 3.1	TO-15	03/10/06
Propene	42.1	< 2.0	< 3.4	TO-15	03/10/06
Styrene	104	< 0.20	< 0.85	TO-15	03/10/06
1,1,2,2-Tetrachloroethane	168	< 0.20	< 1.4	TO-15	03/10/06
Tetrachloroethylene	166	170.	1200	TO-15	03/10/06
Toluene	92.1	< 0.20	< 0.75	TO-15	03/10/06
1,2,4-Trichlorobenzene	181	< 0.63	< 4.7	TO-15	03/10/06
1,1,1-Trichloroethane	133	0.510	2.8	TO-15	03/10/06
1,1,2-Trichloroethane	133	< 0.20	< 1.1	TO-15	03/10/06
Trichloroethylene	131	18.0	96.	TO-15	03/10/06
1,2,4-Trimethylbenzene	120	< 0.20	< 0.98	TO-15	03/10/06
1,3,5-Trimethylbenzene	120	< 0.20	< 0.98	TO-15	03/10/06
Vinyl chloride	62.5	< 0.20	< 0.51	TO-15	03/10/06
Vinyl acetate	86.1	< 0.20	< 0.70	TO-15	03/10/06
m&p-Xylene	106	< 0.40	< 1.7	TO-15	03/10/06
o-Xylene	106	< 0.20	< 0.87	TO-15	03/10/06


Travis Johnson ESC Representative

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MACTEC - Phoenix, AZ

Jim Clarke

3630 East Wier Ave.

Phoenix, AZ 85040

Quality Assurance Report Level II

L236694

March 22, 2006

Analyte	Result	Units	Date Analyzed	Batch
1,1,1-Trichloroethane	< .2	ppb	03/09/06 17:26	WG241964
1,1,2,2-Tetrachloroethane	< .2	ppb	03/09/06 17:26	WG241964
1,2-Trichloroethane	< .2	ppb	03/09/06 17:26	WG241964
1,1-Dichloroethene	< .2	ppb	03/09/06 17:26	WG241964
1,2,4-Trichlorobenzene	< .63	ppb	03/09/06 17:26	WG241964
1,2,4-Trimethylbenzene	< .2	ppb	03/09/06 17:26	WG241964
1,2-Dibromoethane	< .2	ppb	03/09/06 17:26	WG241964
1,2-Dichlorobenzene	< .2	ppb	03/09/06 17:26	WG241964
1,2-Dichloroethane	< .2	ppb	03/09/06 17:26	WG241964
1,2-Dichloropropane	< .2	ppb	03/09/06 17:26	WG241964
1,3,5-Trimethylbenzene	< .2	ppb	03/09/06 17:26	WG241964
1,3-Butadiene	< .2	ppb	03/09/06 17:26	WG241964
1,3-Dichlorobenzene	< .2	ppb	03/09/06 17:26	WG241964
1,4-Dichlorobenzene	< .2	ppb	03/09/06 17:26	WG241964
1,4-Dioxane	< 1.25	ppb	03/09/06 17:26	WG241964
Ethyl Ethyl Ketone	< 1.25	ppb	03/09/06 17:26	WG241964
-Propanol	< 1.25	ppb	03/09/06 17:26	WG241964
-Ethyltoluene	< .2	ppb	03/09/06 17:26	WG241964
Methyl Isobutyl Ketone	< 1.25	ppb	03/09/06 17:26	WG241964
Acetone	< 1.25	ppb	03/09/06 17:26	WG241964
benzene	< .2	ppb	03/09/06 17:26	WG241964
benzyl Chloride	< .2	ppb	03/09/06 17:26	WG241964
Bromodichloromethane	< .2	ppb	03/09/06 17:26	WG241964
Bromoform	< .6	ppb	03/09/06 17:26	WG241964
Bromomethane	< .2	ppb	03/09/06 17:26	WG241964
Carbon disulfide	< .31	ppb	03/09/06 17:26	WG241964
Carbon tetrachloride	< .2	ppb	03/09/06 17:26	WG241964
Chlorobenzene	< .2	ppb	03/09/06 17:26	WG241964
Dibromochloromethane	< .2	ppb	03/09/06 17:26	WG241964
Chloroethane	< .2	ppb	03/09/06 17:26	WG241964
Chloroform	< .2	ppb	03/09/06 17:26	WG241964
Chloromethane	< .2	ppb	03/09/06 17:26	WG241964
cis-1,2-Dichloroethene	< .2	ppb	03/09/06 17:26	WG241964
cis-1,3-Dichloropropene	< .2	ppb	03/09/06 17:26	WG241964
Cyclohexane	< .31	ppb	03/09/06 17:26	WG241964
Ethanol	< .63	ppb	03/09/06 17:26	WG241964
Ethylbenzene	< .2	ppb	03/09/06 17:26	WG241964
Freon-11	< .63	ppb	03/09/06 17:26	WG241964
Freon-113	< .63	ppb	03/09/06 17:26	WG241964
Freon-114	< .63	ppb	03/09/06 17:26	WG241964
Freon-12	< .63	ppb	03/09/06 17:26	WG241964
Heptane	< .31	ppb	03/09/06 17:26	WG241964
Hexachloro-1,3-butadiene	< .63	ppb	03/09/06 17:26	WG241964
m&p-Xylene	< .4	ppb	03/09/06 17:26	WG241964
Ethyl Butyl Ketone	< 1.25	ppb	03/09/06 17:26	WG241964
TBE	< .31	ppb	03/09/06 17:26	WG241964
Methylene Chloride	< .63	ppb	03/09/06 17:26	WG241964
Naphthalene	< .63	ppb	03/09/06 17:26	WG241964
o-Xylene	< .2	ppb	03/09/06 17:26	WG241964
Propene	< .2	ppb	03/09/06 17:26	WG241964
Styrene	< .2	ppb	03/09/06 17:26	WG241964
Tetrachloroethylene	< .2	ppb	03/09/06 17:26	WG241964
Toluene	< .2	ppb	03/09/06 17:26	WG241964
trans-1,2-Dichloroethene	< .2	ppb	03/09/06 17:26	WG241964
trans-1,3-Dichloropropene	< .2	ppb	03/09/06 17:26	WG241964
Trichloroethylene	< .2	ppb	03/09/06 17:26	WG241964
Vinyl acetate	< .2	ppb	03/09/06 17:26	WG241964
Vinyl chloride	< .2	ppb	03/09/06 17:26	WG241964

Laboratory Control Sample



ENVIRONMENTAL SCIENCE CORP.

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Jim Clarke
3630 East Wier Ave.

Quality Assurance Report Level II

Phoenix, AZ 85040

L236694

March 22, 2006

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
1,1,1-Trichloroethane	ppb	5	4.55	91.0	50-150	WG241964
1,1,2,2-Tetrachloroethane	ppb	5	4.80	96.0	50-150	WG241964
1,1,2-Trichloroethane	ppb	5	4.72	94.0	50-150	WG241964
1,1-Dichloroethene	ppb	5	4.75	95.0	50-150	WG241964
1,2,4-Trichlorobenzene	ppb	5	4.42	88.0	50-150	WG241964
1,2,4-Trimethylbenzene	ppb	5	4.70	94.0	50-150	WG241964
1,2-Dibromoethane	ppb	5	4.88	98.0	50-150	WG241964
1,2-Dichlorobenzene	ppb	5	4.77	95.0	50-150	WG241964
1,2-Dichloroethane	ppb	5	4.49	90.0	50-150	WG241964
1,2-Dichloropropane	ppb	5	4.44	89.0	50-150	WG241964
1,3,5-Trimethylbenzene	ppb	5	4.66	93.0	50-150	WG241964
1,3-Butadiene	ppb	5	4.63	93.0	50-150	WG241964
1,3-Dichlorobenzene	ppb	5	4.79	96.0	50-150	WG241964
1,4-Dichlorobenzene	ppb	5	4.81	96.0	50-150	WG241964
1,4-Dioxane	ppb	5	5.50	110.	50-150	WG241964
Methyl Ethyl Ketone	ppb	5	5.23	105.	50-150	WG241964
2-Propanol	ppb	5	3.72	74.0	50-150	WG241964
4-Ethyltoluene	ppb	5	4.80	96.0	50-150	WG241964
Methyl Isobutyl Ketone	ppb	5	5.01	100.	50-150	WG241964
Acetone	ppb	5	4.74	95.0	50-150	WG241964
Benzene	ppb	5	4.68	94.0	50-150	WG241964
Benzyl Chloride	ppb	5	4.96	99.0	50-150	WG241964
Bromodichloromethane	ppb	5	4.60	92.0	50-150	WG241964
Bromoform	ppb	15	14.1	94.0	50-150	WG241964
Bromomethane	ppb	5	4.87	97.0	50-150	WG241964
Carbon disulfide	ppb	5	4.89	98.0	50-150	WG241964
Carbon tetrachloride	ppb	5	4.44	89.0	50-150	WG241964
Chlorobenzene	ppb	5	4.74	95.0	50-150	WG241964
Dibromochloromethane	ppb	5	4.71	94.0	50-150	WG241964
Chloroethane	ppb	5	4.80	96.0	50-150	WG241964
Chloroform	ppb	5	4.62	92.0	50-150	WG241964
Chloromethane	ppb	5	4.77	95.0	50-150	WG241964
cis-1,2-Dichloroethene	ppb	5	4.98	100.	50-150	WG241964
cis-1,3-Dichloropropene	ppb	5	4.75	95.0	50-150	WG241964
Cyclohexane	ppb	5	4.60	92.0	50-150	WG241964
Ethanol	ppb	5	5.41	108.	50-150	WG241964
Ethylbenzene	ppb	5	4.82	96.0	50-150	WG241964
Freon-11	ppb	5	4.42	88.0	50-150	WG241964
Freon-113	ppb	5	4.78	96.0	50-150	WG241964
Freon-114	ppb	5	4.79	96.0	50-150	WG241964
Freon-12	ppb	5	4.85	97.0	50-150	WG241964
Heptane	ppb	5	4.59	92.0	50-150	WG241964
Hexachloro-1,3-butadiene	ppb	5	4.83	97.0	50-150	WG241964
m&p-Xylene	ppb	10	9.91	99.0	50-150	WG241964
Methyl Butyl Ketone	ppb	5	5.21	104.	50-150	WG241964
MTBE	ppb	5	4.78	96.0	50-150	WG241964
Methylene Chloride	ppb	5	4.81	96.0	50-150	WG241964
Naphthalene	ppb	5	4.08	82.0	50-150	WG241964
o-Xylene	ppb	5	4.77	95.0	50-150	WG241964
Propene	ppb	5	4.91	98.0	50-150	WG241964
Styrene	ppb	5	4.84	97.0	50-150	WG241964
Tetrachloroethylene	ppb	5	4.63	93.0	50-150	WG241964
Toluene	ppb	5	4.74	95.0	50-150	WG241964
trans-1,2-Dichloroethene	ppb	5	4.76	95.0	50-150	WG241964
trans-1,3-Dichloropropene	ppb	5	4.81	96.0	50-150	WG241964
Trichloroethylene	ppb	5	4.62	92.0	50-150	WG241964
Vinyl acetate	ppb	5	4.77	95.0	50-150	WG241964
Vinyl chloride	ppb	5	4.74	95.0	50-150	WG241964

Laboratory Control Sample Duplicate						
Analyte	Units	LCSD	Res	Ref	Res	RPD
						Limit %Rec
						Batch



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Est. 1970

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Jim Clarke
3630 East Wier Ave.

Quality Assurance Report Level II

Phoenix, AZ 85040

L236694

March 22, 2006

1,1,1-Trichloroethane	ppb	4.59	4.55	0.864	25	92	WG241964
Laboratory Control Sample Duplicate							
Analyte	Units	LCSD	Res	Ref	Res	RPD	Limit %Rec Batch
1,1,2,2-Tetrachloroethane	ppb	4.76	4.80	0.954	25	95	WG241964
1,1,2-Trichloroethane	ppb	4.70	4.72	0.537	25	94	WG241964
1,1-Dichloroethene	ppb	4.76	4.75	0.162	25	95	WG241964
1,2,4-Trichlorobenzene	ppb	4.03	4.42	9.31	25	81	WG241964
1,2,4-Trimethylbenzene	ppb	4.70	4.70	0.120	25	94	WG241964
1,2-Dibromoethane	ppb	4.90	4.88	0.434	25	98	WG241964
1,2-Dichlorobenzene	ppb	4.77	4.77	0.105	25	95	WG241964
1,2-Dichloroethane	ppb	4.54	4.49	1.07	25	91	WG241964
1,2-Dichloropropane	ppb	4.51	4.44	1.68	25	90	WG241964
1,3,5-Trimethylbenzene	ppb	4.65	4.66	0.355	25	93	WG241964
1,3-Butadiene	ppb	4.65	4.63	0.413	25	93	WG241964
1,3-Dichlorobenzene	ppb	4.83	4.79	0.925	25	97	WG241964
1,4-Dichlorobenzene	ppb	4.81	4.81	0.111	25	96	WG241964
1,4-Dioxane	ppb	5.83	5.50	5.80	25	117	WG241964
Methyl Ethyl Ketone	ppb	5.30	5.23	1.27	25	106	WG241964
2-Propanol	ppb	3.74	3.72	0.607	25	75	WG241964
1-Ethyltoluene	ppb	4.78	4.80	0.478	25	96	WG241964
Methyl Isobutyl Ketone	ppb	5.44	5.01	8.27	25	109	WG241964
Acetone	ppb	4.82	4.74	1.71	25	96	WG241964
Benzene	ppb	4.73	4.68	1.07	25	95	WG241964
Benzyl Chloride	ppb	4.90	4.96	1.24	25	98	WG241964
Bromodichloromethane	ppb	4.66	4.60	1.10	25	93	WG241964
Bromoform	ppb	14.0	14.1	0.847	25	93	WG241964
Bromomethane	ppb	4.80	4.87	1.45	25	96	WG241964
Carbon disulfide	ppb	4.90	4.89	0.255	25	98	WG241964
Carbon tetrachloride	ppb	4.50	4.44	1.47	25	90	WG241964
Chlorobenzene	ppb	4.77	4.74	0.574	25	95	WG241964
Dibromochloromethane	ppb	4.72	4.71	0.287	25	94	WG241964
Chloroethane	ppb	4.82	4.80	0.548	25	96	WG241964
Chloroform	ppb	4.65	4.62	0.527	25	93	WG241964
Chloromethane	ppb	4.78	4.77	0.281	25	96	WG241964
cis-1,2-Dichloroethene	ppb	4.96	4.98	0.440	25	99	WG241964
cis-1,3-Dichloropropene	ppb	4.85	4.75	2.03	25	97	WG241964
Cyclohexane	ppb	4.59	4.60	0.215	25	92	WG241964
Ethanol	ppb	5.42	5.41	0.221	25	108	WG241964
Ethylbenzene	ppb	4.85	4.82	0.708	25	97	WG241964
Freon-11	ppb	4.47	4.42	1.15	25	89	WG241964
Freon-113	ppb	4.72	4.78	1.14	25	94	WG241964
Freon-114	ppb	4.78	4.79	0.153	25	96	WG241964
Freon-12	ppb	4.85	4.85	0.0431	25	97	WG241964
Heptane	ppb	4.62	4.59	0.793	25	92	WG241964
Hexachloro-1,3-butadiene	ppb	4.62	4.83	4.63	25	92	WG241964
m,p-Xylene	ppb	9.85	9.91	0.656	25	98	WG241964
Methyl Butyl Ketone	ppb	5.45	5.21	4.39	25	109	WG241964
MTBE	ppb	4.82	4.78	0.893	25	96	WG241964
Methylene Chloride	ppb	4.80	4.81	0.278	25	96	WG241964
Naphthalene	ppb	3.81	4.08	6.93	25	76	WG241964
o-Xylene	ppb	4.70	4.77	1.42	25	94	WG241964
Propene	ppb	4.91	4.91	0.0350	25	98	WG241964
Styrene	ppb	4.81	4.84	0.722	25	96	WG241964
Tetrachloroethylene	ppb	4.67	4.63	0.948	25	93	WG241964
Toluene	ppb	4.77	4.74	0.715	25	95	WG241964
trans-1,2-Dichloroethene	ppb	4.81	4.76	1.09	22	96	WG241964
trans-1,3-Dichloropropene	ppb	4.88	4.81	1.53	25	98	WG241964
Trichloroethylene	ppb	4.70	4.62	1.73	25	94	WG241964
Vinyl acetate	ppb	4.74	4.77	0.644	23	95	WG241964
Vinyl chloride	ppb	4.67	4.74	1.60	25	93	WG241964



ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

MACTEC - Phoenix, AZ
Jim Clarke
3630 East Wier Ave.

Phoenix, AZ 85040

Quality Assurance Report
Level II

L236694

March 22, 2006

Batch number / Run number / Sample number cross reference

WG241964: R267946: L236694-01 02 03 04

* * Calculations are performed prior to rounding of reported values .



ENVIRONMENTAL SCIENCE CORP.

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Est. 1970

MACTEC - Phoenix, AZ
Jim Clarke
3630 East Wier Ave.

Phoenix, AZ 85040

Quality Assurance Report Level II

L236694

March 22, 2006

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

MACTEC - Phoenix, AZ

3630 East Wier Ave.
Phoenix, AZ 85040

Report to: **Jim Clarke**

Email: **jnc Clarke@mactec.com**

Project Description: **South Mesa Vapor Sampling**

City/State Collected: **MESA, AZ**

Phone: (602) 437-0250

FAX: (602) 437-3675

Collected by (print): **MARK HAMMER**

Collected by (signature): *Mark Hammer*

Packed on Ice: **N X Y**

Client Project #: **4972-04-2034**

Site/Facility ID#: **SOUTH MESA, AZ**

Rush? ☐ (Lab MUST Be Notified)

Same Day 200%
Next Day 100%
Two Day 50%

Date Results Needed
Email? ☒ No ☐ Yes
FAX? ☐ No ☐ Yes

TO-15 Summa

No. of Cntrs

Date Time

Depth

Matrix*

Comp/Grab

Sample ID

Remarks/Contaminant

Sample # (lab only)

SW 239L

SW 2338

SW 2480

SW 2382

Shipped Via: **FedEX Ground**

Accrual: **MACTECPAZ**

Template/Prelog: **T35555/P169281**

Cooler #: **0181000 AC**

Chain of Custody
Page 1 of 1

Prepared by:

**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Road
Mt. Juliet, TN 37122

Phone (800) 767-5859

FAX (615) 758-5859

*Matrix: **SS - Soil GW - Groundwater WW - Waste/Water DW - Drinking Water OT - Other**

Remarks:

pH

Temp

Flow

Other

Relinquished by (Signature)

Date:

Time:

Received by: (Signature)

Samples returned via:

☐ UPS

☐ FedEx

☐ Courier

Temp:

Bottles Received:

Date:

Time:

pH Checked:

NCF

Condition:

(lab use only)



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Friday, April 28, 2006

Jim Clarke
Mactec
3630 East Wier Avenue
Phoenix, AZ 85040

TEL: (602) 437-0250

FAX (602) 437-3675

RE: South Mesa WQARF/4972-04-2034

Order No.: 06041112

Dear Jim Clarke:

Aerotech Environmental, Inc. received 4 sample(s) on 4/13/2006 for the analyses presented in the following report.

This report includes the following information:

- Case Narrative.
- Analytical Report: includes test results, report limit (Limit), any applicable data qualifier (Qual), units, dilution factor (DF), and date analyzed.
- QC Summary Report.

This communication is intended only for the individual or entity to whom it is directed. It may contain information that is privileged, confidential, or otherwise exempt from disclosure under applicable law. Dissemination, distribution, or copying of this communication by anyone other than the intended recipient, or a duly designated employee or agent of such recipient, is prohibited. If you have received this communication in error, please notify us immediately and destroy this message and all attachments thereto. If you have any questions regarding these test results, please do not hesitate to call.

Sincerely,

for: Lucas Menendez
Customer Service Manager



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental, Inc.

Date: 28-Apr-06

CLIENT: Mactec
Project: South Mesa WQARF/4972-04-2034
Lab Order: 06041112

CASE NARRATIVE

Samples were analyzed using methods outlined in references such as:

Standard Methods for the Examination of Water and Wastewater, 19th Edition, 1995.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Methods for the Determination of Organic Compounds in Drinking Water: Supplement III, EPA/600/R-95/131, August 1995.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

40 CFR, Part 136, Revised 1998. Appendix A to Part 136 - Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater.

NIOSH Manual of Analytical Methods, Fourth Edition, 1994.

Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.

Aerotech Environmental Laboratories (AEL) holds Arizona certification no. AZ0610 and AEL-Tucson holds Arizona certification no. AZ0609.

Aerotech Environmental Laboratories (Laboratory 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.

Analytical Comments:

All method blanks and laboratory control spikes met EPA method and/or laboratory quality control objectives for the analyses included in this report.

Data Qualifiers:

Listed below are the data qualifiers used in your analytical report to explain any analytical or quality control issues. You will find them noted in your report under the column header "QUAL". Any quality control deficiencies that cannot be adequately described by these qualifiers will be addressed in the analytical comments section of this case narrative.

D2 Sample required dilution due to high concentration of target analyte.



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 28-Apr-06

CLIENT: Mactec
Lab Order: 06041112
Project: South Mesa WQARF/4972-04-2034
Lab ID: 06041112-01A

Client Sample ID: INF
Tag Number: 01445
Collection Date: 4/13/2006 2:00:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
1,1,1-Trichloroethane	< 5.0	5.0	< 28	28	10	4/26/2006	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	< 35	35	10	4/26/2006	
1,1,2-Trichloroethane	< 5.0	5.0	< 28	28	10	4/26/2006	
1,1-Dichloroethane	5.7	5.0	23	21	10	4/26/2006	
1,1-Dichloroethene	< 5.0	5.0	< 20	20	10	4/26/2006	
1,2,4-Trichlorobenzene	< 20	20	< 150	150	10	4/26/2006	
1,2,4-Trimethylbenzene	5.8	5.0	29	25	10	4/26/2006	
1,2-Dibromoethane	< 5.0	5.0	< 39	39	10	4/26/2006	
1,2-Dichlorobenzene	< 5.0	5.0	< 31	31	10	4/26/2006	
1,2-Dichloroethane	< 5.0	5.0	< 21	21	10	4/26/2006	
1,2-Dichloropropane	< 5.0	5.0	< 24	24	10	4/26/2006	
1,3,5-Trimethylbenzene	< 5.0	5.0	< 25	25	10	4/26/2006	
1,3-Butadiene	< 5.0	5.0	< 11	11	10	4/26/2006	
1,3-Dichlorobenzene	< 5.0	5.0	< 31	31	10	4/26/2006	
1,4-Dichlorobenzene	< 5.0	5.0	< 31	31	10	4/26/2006	
2,2,4-Trimethylpentane	22	5.0	100	24	10	4/26/2006	
2-Butanone (MEK)	< 10	10	< 30	30	10	4/26/2006	
2-Hexanone	< 10	10	< 42	42	10	4/26/2006	
2-Propanol	< 20	20	< 50	50	10	4/26/2006	
4-Ethyltoluene	< 5.0	5.0	< 22	22	10	4/26/2006	
4-Methyl-2-pentanone	< 10	10	< 42	42	10	4/26/2006	
Acetone	< 50	50	< 120	120	10	4/26/2006	
Allyl chloride	< 5.0	5.0	< 8.0	8.0	10	4/26/2006	
Benzene	< 5.0	5.0	< 16	16	10	4/26/2006	
Benzyl chloride	< 20	20	< 110	110	10	4/26/2006	
Bromodichloromethane	< 5.0	5.0	< 34	34	10	4/26/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 1 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 28-Apr-06

CLIENT: Mactec
Lab Order: 06041112
Project: South Mesa WQARF/4972-04-2034
Lab ID: 06041112-01A

Client Sample ID: INF
Tag Number: 01445
Collection Date: 4/13/2006 2:00:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Bromoethene(Vinyl Bromide)	< 5.0	5.0	< 11	11	10	4/26/2006	
Bromoform	< 5.0	5.0	< 52	52	10	4/26/2006	
Bromomethane	< 5.0	5.0	< 20	20	10	4/26/2006	
Carbon disulfide	< 5.0	5.0	< 16	16	10	4/26/2006	
Carbon tetrachloride	< 5.0	5.0	< 32	32	10	4/26/2006	
Chlorobenzene	< 5.0	5.0	< 24	24	10	4/26/2006	
Chloroethane	< 5.0	5.0	< 13	13	10	4/26/2006	
Chloroform	< 5.0	5.0	< 25	25	10	4/26/2006	
Chloromethane	< 5.0	5.0	< 10	10	10	4/26/2006	
cis-1,2-Dichloroethene	< 5.0	5.0	< 20	20	10	4/26/2006	
cis-1,3-Dichloropropene	< 5.0	5.0	< 23	23	10	4/26/2006	
Cyclohexane	< 5.0	5.0	< 17	17	10	4/26/2006	
Dibromochloromethane	< 5.0	5.0	< 43	43	10	4/26/2006	
Dichlorodifluoromethane(F-12)	< 5.0	5.0	< 25	25	10	4/26/2006	
Dichlorotetrafluoroethane(F-114)	< 5.0	5.0	< 36	36	10	4/26/2006	
Ethyl Acetate	< 5.0	5.0	< 18	18	10	4/26/2006	
Ethylbenzene	< 5.0	5.0	< 22	22	10	4/26/2006	
Heptane	< 5.0	5.0	< 21	21	10	4/26/2006	
Hexachlorobutadiene	< 10	10	< 110	110	10	4/26/2006	
Hexane	< 5.0	5.0	< 18	18	10	4/26/2006	
m&p-Xylene	< 10	10	< 44	44	10	4/26/2006	
Methyl tert-butyl ether	< 10	10	< 37	37	10	4/26/2006	
Methylene chloride	< 5.0	5.0	< 18	18	10	4/26/2006	
o-Xylene	< 5.0	5.0	< 22	22	10	4/26/2006	
Propene (Propylene)	< 5.0	5.0	< 8.8	8.8	10	4/26/2006	
Styrene	< 5.0	5.0	< 22	22	10	4/26/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 2 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 28-Apr-06

CLIENT:	Mactec	Client Sample ID:	INF
Lab Order:	06041112	Tag Number:	01445
Project:	South Mesa WQARF/4972-04-2034	Collection Date:	4/13/2006 2:00:00 PM
Lab ID:	06041112-01A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Tetrachloroethene	160	5.0	1100	34	D2	10	4/26/2006
Tetrahydrofuran	< 20	20	< 60	60		10	4/26/2006
Toluene	< 5.0	5.0	< 19	19		10	4/26/2006
trans-1,2-Dichloroethene	< 5.0	5.0	< 20	20		10	4/26/2006
trans-1,3-Dichloropropene	< 5.0	5.0	< 23	23		10	4/26/2006
Trichloroethene	< 5.0	5.0	< 28	28		10	4/26/2006
Trichlorofluoromethane(F-11)	< 5.0	5.0	< 28	28		10	4/26/2006
Trichlorotrifluoroethane(F-113)	< 5.0	5.0	< 39	39		10	4/26/2006
Vinyl acetate	< 5.0	5.0	< 18	18		10	4/26/2006
Vinyl chloride	< 5.0	5.0	< 13	13		10	4/26/2006
Surr: 4-Bromofluorobenzene	104 %REC	70-130	-	-		10	4/26/2006

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level

- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range

Page 3 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 28-Apr-06

CLIENT:	Mactec	Client Sample ID:	INT
Lab Order:	06041112	Tag Number:	00318
Project:	South Mesa WQARF/4972-04-2034	Collection Date:	4/13/2006 1:50:00 PM
Lab ID:	06041112-02A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
1,1,1-Trichloroethane	< 50	50	< 280	280	100	4/25/2005	
1,1,2,2-Tetrachloroethane	< 50	50	< 350	350	100	4/25/2005	
1,1,2-Trichloroethane	< 50	50	< 280	280	100	4/25/2005	
1,1-Dichloroethane	< 50	50	< 210	210	100	4/25/2005	
1,1-Dichloroethene	< 50	50	< 200	200	100	4/25/2005	
1,2,4-Trichlorobenzene	< 200	200	< 1500	1500	100	4/25/2005	
1,2,4-Trimethylbenzene	< 50	50	< 250	250	100	4/25/2005	
1,2-Dibromoethane	< 50	50	< 390	390	100	4/25/2005	
1,2-Dichlorobenzene	< 50	50	< 310	310	100	4/25/2005	
1,2-Dichloroethane	< 50	50	< 210	210	100	4/25/2005	
1,2-Dichloropropane	< 50	50	< 240	240	100	4/25/2005	
1,3,5-Trimethylbenzene	< 50	50	< 250	250	100	4/25/2005	
1,3-Butadiene	< 50	50	< 110	110	100	4/25/2005	
1,3-Dichlorobenzene	< 50	50	< 310	310	100	4/25/2005	
1,4-Dichlorobenzene	< 50	50	< 310	310	100	4/25/2005	
2,2,4-Trimethylpentane	170	50	810	240	100	4/25/2005	
2-Butanone (MEK)	< 100	100	< 300	300	100	4/25/2005	
2-Hexanone	< 100	100	< 420	420	100	4/25/2005	
2-Propanol	< 200	200	< 500	500	100	4/25/2005	
4-Ethyltoluene	< 50	50	< 220	220	100	4/25/2005	
4-Methyl-2-pentanone	< 100	100	< 420	420	100	4/25/2005	
Acetone	< 500	500	< 1200	1200	100	4/25/2005	
Allyl chloride	< 50	50	< 80	80	100	4/25/2005	
Benzene	< 50	50	< 160	160	100	4/25/2005	
Benzyl chloride	< 200	200	< 1100	1100	100	4/25/2005	
Bromodichloromethane	< 50	50	< 340	340	100	4/25/2005	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 4 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 28-Apr-06

CLIENT: Mactec
Lab Order: 06041112
Project: South Mesa WQARF/4972-04-2034
Lab ID: 06041112-02A

Client Sample ID: INT
Tag Number: 00318
Collection Date: 4/13/2006 1:50:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Bromoethene(Vinyl Bromide)	< 50	50	< 110	110	100	4/25/2005	
Bromoform	< 50	50	< 520	520	100	4/25/2005	
Bromomethane	< 50	50	< 200	200	100	4/25/2005	
Carbon disulfide	< 50	50	< 160	160	100	4/25/2005	
Carbon tetrachloride	< 50	50	< 320	320	100	4/25/2005	
Chlorobenzene	< 50	50	< 240	240	100	4/25/2005	
Chloroethane	< 50	50	< 130	130	100	4/25/2005	
Chloroform	< 50	50	< 250	250	100	4/25/2005	
Chloromethane	< 50	50	< 100	100	100	4/25/2005	
cis-1,2-Dichloroethene	< 50	50	< 200	200	100	4/25/2005	
cis-1,3-Dichloropropene	< 50	50	< 230	230	100	4/25/2005	
Cyclohexane	< 50	50	< 170	170	100	4/25/2005	
Dibromochloromethane	< 50	50	< 430	430	100	4/25/2005	
Dichlorodifluoromethane(F-12)	< 50	50	< 250	250	100	4/25/2005	
Dichlorotetrafluoroethane(F-114)	< 50	50	< 360	360	100	4/25/2005	
Ethyl Acetate	< 50	50	< 180	180	100	4/25/2005	
Ethylbenzene	< 50	50	< 220	220	100	4/25/2005	
Heptane	< 50	50	< 210	210	100	4/25/2005	
Hexachlorobutadiene	< 100	100	< 1100	1100	100	4/25/2005	
Hexane	< 50	50	< 180	180	100	4/25/2005	
m&p-Xylene	< 100	100	< 440	440	100	4/25/2005	
Methyl tert-butyl ether	< 100	100	< 370	370	100	4/25/2005	
Methylene chloride	< 50	50	< 180	180	100	4/25/2005	
o-Xylene	< 50	50	< 220	220	100	4/25/2005	
Propene (Propylene)	< 50	50	< 88	88	100	4/25/2005	
Styrene	< 50	50	< 220	220	100	4/25/2005	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

Page 5 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 28-Apr-06

CLIENT:	Mactec	Client Sample ID:	INT
Lab Order:	06041112	Tag Number:	00318
Project:	South Mesa WQARF/4972-04-2034	Collection Date:	4/13/2006 1:50:00 PM
Lab ID:	06041112-02A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Tetrachloroethene	690	50	4800	340	D2	100	4/25/2005
Tetrahydrofuran	< 200	200	< 600	600		100	4/25/2005
Toluene	< 50	50	< 190	190		100	4/25/2005
trans-1,2-Dichloroethene	< 50	50	< 200	200		100	4/25/2005
trans-1,3-Dichloropropene	< 50	50	< 230	230		100	4/25/2005
Trichloroethene	< 50	50	< 280	280		100	4/25/2005
Trichlorofluoromethane(F-11)	< 50	50	< 280	280		100	4/25/2005
Trichlorotrifluoroethane(F-113)	< 50	50	< 390	390		100	4/25/2005
Vinyl acetate	< 50	50	< 180	180		100	4/25/2005
Vinyl chloride	< 50	50	< 130	130		100	4/25/2005
Surr: 4-Bromofluorobenzene	103 %REC	70-130	-	-		100	4/25/2005

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 6 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 28-Apr-06

CLIENT: Mactec
Lab Order: 06041112
Project: South Mesa WQARF/4972-04-2034
Lab ID: 06041112-03A

Client Sample ID: EFF
Tag Number: 01249
Collection Date: 4/13/2006 1:40:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
1,1,1-Trichloroethane	< 1.0	1.0	< 5.5	5.5	2	4/26/2006	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	< 7.0	7.0	2	4/26/2006	
1,1,2-Trichloroethane	< 1.0	1.0	< 5.5	5.5	2	4/26/2006	
1,1-Dichloroethane	< 1.0	1.0	< 4.1	4.1	2	4/26/2006	
1,1-Dichloroethene	< 1.0	1.0	< 4.0	4.0	2	4/26/2006	
1,2,4-Trichlorobenzene	< 4.0	4.0	< 30	30	2	4/26/2006	
1,2,4-Trimethylbenzene	12	1.0	60	5.0	2	4/26/2006	
1,2-Dibromoethane	< 1.0	1.0	< 7.8	7.8	2	4/26/2006	
1,2-Dichlorobenzene	< 1.0	1.0	< 6.1	6.1	2	4/26/2006	
1,2-Dichloroethane	< 1.0	1.0	< 4.1	4.1	2	4/26/2006	
1,2-Dichloropropane	< 1.0	1.0	< 4.7	4.7	2	4/26/2006	
1,3,5-Trimethylbenzene	2.3	1.0	11	5.0	2	4/26/2006	
1,3-Butadiene	< 1.0	1.0	< 2.2	2.2	2	4/26/2006	
1,3-Dichlorobenzene	< 1.0	1.0	< 6.1	6.1	2	4/26/2006	
1,4-Dichlorobenzene	< 1.0	1.0	< 6.1	6.1	2	4/26/2006	
2,2,4-Trimethylpentane	< 1.0	1.0	< 4.7	4.7	2	4/26/2006	
2-Butanone (MEK)	2.0	2.0	6.0	6.0	2	4/26/2006	
2-Hexanone	< 2.0	2.0	< 8.3	8.3	2	4/26/2006	
2-Propanol	< 4.0	4.0	< 10	10	2	4/26/2006	
4-Ethyltoluene	4.4	1.0	19	4.4	2	4/26/2006	
4-Methyl-2-pentanone	< 2.0	2.0	< 8.3	8.3	2	4/26/2006	
Acetone	33	10	80	24	2	4/26/2006	
Allyl chloride	< 1.0	1.0	< 1.6	1.6	2	4/26/2006	
Benzene	< 1.0	1.0	< 3.2	3.2	2	4/26/2006	
Benzyl chloride	< 4.0	4.0	< 21	21	2	4/26/2006	
Bromodichloromethane	< 1.0	1.0	< 6.8	6.8	2	4/26/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

Page 7 of 12



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental, Inc.

Date: 28-Apr-06

CLIENT: Mactec
Lab Order: 06041112
Project: South Mesa WQARF/4972-04-2034
Lab ID: 06041112-03A

Client Sample ID: EFF
Tag Number: 01249
Collection Date: 4/13/2006 1:40:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Bromoethene(Vinyl Bromide)	< 1.0	1.0	< 2.2	2.2	2	4/26/2006	
Bromoform	< 1.0	1.0	< 10	10	2	4/26/2006	
Bromomethane	< 1.0	1.0	< 4.0	4.0	2	4/26/2006	
Carbon disulfide	< 1.0	1.0	< 3.2	3.2	2	4/26/2006	
Carbon tetrachloride	< 1.0	1.0	< 6.4	6.4	2	4/26/2006	
Chlorobenzene	< 1.0	1.0	< 4.7	4.7	2	4/26/2006	
Chloroethane	< 1.0	1.0	< 2.7	2.7	2	4/26/2006	
Chloroform	< 1.0	1.0	< 5.0	5.0	2	4/26/2006	
Chloromethane	< 1.0	1.0	< 2.1	2.1	2	4/26/2006	
cis-1,2-Dichloroethene	< 1.0	1.0	< 4.0	4.0	2	4/26/2006	
cis-1,3-Dichloropropene	< 1.0	1.0	< 4.6	4.6	2	4/26/2006	
Cyclohexane	< 1.0	1.0	< 3.5	3.5	2	4/26/2006	
Dibromochloromethane	< 1.0	1.0	< 8.6	8.6	2	4/26/2006	
Dichlorodifluoromethane(F-12)	< 1.0	1.0	< 5.0	5.0	2	4/26/2006	
Dichlorotetrafluoroethane(F-114)	< 1.0	1.0	< 7.1	7.1	2	4/26/2006	
Ethyl Acetate	< 1.0	1.0	< 3.7	3.7	2	4/26/2006	
Ethylbenzene	1.5	1.0	6.6	4.4	2	4/26/2006	
Heptane	< 1.0	1.0	< 4.2	4.2	2	4/26/2006	
Hexachlorobutadiene	< 2.0	2.0	< 22	22	2	4/26/2006	
Hexane	< 1.0	1.0	< 3.6	3.6	2	4/26/2006	
m&p-Xylene	7.3	2.0	32	8.8	2	4/26/2006	
Methyl tert-butyl ether	< 2.0	2.0	< 7.3	7.3	2	4/26/2006	
Methylene chloride	< 1.0	1.0	< 3.5	3.5	2	4/26/2006	
o-Xylene	3.6	1.0	16	4.4	2	4/26/2006	
Propene (Propylene)	1.5	1.0	2.6	1.8	2	4/26/2006	
Styrene	< 1.0	1.0	< 4.3	4.3	2	4/26/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

Page 8 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 28-Apr-06

CLIENT: Mactec
Lab Order: 06041112
Project: South Mesa WQARF/4972-04-2034
Lab ID: 06041112-03A

Client Sample ID: EFF
Tag Number: 01249
Collection Date: 4/13/2006 1:40:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Tetrachloroethene	< 1.0	1.0	< 6.9	6.9	2	4/26/2006	
Tetrahydrofuran	< 4.0	4.0	< 12	12	2	4/26/2006	
Toluene	4.9	1.0	19	3.8	2	4/26/2006	
trans-1,2-Dichloroethene	< 1.0	1.0	< 4.0	4.0	2	4/26/2006	
trans-1,3-Dichloropropene	< 1.0	1.0	< 4.6	4.6	2	4/26/2006	
Trichloroethene	< 1.0	1.0	< 5.5	5.5	2	4/26/2006	
Trichlorofluoromethane(F-11)	< 1.0	1.0	< 5.7	5.7	2	4/26/2006	
Trichlorotrifluoroethane(F-113)	< 1.0	1.0	< 7.8	7.8	2	4/26/2006	
Vinyl acetate	< 1.0	1.0	< 3.6	3.6	2	4/26/2006	
Vinyl chloride	< 1.0	1.0	< 2.6	2.6	2	4/26/2006	
Surr: 4-Bromofluorobenzene	105 %REC	70-130	-	-	2	4/26/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

Page 9 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 28-Apr-06

CLIENT: Mactec
Lab Order: 06041112
Project: South Mesa WQARF/4972-04-2034
Lab ID: 06041112-04A

Client Sample ID: VW-7B
Tag Number: 01422
Collection Date: 4/13/2006 2:15:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: K				
1,1,1-Trichloroethane	< 10	10	< 55	55	20	4/25/2005	
1,1,2,2-Tetrachloroethane	< 10	10	< 70	70	20	4/25/2005	
1,1,2-Trichloroethane	< 10	10	< 55	55	20	4/25/2005	
1,1-Dichloroethane	28	10	120	41	20	4/25/2005	
1,1-Dichloroethene	23	10	93	40	20	4/25/2005	
1,2,4-Trichlorobenzene	< 40	40	< 300	300	20	4/25/2005	
1,2,4-Trimethylbenzene	< 10	10	< 50	50	20	4/25/2005	
1,2-Dibromoethane	< 10	10	< 78	78	20	4/25/2005	
1,2-Dichlorobenzene	< 10	10	< 61	61	20	4/25/2005	
1,2-Dichloroethane	< 10	10	< 41	41	20	4/25/2005	
1,2-Dichloropropane	< 10	10	< 47	47	20	4/25/2005	
1,3,5-Trimethylbenzene	< 10	10	< 50	50	20	4/25/2005	
1,3-Butadiene	< 10	10	< 22	22	20	4/25/2005	
1,3-Dichlorobenzene	< 10	10	< 61	61	20	4/25/2005	
1,4-Dichlorobenzene	< 10	10	< 61	61	20	4/25/2005	
2,2,4-Trimethylpentane	< 10	10	< 47	47	20	4/25/2005	
2-Butanone (MEK)	< 20	20	< 60	60	20	4/25/2005	
2-Hexanone	< 20	20	< 83	83	20	4/25/2005	
2-Propanol	< 40	40	< 100	100	20	4/25/2005	
4-Ethyltoluene	< 10	10	< 44	44	20	4/25/2005	
4-Methyl-2-pentanone	< 20	20	< 83	83	20	4/25/2005	
Acetone	< 100	100	< 240	240	20	4/25/2005	
Allyl chloride	< 10	10	< 16	16	20	4/25/2005	
Benzene	< 10	10	< 32	32	20	4/25/2005	
Benzyl chloride	< 40	40	< 210	210	20	4/25/2005	
Bromodichloromethane	< 10	10	< 68	68	20	4/25/2005	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

Page 10 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 28-Apr-06

CLIENT: Mactec
Lab Order: 06041112
Project: South Mesa WQARF/4972-04-2034
Lab ID: 06041112-04A

Client Sample ID: VW-7B
Tag Number: 01422
Collection Date: 4/13/2006 2:15:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Bromoethene(Vinyl Bromide)	< 10	10	< 22	22	20	4/25/2005	
Bromoform	< 10	10	< 100	100	20	4/25/2005	
Bromomethane	< 10	10	< 40	40	20	4/25/2005	
Carbon disulfide	< 10	10	< 32	32	20	4/25/2005	
Carbon tetrachloride	< 10	10	< 64	64	20	4/25/2005	
Chlorobenzene	< 10	10	< 47	47	20	4/25/2005	
Chloroethane	< 10	10	< 27	27	20	4/25/2005	
Chloroform	< 10	10	< 50	50	20	4/25/2005	
Chloromethane	< 10	10	< 21	21	20	4/25/2005	
cis-1,2-Dichloroethene	< 10	10	< 40	40	20	4/25/2005	
cis-1,3-Dichloropropene	< 10	10	< 46	46	20	4/25/2005	
Cyclohexane	< 10	10	< 35	35	20	4/25/2005	
Dibromochloromethane	< 10	10	< 86	86	20	4/25/2005	
Dichlorodifluoromethane(F-12)	< 10	10	< 50	50	20	4/25/2005	
Dichlorotetrafluoroethane(F-114)	< 10	10	< 71	71	20	4/25/2005	
Ethyl Acetate	< 10	10	< 37	37	20	4/25/2005	
Ethylbenzene	< 10	10	< 44	44	20	4/25/2005	
Heptane	< 10	10	< 42	42	20	4/25/2005	
Hexachlorobutadiene	< 20	20	< 220	220	20	4/25/2005	
Hexane	< 10	10	< 36	36	20	4/25/2005	
m&p-Xylene	< 20	20	< 88	88	20	4/25/2005	
Methyl tert-butyl ether	< 20	20	< 73	73	20	4/25/2005	
Methylene chloride	< 10	10	< 35	35	20	4/25/2005	
o-Xylene	< 10	10	< 44	44	20	4/25/2005	
Propene (Propylene)	< 10	10	< 18	18	20	4/25/2005	
Styrene	< 10	10	< 43	43	20	4/25/2005	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

Page 11 of 12



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental, Inc.

Date: 28-Apr-06

CLIENT:	Mactec	Client Sample ID:	VW-7B
Lab Order:	06041112	Tag Number:	01422
Project:	South Mesa WQARF/4972-04-2034	Collection Date:	4/13/2006 2:15:00 PM
Lab ID:	06041112-04A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Tetrachloroethene	480	10	3300	69	D2	20	4/25/2005
Tetrahydrofuran	< 40	40	< 120	120		20	4/25/2005
Toluene	< 10	10	< 38	38		20	4/25/2005
trans-1,2-Dichloroethene	< 10	10	< 40	40		20	4/25/2005
trans-1,3-Dichloropropene	< 10	10	< 46	46		20	4/25/2005
Trichloroethene	< 10	10	< 55	55		20	4/25/2005
Trichlorofluoromethane(F-11)	< 10	10	< 57	57		20	4/25/2005
Trichlorotrifluoroethane(F-113)	< 10	10	< 78	78		20	4/25/2005
Vinyl acetate	< 10	10	< 36	36		20	4/25/2005
Vinyl chloride	< 10	10	< 26	26		20	4/25/2005
Surr: 4-Bromofluorobenzene	103 %REC	70-130	-	-		20	4/25/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 12 of 12

Aerotech Environmental, Inc.

Date: 28-Apr-06

CLIENT:

Mactec

Work Order: 06041112

ANALYTICAL QC SUMMARY REPORT

Project: South Mesa WQARF/4972-04-2034

TestCode: TO15

Sample ID: MB-R73255	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73255						
Client ID:	Batch ID: R73255	TestNo: TO15		Analysis Date: 4/25/2005	SeqNo: 871419						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	<0.50	0.50									
1,1,2,2-Tetrachloroethane	<0.50	0.50									
1,1,2-Trichloroethane	<0.50	0.50									
1,1-Dichloroethane	<0.50	0.50									
1,1-Dichloroethene	<0.50	0.50									
1,2,4-Trichlorobenzene	<2.0	2.0									
1,2,4-Trimethylbenzene	<0.50	0.50									
1,2-Dibromoethane	<0.50	0.50									
1,2-Dichlorobenzene	<0.50	0.50									
1,2-Dichloroethane	<0.50	0.50									
1,2-Dichloropropane	<0.50	0.50									
1,3,5-Trimethylbenzene	<0.50	0.50									
1,3-Butadiene	<0.50	0.50									
1,3-Dichlorobenzene	<0.50	0.50									
1,4-Dichlorobenzene	<0.50	0.50									
2,2,4-Trimethylpentane	<0.50	0.50									
2-Butanone (MEK)	<1.0	1.0									
2-Hexanone	<1.0	1.0									
2-Propanol	<2.0	2.0									
4-Ethyltoluene	<0.50	0.50									
4-Methyl-2-pentanone	<1.0	1.0									
Acetone	<5.0	5.0									
Allyl chloride	<0.50	0.50									
Benzene	<0.50	0.50									
Benzyl chloride	<2.0	2.0									
Bromodichloromethane	<0.50	0.50									
Bromoethene(Vinyl Bromide)	<0.50	0.50									
Bromoform	<0.50	0.50									

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits



AeroTech Environmental Laboratories

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CLIENT:

Mactec

Work Order:

06041112

Project:

South Mesa WQARF/4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R73255	Sample Type: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73255						
Client ID:	Batch ID: R73255	TestNo: TO15		Analysis Date: 4/25/2005	SeqNo: 871419						
Analyte	Result	PQL	SPK value	SPK RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual

Bromomethane	<0.50	0.50									
Carbon disulfide	<0.50	0.50									
Carbon tetrachloride	<0.50	0.50									
Chlorobenzene	<0.50	0.50									
Chloroethane	<0.50	0.50									
Chloroform	<0.50	0.50									
Chloromethane	<0.50	0.50									
dis-1,2-Dichloroethene	<0.50	0.50									
dis-1,3-Dichloropropene	<0.50	0.50									
Cyclohexane	<0.50	0.50									
Dibromochloromethane	<0.50	0.50									
Dichlorodifluoromethane(F-12)	<0.50	0.50									
Dichlorotetrafluoroethane(F-114)	<0.50	0.50									
Ethyl Acetate	<0.50	0.50									
Ethylbenzene	<0.50	0.50									
Heptane	<0.50	0.50									
Hexachlorobutadiene	<1.0	1.0									
Hexane	<0.50	0.50									
m&p-Xylene	<1.0	1.0									
Methyl tert-butyl ether	<1.0	1.0									
Methylene chloride	<0.50	0.50									
o-Xylene	<0.50	0.50									
Propene (Propylene)	<0.50	0.50									
Styrene	<0.50	0.50									
Tetrachloroethene	<0.50	0.50									
Tetrahydrofuran	<2.0	2.0									
Toluene	<0.50	0.50									
trans-1,2-Dichloroethene	<0.50	0.50									
trans-1,3-Dichloropropene	<0.50	0.50									

Qualifiers: E Value above quantitation range

ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits

J Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits

CLIENT: Mactec

Work Order: 06041112

Project: South Mesa WQARE/4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R73255	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73255						
Client ID:	Batch ID: R73255	TestNo: TO15		Analysis Date: 4/25/2005	SeqNo: 871419						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichloroethene	<0.50	0.50									
Trichlorofluoromethane(F-11)	<0.50	0.50									
Trichlorotrifluoroethane(F-113)	<0.50	0.50									
Vinyl acetate	<0.50	0.50									
Vinyl chloride	<0.50	0.50									
Surr: 4-Bromofluorobenzene	9.950	0.50	10	0	99.5	70	130				

Sample ID: MB-R73319	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73319						
Client ID:	Batch ID: R73319	TestNo: TO15		Analysis Date: 4/26/2006	SeqNo: 872168						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane	<0.50	0.50									
1,1,2,2-Tetrachloroethane	<0.50	0.50									
1,1,2-Trichloroethane	<0.50	0.50									
1,1-Dichloroethane	<0.50	0.50									
1,1-Dichloroethene	<0.50	0.50									
1,2,4-Trichlorobenzene	<2.0	2.0									
1,2,4-Trimethylbenzene	<0.50	0.50									
1,2-Dibromoethane	<0.50	0.50									
1,2-Dichlorobenzene	<0.50	0.50									
1,2-Dichloroethane	<0.50	0.50									
1,2-Dichloropropane	<0.50	0.50									
1,3,5-Trimethylbenzene	<0.50	0.50									
1,3-Butadiene	<0.50	0.50									
1,3-Dichlorobenzene	<0.50	0.50									
1,4-Dichlorobenzene	<0.50	0.50									
2,2,4-Trimethylpentane	<0.50	0.50									
2-Butanone (MEK)	<1.0	1.0									
2-Hexanone	<1.0	1.0									

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits



AEROTECH LABORATORIES

a division of Aerotech Laboratories, Inc.

CLIENT: Mactec

Work Order: 06041112

Project: South Mesa WQARF/4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R73319	Sample Type: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73319						
Client ID:	Batch ID: R73319	TestNo: TO15		Analysis Date: 4/26/2006	SeqNo: 872168						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

2-Propanol	<2.0	2.0									
4-Ethyltoluene	<0.50	0.50									
4-Methyl-2-pentanone	<1.0	1.0									
Acetone	<5.0	5.0									
Allyl chloride	<0.50	0.50									
Benzene	<0.50	0.50									
Benzyl chloride	<2.0	2.0									
Bromodichloromethane	<0.50	0.50									
Bromoethene(Vinyl Bromide)	<0.50	0.50									
Bromoform	<0.50	0.50									
Bromomethane	<0.50	0.50									
Carbon disulfide	<0.50	0.50									
Carbon tetrachloride	<0.50	0.50									
Chlorobenzene	<0.50	0.50									
Chloroethane	<0.50	0.50									
Chloroform	<0.50	0.50									
Chloromethane	<0.50	0.50									
dis-1,2-Dichloroethane	<0.50	0.50									
dis-1,3-Dichloropropene	<0.50	0.50									
Cyclohexane	<0.50	0.50									
Dibromochloromethane	<0.50	0.50									
Dichlorodifluoromethane(F-12)	<0.50	0.50									
Dichlorotetrafluoroethane(F-114)	<0.50	0.50									
Ethyl Acetate	<0.50	0.50									
Ethylbenzene	<0.50	0.50									
Heptane	<0.50	0.50									
Hexachlorobutadiene	<1.0	1.0									
Hexane	<0.50	0.50									
m&p-Xylene	<1.0	1.0									

Qualifiers: E Value above quantitation range

ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits

J Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits

CLIENT: Mactec
Work Order: 06041112
Project: South Mesa WQARF/4972-04-2034
TestCode: TO15

ANALYTICAL QC SUMMARY REPORT

Sample ID: MB-R73319	SampleType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73319						
Client ID:	Batch ID: R73319	TestNo: TO15		Analysis Date: 4/26/2006	SeqNo: 872168						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	<1.0	1.0									
Methylene chloride	<0.50	0.50									
o-Xylene	<0.50	0.50									
Propene (Propylene)	<0.50	0.50									
Styrene	<0.50	0.50									
Tetrachloroethene	<0.50	0.50									
Tetrahydrofuran	<2.0	2.0									
Toluene	<0.50	0.50									
trans-1,2-Dichloroethene	<0.50	0.50									
trans-1,3-Dichloropropene	<0.50	0.50									
Trichloroethene	<0.50	0.50									
Trichlorofluoromethane(F-11)	<0.50	0.50									
Trichlorotrifluoroethane(F-113)	<0.50	0.50									
Vinyl acetate	<0.50	0.50									
Vinyl chloride	<0.50	0.50									
Surr: 4-Bromofluorobenzene	10.24	0.50	10	0	102	70	130				

Sample ID: LCS-R73255	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73255						
Client ID:	Batch ID: R73255	TestNo: TO15		Analysis Date: 4/25/2006	SeqNo: 871420						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	8.710	0.50	10	0	87.1	65	135				
1,1,2,2-Tetrachloroethane	8.320	0.50	10	0	83.2	65	135				
1,1,2-Trichloroethane	8.670	0.50	10	0	86.7	65	135				
1,1-Dichloroethane	8.550	0.50	10	0	85.5	65	135				
1,1-Dichloroethene	8.720	0.50	10	0	87.2	65	135				
1,2,4-Trichlorobenzene	7.130	2.0	10	0	71.3	65	135				
1,2,4-Trimethylbenzene	8.530	0.50	10	0	85.3	65	135				
1,2-Dibromoethane	8.640	0.50	10	0	86.4	65	135				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits



AEROVITAL ENVIRONMENTAL LABORATORIES

a division of Aerotech Laboratories, Inc.

CLIENT: Mactec

Work Order: 06041112

Project: South Mesa WQARE/4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R73255	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73255						
Client ID:	Batch ID: R73255	TestNo: TO15		Analysis Date: 4/25/2006	SeqNo: 871420						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichlorobenzene	8.240	0.50	10	0	82.4	65	135				
1,2-Dichloroethane	8.770	0.50	10	0	87.7	65	135				
1,2-Dichloropropane	8.430	0.50	10	0	84.3	65	135				
1,3,5-Trimethylbenzene	8.570	0.50	10	0	85.7	65	135				
1,3-Butadiene	8.610	0.50	10	0	86.1	65	135				
1,3-Dichlorobenzene	8.310	0.50	10	0	83.1	65	135				
1,4-Dichlorobenzene	8.200	0.50	10	0	82.0	65	135				
2,2,4-Trimethylpentane	8.470	0.50	10	0	84.7	65	135				
2-Butanone (MEK)	8.800	1.0	10	0	88.0	65	135				
2-Hexanone	8.390	1.0	10	0	83.9	65	135				
2-Propanol	7.150	2.0	10	0	71.5	65	135				
4-Ethyltoluene	8.590	0.50	10	0	85.9	65	135				
4-Methyl-2-pentanone	8.770	1.0	10	0	87.7	65	135				
Acetone	8.040	5.0	10	0	80.4	65	135				
Allyl chloride	8.570	0.50	10	0	85.7	65	135				
Benzene	8.410	0.50	10	0	84.1	65	135				
Benzyl chloride	7.160	2.0	10	0	71.6	65	135				
Bromodichloromethane	8.800	0.50	10	0	88.0	65	135				
Bromoethene(Vinyl Bromide)	8.760	0.50	10	0	87.6	65	135				
Bromoform	8.530	0.50	10	0	85.3	65	135				
Bromomethane	8.830	0.50	10	0	88.3	65	135				
Carbon disulfide	8.470	0.50	10	0	84.7	65	135				
Carbon tetrachloride	8.770	0.50	10	0	87.7	65	135				
Chlorobenzene	8.450	0.50	10	0	84.5	65	135				
Chloroethane	8.540	0.50	10	0	85.4	65	135				
Chloroform	8.590	0.50	10	0	85.9	65	135				
Chloromethane	8.700	0.50	10	0	87.0	65	135				
cis-1,2-Dichloroethene	8.600	0.50	10	0	86.0	65	135				
cis-1,3-Dichloropropene	8.890	0.50	10	0	88.9	65	135				

Qualifiers: E Value above quantitation range

ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits

J Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits

CLIENT: Mactec

Work Order: 06041112

Project: South Mesa WQARF/4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R73255	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73255						
Client ID:	Batch ID: R73255	TestNo: TO15		Analysis Date: 4/25/2006	SeqNo: 871420						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyclohexane	8.600	0.50	10	0	86.0	65	135				
Dibromochloromethane	8.730	0.50	10	0	87.3	65	135				
Dichlorodifluoromethane(F-12)	8.670	0.50	10	0	86.7	65	135				
Dichlorotetrafluoroethane(F-114)	8.710	0.50	10	0	87.1	65	135				
Ethyl Acetate	8.690	0.50	10	0	86.9	65	135				
Ethylbenzene	8.570	0.50	10	0	85.7	65	135				
Heptane	8.550	0.50	10	0	85.5	65	135				
Hexachlorobutadiene	8.560	1.0	10	0	85.6	65	135				
Hexane	8.860	0.50	10	0	88.6	65	135				
m&p-Xylene	17.17	1.0	20	0	85.8	65	135				
Methyl tert-butyl ether	8.590	1.0	10	0	85.9	65	135				
Methylene chloride	8.150	0.50	10	0	81.5	65	135				
o-Xylene	8.500	0.50	10	0	85.0	65	135				
Propene (Propylene)	8.560	0.50	10	0	85.6	65	135				
Styrene	8.690	0.50	10	0	86.9	65	135				
Tetrachloroethene	8.620	0.50	10	0	86.2	65	135				
Tetrahydrofuran	8.700	2.0	10	0	87.0	65	135				
Toluene	8.550	0.50	10	0	85.5	65	135				
trans-1,2-Dichloroethene	8.480	0.50	10	0	84.8	65	135				
trans-1,3-Dichloropropene	8.920	0.50	10	0	89.2	65	135				
Trichloroethene	8.600	0.50	10	0	86.0	65	135				
Trichlorofluoromethane(F-11)	8.910	0.50	10	0	89.1	65	135				
Trichlorotrifluoroethane(F-113)	8.500	0.50	10	0	85.0	65	135				
Vinyl acetate	8.640	0.50	10	0	86.4	65	135				
Vinyl chloride	8.720	0.50	10	0	87.2	65	135				
Surr: 4-Bromofluorobenzene	10.45	0.50	10	0	104	70	130				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits



CLIENT: Macotec
Work Order: 06041112
Project: South Mesa WQARE/4972-04-2034
TestCode: TO15

ANALYTICAL QC SUMMARY REPORT

Sample ID: LCS-R73319	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73319						
Client ID:	Batch ID: R73319	TestNo: TO15		Analysis Date: 4/26/2006	SeqNo: 872191						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	8.780	0.50	10	0	87.8	65	135				
1,1,2,2-Tetrachloroethane	8.290	0.50	10	0	82.9	65	135				
1,1,2-Trichloroethane	8.620	0.50	10	0	86.2	65	135				
1,1-Dichloroethane	8.550	0.50	10	0	85.5	65	135				
1,1-Dichloroethene	8.710	0.50	10	0	87.1	65	135				
1,2,4-Trichlorobenzene	7.030	2.0	10	0	70.3	65	135				
1,2,4-Trimethylbenzene	8.480	0.50	10	0	84.8	65	135				
1,2-Dibromoethane	8.610	0.50	10	0	86.1	65	135				
1,2-Dichlorobenzene	8.180	0.50	10	0	81.8	65	135				
1,2-Dichloroethane	8.790	0.50	10	0	87.9	65	135				
1,2-Dichloropropane	8.500	0.50	10	0	85.0	65	135				
1,3,5-Trimethylbenzene	8.530	0.50	10	0	85.3	65	135				
1,3-Butadiene	8.660	0.50	10	0	86.6	65	135				
1,3-Dichlorobenzene	8.230	0.50	10	0	82.3	65	135				
1,4-Dichlorobenzene	8.180	0.50	10	0	81.8	65	135				
2,2,4-Trimethylpentane	8.500	0.50	10	0	85.0	65	135				
2-Butanone (MEK)	8.790	1.0	10	0	87.9	65	135				
2-Hexanone	8.800	1.0	10	0	88.0	65	135				
2-Propanol	7.740	2.0	10	0	77.4	65	135				
4-Ethyltoluene	8.530	0.50	10	0	85.3	65	135				
4-Methyl-2-pentanone	9.000	1.0	10	0	90.0	65	135				
Acetone	8.040	5.0	10	0	80.4	65	135				
Allyl chloride	8.660	0.50	10	0	86.6	65	135				
Benzene	8.370	0.50	10	0	83.7	65	135				
Benzyl chloride	7.690	2.0	10	0	76.9	65	135				
Bromodichloromethane	8.790	0.50	10	0	87.9	65	135				
Bromoethene(Vinyl Bromide)	8.740	0.50	10	0	87.4	65	135				
Bromoform	8.490	0.50	10	0	84.9	65	135				
Bromomethane	8.820	0.50	10	0	88.2	65	135				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Mactec

Work Order: 06041112

Project: South Mesa WQARF/4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R73319	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73319						
Client ID:	Batch ID: R73319	TestNo: TO15		Analysis Date: 4/26/2006	SeqNo: 872191						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	8.470	0.50	10	0	84.7	65	135				
Carbon tetrachloride	8.780	0.50	10	0	87.8	65	135				
Chlorobenzene	8.370	0.50	10	0	83.7	65	135				
Chloroethane	8.600	0.50	10	0	86.0	65	135				
Chloroform	8.560	0.50	10	0	85.6	65	135				
Chloromethane	8.780	0.50	10	0	87.8	65	135				
cis-1,2-Dichloroethene	8.540	0.50	10	0	85.4	65	135				
cis-1,3-Dichloropropene	8.980	0.50	10	0	89.8	65	135				
Cyclohexane	8.570	0.50	10	0	85.7	65	135				
Dibromochloromethane	8.690	0.50	10	0	86.9	65	135				
Dichlorodifluoromethane(F-12)	8.700	0.50	10	0	87.0	65	135				
Dichlorotetrafluoroethane(F-114)	8.750	0.50	10	0	87.5	65	135				
Ethyl Acetate	8.960	0.50	10	0	89.6	65	135				
Ethylbenzene	8.520	0.50	10	0	85.2	65	135				
Heptane	8.550	0.50	10	0	85.5	65	135				
Hexachlorobutadiene	8.380	1.0	10	0	83.8	65	135				
Hexane	8.820	0.50	10	0	88.2	65	135				
m&p-Xylene	17.09	1.0	20	0	85.4	65	135				
Methyl tert-butyl ether	9.030	1.0	10	0	90.3	65	135				
Methylene chloride	8.100	0.50	10	0	81.0	65	135				
o-Xylene	8.470	0.50	10	0	84.7	65	135				
Propene (Propylene)	8.850	0.50	10	0	88.5	65	135				
Styrene	8.540	0.50	10	0	85.4	65	135				
Tetrachloroethene	8.560	0.50	10	0	85.6	65	135				
Tetrahydrofuran	8.880	2.0	10	0	88.8	65	135				
Toluene	8.540	0.50	10	0	85.4	65	135				
trans-1,2-Dichloroethene	8.420	0.50	10	0	84.2	65	135				
trans-1,3-Dichloropropene	9.060	0.50	10	0	90.6	65	135				
Trichloroethene	8.580	0.50	10	0	85.8	65	135				

Qualifiers: E Value above quantization range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Mactec

Work Order: 06041112

Project: South Mesa WQARF/4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R73319	SampleType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73319						
Client ID:	Batch ID: R73319	TestNo: TO15		Analysis Date: 4/26/2006	SeqNo: 872191						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: LCSD-R73255	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73255						
Client ID:	Batch ID: R73255	TestNo: TO15		Analysis Date: 4/25/2006	SeqNo: 871421						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	8.660	0.50	10	0	86.6	65	135	8.710	0.576	25	
1,1,2,2-Tetrachloroethane	8.330	0.50	10	0	83.3	65	135	8.320	0.120	25	
1,1,2-Trichloroethane	8.500	0.50	10	0	85.0	65	135	8.670	1.98	25	
1,1-Dichloroethane	8.520	0.50	10	0	85.2	65	135	8.550	0.351	25	
1,1-Dichloroethene	8.640	0.50	10	0	86.4	65	135	8.720	0.922	25	
1,2,4-Trichlorobenzene	7.340	2.0	10	0	73.4	65	135	7.130	2.90	25	
1,2,4-Trimethylbenzene	8.540	0.50	10	0	85.4	65	135	8.530	0.117	25	
1,2-Dibromoethane	8.540	0.50	10	0	85.4	65	135	8.640	1.16	25	
1,2-Dichlorobenzene	8.300	0.50	10	0	83.0	65	135	8.240	0.726	25	
1,2-Dichloroethane	8.680	0.50	10	0	86.8	65	135	8.770	1.03	25	
1,2-Dichloropropane	8.360	0.50	10	0	83.6	65	135	8.430	0.834	25	
1,3,5-Trimethylbenzene	8.580	0.50	10	0	85.8	65	135	8.570	0.117	25	
1,3-Butadiene	8.540	0.50	10	0	85.4	65	135	8.610	0.816	25	
1,3-Dichlorobenzene	8.360	0.50	10	0	83.6	65	135	8.310	0.600	25	
1,4-Dichlorobenzene	8.310	0.50	10	0	83.1	65	135	8.200	1.33	25	
2,2,4-Trimethylpentane	8.380	0.50	10	0	83.8	65	135	8.470	1.07	25	
2-Butanone (MEK)	8.830	1.0	10	0	88.3	65	135	8.800	0.340	25	
2-Hexanone	8.560	1.0	10	0	85.6	65	135	8.390	2.01	25	
2-Propanol	7.460	2.0	10	0	74.6	65	135	7.150	4.24	25	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Mactec

Work Order: 06041112

Project: South Mesa WQARF/4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCSD-R73255	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73255						
Client ID:	Batch ID: R73255	TestNo: TO15		Analysis Date: 4/25/2006	SeqNo: 871421						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Ethyltoluene	8.600	0.50	10	0	86.0	65	135	8.590	0.116	25	
4-Methyl-2-pentanone	8.790	1.0	10	0	87.9	65	135	8.770	0.228	25	
Acetone	7.980	5.0	10	0	79.8	65	135	8.040	0.749	25	
Allyl chloride	8.580	0.50	10	0	85.8	65	135	8.570	0.117	25	
Benzene	8.400	0.50	10	0	84.0	65	135	8.410	0.119	25	
Benzyl chloride	7.320	2.0	10	0	73.2	65	135	7.160	2.21	25	
Bromodichloromethane	8.610	0.50	10	0	86.1	65	135	8.800	2.18	25	
Bromoethene(Vinyl Bromide)	8.700	0.50	10	0	87.0	65	135	8.760	0.687	25	
Bromoform	8.500	0.50	10	0	85.0	65	135	8.530	0.352	25	
Bromomethane	8.810	0.50	10	0	88.1	65	135	8.830	0.227	25	
Carbon disulfide	8.460	0.50	10	0	84.6	65	135	8.470	0.118	25	
Carbon tetrachloride	8.660	0.50	10	0	86.6	65	135	8.770	1.26	25	
Chlorobenzene	8.410	0.50	10	0	84.1	65	135	8.450	0.474	25	
Chloroethane	8.570	0.50	10	0	85.7	65	135	8.540	0.351	25	
Chloroform	8.530	0.50	10	0	85.3	65	135	8.590	0.701	25	
Chloromethane	8.670	0.50	10	0	86.7	65	135	8.700	0.345	25	
cis-1,2-Dichloroethene	8.580	0.50	10	0	85.8	65	135	8.600	0.233	25	
cis-1,3-Dichloropropene	8.890	0.50	10	0	88.9	65	135	8.890	0	25	
Cyclohexane	8.560	0.50	10	0	85.6	65	135	8.600	0.466	25	
Dibromochloromethane	8.630	0.50	10	0	86.3	65	135	8.730	1.15	25	
Dichlorodifluoromethane(F-12)	8.680	0.50	10	0	86.8	65	135	8.670	0.115	25	
Dichlorotetrafluoroethane(F-114)	8.660	0.50	10	0	86.6	65	135	8.710	0.576	25	
Ethyl Acetate	8.770	0.50	10	0	87.7	65	135	8.690	0.916	25	
Ethylbenzene	8.550	0.50	10	0	85.5	65	135	8.570	0.234	25	
Heptane	8.410	0.50	10	0	84.1	65	135	8.550	1.65	25	
Hexachlorobutadiene	8.550	1.0	10	0	85.5	65	135	8.560	0.117	25	
Hexane	8.810	0.50	10	0	88.1	65	135	8.860	0.566	25	
m&p-Xylene	16.63	1.0	20	0	83.2	65	135	17.17	3.20	25	
Methyl tert-butyl ether	8.750	1.0	10	0	87.5	65	135	8.590	1.85	25	

Qualifiers: E Value above quantitation range

ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits

J Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits



CLIENT: Mactec

Work Order: 06041112

Project: South Mesa WQARF/4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCSD-R73255	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73255						
Client ID:	Batch ID: R73255	TestNo: TO15		Analysis Date: 4/25/2006	SeqNo: 871421						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methylene chloride	8.020	0.50	10	0	80.2	65	135	8.150	1.61	25	
o-Xylene	8.520	0.50	10	0	85.2	65	135	8.500	0.235	25	
Propene (Propylene)	8.830	0.50	10	0	88.3	65	135	8.560	3.11	25	
Styrene	8.690	0.50	10	0	86.9	65	135	8.690	0	25	
Tetrachloroethene	8.510	0.50	10	0	85.1	65	135	8.620	1.28	25	
Tetrahydrofuran	8.780	2.0	10	0	87.8	65	135	8.700	0.915	25	
Toluene	8.520	0.50	10	0	85.2	65	135	8.550	0.351	25	
trans-1,2-Dichloroethene	8.440	0.50	10	0	84.4	65	135	8.480	0.473	25	
trans-1,3-Dichloropropene	8.930	0.50	10	0	89.3	65	135	8.920	0.112	25	
Trichloroethene	8.580	0.50	10	0	85.8	65	135	8.600	0.233	25	
Trichlorofluoromethane(F-11)	8.790	0.50	10	0	87.9	65	135	8.910	1.36	25	
Trichlorotrifluoroethane(F-113)	8.490	0.50	10	0	84.9	65	135	8.500	0.118	25	
Vinyl acetate	8.790	0.50	10	0	87.9	65	135	8.640	1.72	25	
Vinyl chloride	8.650	0.50	10	0	86.5	65	135	8.720	0.806	25	
Surr: 4-Bromofluorobenzene	10.38	0.50	10	0	104	70	130	10.45	0	0	

Sample ID: LCSD-R73319	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73319						
Client ID:	Batch ID: R73319	TestNo: TO15		Analysis Date: 4/26/2006	SeqNo: 872192						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	8.900	0.50	10	0	89.0	65	135	8.780	1.36	25	
1,1,2,2-Tetrachloroethane	8.520	0.50	10	0	85.2	65	135	8.290	2.74	25	
1,1,2-Trichloroethane	8.660	0.50	10	0	86.6	65	135	8.620	0.463	25	
1,1-Dichloroethane	8.650	0.50	10	0	86.5	65	135	8.550	1.16	25	
1,1-Dichloroethene	8.810	0.50	10	0	88.1	65	135	8.710	1.14	25	
1,2,4-Trichlorobenzene	7.340	2.0	10	0	73.4	65	135	7.030	4.31	25	
1,2,4-Trimethylbenzene	8.730	0.50	10	0	87.3	65	135	8.480	2.91	25	
1,2-Dibromoethane	8.690	0.50	10	0	86.9	65	135	8.610	0.925	25	
1,2-Dichlorobenzene	8.500	0.50	10	0	85.0	65	135	8.180	3.84	25	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Mactec

Work Order: 06041112

Project: South Mesa WQARF/4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCSD-R73319	SampleType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73319						
Client ID:	Batch ID: R73319	TestNo: TO15		Analysis Date: 4/26/2006	SeqNo: 872192						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane	8.900	0.50	10	0	89.0	65	135	8.790	1.24	25	
1,2-Dichloropropane	8.570	0.50	10	0	85.7	65	135	8.500	0.820	25	
1,3,5-Trimethylbenzene	8.720	0.50	10	0	87.2	65	135	8.530	2.20	25	
1,3-Butadiene	8.750	0.50	10	0	87.5	65	135	8.660	1.03	25	
1,3-Dichlorobenzene	8.510	0.50	10	0	85.1	65	135	8.230	3.35	25	
1,4-Dichlorobenzene	8.500	0.50	10	0	85.0	65	135	8.180	3.84	25	
2,2,4-Trimethylpentane	8.550	0.50	10	0	85.5	65	135	8.500	0.587	25	
2-Butanone (MEK)	8.930	1.0	10	0	89.3	65	135	8.790	1.58	25	
2-Hexanone	8.900	1.0	10	0	89.0	65	135	8.800	1.13	25	
2-Propanol	7.870	2.0	10	0	78.7	65	135	7.740	1.67	25	
4-Ethyltoluene	8.800	0.50	10	0	88.0	65	135	8.530	3.12	25	
4-Methyl-2-pentanone	9.050	1.0	10	0	90.5	65	135	9.000	0.554	25	
Acetone	8.160	5.0	10	0	81.6	65	135	8.040	1.48	25	
Allyl chloride	8.830	0.50	10	0	88.3	65	135	8.660	1.94	25	
Benzene	8.510	0.50	10	0	85.1	65	135	8.370	1.66	25	
Benzyl chloride	7.970	2.0	10	0	79.7	65	135	7.690	3.58	25	
Bromodichloromethane	8.860	0.50	10	0	88.6	65	135	8.790	0.793	25	
Bromoethene(Vinyl Bromide)	8.860	0.50	10	0	88.6	65	135	8.740	1.36	25	
Bromoform	8.710	0.50	10	0	87.1	65	135	8.490	2.56	25	
Bromomethane	8.920	0.50	10	0	89.2	65	135	8.820	1.13	25	
Carbon disulfide	8.560	0.50	10	0	85.6	65	135	8.470	1.06	25	
Carbon tetrachloride	8.860	0.50	10	0	88.6	65	135	8.780	0.907	25	
Chlorobenzene	8.580	0.50	10	0	85.8	65	135	8.370	2.48	25	
Chloroethane	8.730	0.50	10	0	87.3	65	135	8.600	1.50	25	
Chloroform	8.710	0.50	10	0	87.1	65	135	8.560	1.74	25	
Chloromethane	8.940	0.50	10	0	89.4	65	135	8.780	1.81	25	
cis-1,2-Dichloroethene	8.660	0.50	10	0	86.6	65	135	8.540	1.40	25	
cis-1,3-Dichloropropene	9.060	0.50	10	0	90.6	65	135	8.980	0.887	25	
Cyclohexane	8.740	0.50	10	0	87.4	65	135	8.570	1.96	25	

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits



AEROTECH ENVIRONMENTAL LABORATORIES

a division of Aerotech Laboratories, Inc.

CLIENT: Mactec

Work Order: 06041112

Project: South Mesa WQARF/4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCSD-R73319	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73319						
Client ID:	Batch ID: R73319	TestNo: TO15		Analysis Date: 4/26/2006	SeqNo: 872192						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	8.760	0.50	10	0	87.6	65	135	8.690	0.802	25	
Dichlorodifluoromethane(F-12)	8.800	0.50	10	0	88.0	65	135	8.700	1.14	25	
Dichlorotetrafluoroethane(F-114)	8.820	0.50	10	0	88.2	65	135	8.750	0.797	25	
Ethyl Acetate	9.070	0.50	10	0	90.7	65	135	8.960	1.22	25	
Ethylbenzene	8.690	0.50	10	0	86.9	65	135	8.520	1.98	25	
Heptane	8.630	0.50	10	0	86.3	65	135	8.550	0.931	25	
Hexachlorobutadiene	8.560	1.0	10	0	85.6	65	135	8.380	2.13	25	
Hexane	8.990	0.50	10	0	89.9	65	135	8.820	1.91	25	
m&p-Xylene	16.96	1.0	20	0	84.8	65	135	17.09	0.764	25	
Methyl tert-butyl ether	9.210	1.0	10	0	92.1	65	135	9.030	1.97	25	
Methylene chloride	8.280	0.50	10	0	82.8	65	135	8.100	2.20	25	
o-Xylene	8.670	0.50	10	0	86.7	65	135	8.470	2.33	25	
Propene (Propylene)	9.020	0.50	10	0	90.2	65	135	8.850	1.90	25	
Styrene	8.800	0.50	10	0	88.0	65	135	8.540	3.00	25	
Tetrachloroethene	8.610	0.50	10	0	86.1	65	135	8.560	0.582	25	
Tetrahydrofuran	9.020	2.0	10	0	90.2	65	135	8.880	1.56	25	
Toluene	8.630	0.50	10	0	86.3	65	135	8.540	1.05	25	
trans-1,2-Dichloroethene	8.620	0.50	10	0	86.2	65	135	8.420	2.35	25	
trans-1,3-Dichloropropene	9.160	0.50	10	0	91.6	65	135	9.060	1.10	25	
Trichloroethene	8.590	0.50	10	0	85.9	65	135	8.580	0.116	25	
Trichlorofluoromethane(F-11)	9.020	0.50	10	0	90.2	65	135	8.970	0.556	25	
Trichlorotrifluoroethane(F-113)	8.600	0.50	10	0	86.0	65	135	8.530	0.817	25	
Vinyl acetate	9.210	0.50	10	0	92.1	65	135	9.030	1.97	25	
Vinyl chloride	8.820	0.50	10	0	88.2	65	135	8.400	4.88	25	
Surr: 4-Bromofluorobenzene	10.49	0.50	10	0	105	70	130	10.46	0	0	

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Aerotech Environmental Laboratories Sample Receipt Checklist

Project Checked By: _____

Laboratory Number: <u>06-04-11/2</u>	Checklist completed by: <u>[Signature]</u> <u>4/13/06</u>
Client Name: <u>Mastec</u>	Signature/Date
Matrix: <u>Air</u>	Carrier Name: <u>M. Hummer</u> Date/Time Rec'd: <u>4/13/06 1455</u> By: <u>CMG</u>
Temperature of Samples? <u>Ambient</u>	Circle one: Blue Ice <input type="checkbox"/> Wet Ice <input type="checkbox"/> <u>Not Present</u>

	Yes	No*	Not Present	Soil Containers:
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Brass Sleeve _____
Custody seals intact on shipping container/cooler?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Glass Jar _____
Custody seals intact on sample containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Methanol _____
Chain of Custody present and relinquished/received properly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Plastic Bag _____
Chain of Custody agrees with sample labels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Encore Samplers _____
Samples in proper containers/bottles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sample containers intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
All samples received within holding time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there sufficient sample volume to perform the tests?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	**See Comment about Chlorine and pH
40mL vials for volatiles & SOCs received with zero headspace?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Total number of bottles received: <u>4</u>	IH sample media: <u>1L Canisters</u>			
If applicable, how many sample bottles were shipped from AEL-Tucson?	<u>N/A</u>			<u>X</u>

Number of containers received by preservative and by sample number: (If more than 15 samples are rec'd, please continue on separate sheet(s))

Preservative	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A-General	/	/	/	/											
B-HNO3															
C-H2SO4															
D-HCl															
E-Na2S2O3															
F-NaOH															
G-Sulfide															
H-Na Sulfite															
I-MCAA															
J-Methanol															
K-HAA															
L-Other															

Water-pH acceptable upon receipt? Yes ☐ No ☐ N/A ☒

Preservative & pH	pH of samples upon receipt	If pH requires adjustment, list sample number, and reagent ID. number
Metals <2		
Nutrients <2		
Total Phenols <2		
413 (O&G) <2		
418 (TPH) <2		
Cyanide >12		
Sulfide >9		

*Any No response must be detailed in the comments section below. Contact the PM immediately to determine how to proceed.
Refer to SOP 11-001.04, Section 1.8.6. Continue on back if additional space is needed.

**The holding time for pH and Total Residual Chlorine analysis is immediate. For the most accurate result, the pH and Total Residual Chlorine should be taken in the field within 15 minutes of sampling.

Comments:

Corrective Action:



A division of: Astroch Laboratories, Inc.

- Lab Number:**

Chas. C. H. 2

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Customer Number:		Page 1 of 1	
Customer: MACTEC, INC.		Sampler: MARK HAMMER	
Address: 3630 E. WILSON AVE		Project Name: SANTA MESA	
City, State, Zip: PHX, AZ		Project Number: 4977-04-2034	
Contact: JIM CLARKE		P.O. Number:	
Phone: 602 437-0250		Fax Results: N	
E-Mail Address:		E-Mail Results: N	

Sample Receipt		Turn Around Request	
Temperature: Ambient °C	Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/>	
Custody Seals Intact: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		72 Hours <input type="checkbox"/>	
Total # of Containers: 4		5 working Day <input type="checkbox"/>	
		<input checked="" type="checkbox"/> Standard 10 Working Days	
		Subject to scheduling and availability (surcharges apply)	

Sample Information						
Lab #	Canister Serial #	Model	Sample Identification	Date	Time	Type
01	MACTEC 01445	6, 1, 0.4	INF	4/13/6	1400	AIR
02	00318	6, 1, 0.4	INT		1350	
03	01249	6, 1, 0.4	EFF		1345	
04	01422	6, 1, 0.4	VW-TR		1415	
		6, 1, 0.4				
		6, 1, 0.4				
		6, 1, 0.4				
		6, 1, 0.4				
		6, 1, 0.4				
		6, 1, 0.4				

TO-14 List of TO-15

Instructions / Special Requirements:

Received By:

Analysis performed is subject to the Terms & Conditions available at www.aeroperformance.com or call 866.770.5887 to request a copy.



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Friday, April 28, 2006

Jim Clarke
Mactec
3630 East Wier Avenue
Phoenix, AZ 85040

TEL: (602) 437-0250

FAX (602) 437-3675

RE: South Mesa WQARF/4972-04-2034

Order No.: 06041112

Dear Jim Clarke:

Aerotech Environmental, Inc. received 4 sample(s) on 4/13/2006 for the analyses presented in the following report.

This report includes the following information:

- Case Narrative.
- Analytical Report: includes test results, report limit (Limit), any applicable data qualifier (Qual), units, dilution factor (DF), and date analyzed.
- QC Summary Report.

This communication is intended only for the individual or entity to whom it is directed. It may contain information that is privileged, confidential, or otherwise exempt from disclosure under applicable law. Dissemination, distribution, or copying of this communication by anyone other than the intended recipient, or a duly designated employee or agent of such recipient, is prohibited. If you have received this communication in error, please notify us immediately and destroy this message and all attachments thereto. If you have any questions regarding these test results, please do not hesitate to call.

Sincerely,

for: Lucas Menendez

Customer Service Manager



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental, Inc.

Date: 28-Apr-06

CLIENT: Mactec

Project: South Mesa WQARF/4972-04-2034

Lab Order: 06041112

CASE NARRATIVE

Samples were analyzed using methods outlined in references such as:

Standard Methods for the Examination of Water and Wastewater, 19th Edition, 1995.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Methods for the Determination of Organic Compounds in Drinking Water: Supplement III, EPA/600/R-95/131, August 1995.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

40 CFR, Part 136, Revised 1998. Appendix A to Part 136 - Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater.

NIOSH Manual of Analytical Methods, Fourth Edition, 1994.

Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.

Aerotech Environmental Laboratories (AEL) holds Arizona certification no. AZ0610 and AEL-Tucson holds Arizona certification no. AZ0609.

Aerotech Environmental Laboratories (Laboratory 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.

Analytical Comments:

All method blanks and laboratory control spikes met EPA method and/or laboratory quality control objectives for the analyses included in this report.

Data Qualifiers:

Listed below are the data qualifiers used in your analytical report to explain any analytical or quality control issues. You will find them noted in your report under the column header "QUAL". Any quality control deficiencies that cannot be adequately described by these qualifiers will be addressed in the analytical comments section of this case narrative.

D2 Sample required dilution due to high concentration of target analyte.



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental, Inc.

Date: 28-Apr-06

CLIENT:	Mactec	Client Sample ID:	INF
Lab Order:	06041112	Tag Number:	01445
Project:	South Mesa WQARF/4972-04-2034	Collection Date:	4/13/2006 2:00:00 PM
Lab ID:	06041112-01A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
1,1,1-Trichloroethane	< 5.0	5.0	< 28	28	10	4/26/2006	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	< 35	35	10	4/26/2006	
1,1,2-Trichloroethane	< 5.0	5.0	< 28	28	10	4/26/2006	
1,1-Dichloroethane	5.7	5.0	23	21	10	4/26/2006	
1,1-Dichloroethene	< 5.0	5.0	< 20	20	10	4/26/2006	
1,2,4-Trichlorobenzene	< 20	20	< 150	150	10	4/26/2006	
1,2,4-Trimethylbenzene	5.8	5.0	29	25	10	4/26/2006	
1,2-Dibromoethane	< 5.0	5.0	< 39	39	10	4/26/2006	
1,2-Dichlorobenzene	< 5.0	5.0	< 31	31	10	4/26/2006	
1,2-Dichloroethane	< 5.0	5.0	< 21	21	10	4/26/2006	
1,2-Dichloropropane	< 5.0	5.0	< 24	24	10	4/26/2006	
1,3,5-Trimethylbenzene	< 5.0	5.0	< 25	25	10	4/26/2006	
1,3-Butadiene	< 5.0	5.0	< 11	11	10	4/26/2006	
1,3-Dichlorobenzene	< 5.0	5.0	< 31	31	10	4/26/2006	
1,4-Dichlorobenzene	< 5.0	5.0	< 31	31	10	4/26/2006	
2,2,4-Trimethylpentane	22	5.0	100	24	10	4/26/2006	
2-Butanone (MEK)	< 10	10	< 30	30	10	4/26/2006	
2-Hexanone	< 10	10	< 42	42	10	4/26/2006	
2-Propanol	< 20	20	< 50	50	10	4/26/2006	
4-Ethyltoluene	< 5.0	5.0	< 22	22	10	4/26/2006	
4-Methyl-2-pentanone	< 10	10	< 42	42	10	4/26/2006	
Acetone	< 50	50	< 120	120	10	4/26/2006	
Allyl chloride	< 5.0	5.0	< 8.0	8.0	10	4/26/2006	
Benzene	< 5.0	5.0	< 16	16	10	4/26/2006	
Benzyl chloride	< 20	20	< 110	110	10	4/26/2006	
Bromodichloromethane	< 5.0	5.0	< 34	34	10	4/26/2006	

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 1 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 28-Apr-06

CLIENT: Mactec
Lab Order: 06041112
Project: South Mesa WQARF/4972-04-2034
Lab ID: 06041112-01A

Client Sample ID: INF
Tag Number: 01445
Collection Date: 4/13/2006 2:00:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Bromoethene(Vinyl Bromide)	< 5.0	5.0	< 11	11	10	4/26/2006	
Bromoform	< 5.0	5.0	< 52	52	10	4/26/2006	
Bromomethane	< 5.0	5.0	< 20	20	10	4/26/2006	
Carbon disulfide	< 5.0	5.0	< 16	16	10	4/26/2006	
Carbon tetrachloride	< 5.0	5.0	< 32	32	10	4/26/2006	
Chlorobenzene	< 5.0	5.0	< 24	24	10	4/26/2006	
Chloroethane	< 5.0	5.0	< 13	13	10	4/26/2006	
Chloroform	< 5.0	5.0	< 25	25	10	4/26/2006	
Chloromethane	< 5.0	5.0	< 10	10	10	4/26/2006	
cis-1,2-Dichloroethene	< 5.0	5.0	< 20	20	10	4/26/2006	
cis-1,3-Dichloropropene	< 5.0	5.0	< 23	23	10	4/26/2006	
Cyclohexane	< 5.0	5.0	< 17	17	10	4/26/2006	
Dibromochloromethane	< 5.0	5.0	< 43	43	10	4/26/2006	
Dichlorodifluoromethane(F-12)	< 5.0	5.0	< 25	25	10	4/26/2006	
Dichlorotetrafluoroethane(F-114)	< 5.0	5.0	< 36	36	10	4/26/2006	
Ethyl Acetate	< 5.0	5.0	< 18	18	10	4/26/2006	
Ethylbenzene	< 5.0	5.0	< 22	22	10	4/26/2006	
Heptane	< 5.0	5.0	< 21	21	10	4/26/2006	
Hexachlorobutadiene	< 10	10	< 110	110	10	4/26/2006	
Hexane	< 5.0	5.0	< 18	18	10	4/26/2006	
m&p-Xylene	< 10	10	< 44	44	10	4/26/2006	
Methyl tert-butyl ether	< 10	10	< 37	37	10	4/26/2006	
Methylene chloride	< 5.0	5.0	< 18	18	10	4/26/2006	
o-Xylene	< 5.0	5.0	< 22	22	10	4/26/2006	
Propene (Propylene)	< 5.0	5.0	< 8.8	8.8	10	4/26/2006	
Styrene	< 5.0	5.0	< 22	22	10	4/26/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

Page 2 of 12



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental, Inc.

Date: 28-Apr-06

CLIENT: Mactec
Lab Order: 06041112
Project: South Mesa WQARF/4972-04-2034
Lab ID: 06041112-01A

Client Sample ID: INF
Tag Number: 01445
Collection Date: 4/13/2006 2:00:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15					Analyst: KPD
Tetrachloroethene	160	5.0	1100	34	D2	10	4/26/2006
Tetrahydrofuran	< 20	20	< 60	60		10	4/26/2006
Toluene	< 5.0	5.0	< 19	19		10	4/26/2006
trans-1,2-Dichloroethene	< 5.0	5.0	< 20	20		10	4/26/2006
trans-1,3-Dichloropropene	< 5.0	5.0	< 23	23		10	4/26/2006
Trichloroethene	< 5.0	5.0	< 28	28		10	4/26/2006
Trichlorofluoromethane(F-11)	< 5.0	5.0	< 28	28		10	4/26/2006
Trichlorotrifluoroethane(F-113)	< 5.0	5.0	< 39	39		10	4/26/2006
Vinyl acetate	< 5.0	5.0	< 18	18		10	4/26/2006
Vinyl chloride	< 5.0	5.0	< 13	13		10	4/26/2006
Surr: 4-Bromofluorobenzene	104 %REC	70-130	-	-		10	4/26/2006

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Page 3 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 28-Apr-06

CLIENT: Mactec

Client Sample ID: INT

Lab Order: 06041112

Tag Number: 00318

Project: South Mesa WQARF/4972-04-2034

Collection Date: 4/13/2006 1:50:00 PM

Lab ID: 06041112-02A

Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
1,1,1-Trichloroethane	< 50	50	< 280	280	100	4/25/2005	
1,1,2,2-Tetrachloroethane	< 50	50	< 350	350	100	4/25/2005	
1,1,2-Trichloroethane	< 50	50	< 280	280	100	4/25/2005	
1,1-Dichloroethane	< 50	50	< 210	210	100	4/25/2005	
1,1-Dichloroethene	< 50	50	< 200	200	100	4/25/2005	
1,2,4-Trichlorobenzene	< 200	200	< 1500	1500	100	4/25/2005	
1,2,4-Trimethylbenzene	< 50	50	< 250	250	100	4/25/2005	
1,2-Dibromoethane	< 50	50	< 390	390	100	4/25/2005	
1,2-Dichlorobenzene	< 50	50	< 310	310	100	4/25/2005	
1,2-Dichloroethane	< 50	50	< 210	210	100	4/25/2005	
1,2-Dichloropropane	< 50	50	< 240	240	100	4/25/2005	
1,3,5-Trimethylbenzene	< 50	50	< 250	250	100	4/25/2005	
1,3-Butadiene	< 50	50	< 110	110	100	4/25/2005	
1,3-Dichlorobenzene	< 50	50	< 310	310	100	4/25/2005	
1,4-Dichlorobenzene	< 50	50	< 310	310	100	4/25/2005	
2,2,4-Trimethylpentane	170	50	810	240	100	4/25/2005	
2-Butanone (MEK)	< 100	100	< 300	300	100	4/25/2005	
2-Hexanone	< 100	100	< 420	420	100	4/25/2005	
2-Propanol	< 200	200	< 500	500	100	4/25/2005	
4-Ethyltoluene	< 50	50	< 220	220	100	4/25/2005	
4-Methyl-2-pentanone	< 100	100	< 420	420	100	4/25/2005	
Acetone	< 500	500	< 1200	1200	100	4/25/2005	
Allyl chloride	< 50	50	< 80	80	100	4/25/2005	
Benzene	< 50	50	< 160	160	100	4/25/2005	
Benzyl chloride	< 200	200	< 1100	1100	100	4/25/2005	
Bromodichloromethane	< 50	50	< 340	340	100	4/25/2005	

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 4 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 28-Apr-06

CLIENT: Mactec

Client Sample ID: INT

Lab Order: 06041112

Tag Number: 00318

Project: South Mesa WQARF/4972-04-2034

Collection Date: 4/13/2006 1:50:00 PM

Lab ID: 06041112-02A

Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Bromoethene(Vinyl Bromide)	< 50	50	< 110	110	100	4/25/2005	
Bromoform	< 50	50	< 520	520	100	4/25/2005	
Bromomethane	< 50	50	< 200	200	100	4/25/2005	
Carbon disulfide	< 50	50	< 160	160	100	4/25/2005	
Carbon tetrachloride	< 50	50	< 320	320	100	4/25/2005	
Chlorobenzene	< 50	50	< 240	240	100	4/25/2005	
Chloroethane	< 50	50	< 130	130	100	4/25/2005	
Chloroform	< 50	50	< 250	250	100	4/25/2005	
Chloromethane	< 50	50	< 100	100	100	4/25/2005	
cis-1,2-Dichloroethene	< 50	50	< 200	200	100	4/25/2005	
cis-1,3-Dichloropropene	< 50	50	< 230	230	100	4/25/2005	
Cyclohexane	< 50	50	< 170	170	100	4/25/2005	
Dibromochloromethane	< 50	50	< 430	430	100	4/25/2005	
Dichlorodifluoromethane(F-12)	< 50	50	< 250	250	100	4/25/2005	
Dichlorotetrafluoroethane(F-114)	< 50	50	< 360	360	100	4/25/2005	
Ethyl Acetate	< 50	50	< 180	180	100	4/25/2005	
Ethylbenzene	< 50	50	< 220	220	100	4/25/2005	
Heptane	< 50	50	< 210	210	100	4/25/2005	
Hexachlorobutadiene	< 100	100	< 1100	1100	100	4/25/2005	
Hexane	< 50	50	< 180	180	100	4/25/2005	
m&p-Xylene	< 100	100	< 440	440	100	4/25/2005	
Methyl tert-butyl ether	< 100	100	< 370	370	100	4/25/2005	
Methylene chloride	< 50	50	< 180	180	100	4/25/2005	
o-Xylene	< 50	50	< 220	220	100	4/25/2005	
Propene (Propylene)	< 50	50	< 88	88	100	4/25/2005	
Styrene	< 50	50	< 220	220	100	4/25/2005	

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 5 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 28-Apr-06

CLIENT: Mactec
Lab Order: 06041112
Project: South Mesa WQARF/4972-04-2034
Lab ID: 06041112-02A

Client Sample ID: INT
Tag Number: 00318
Collection Date: 4/13/2006 1:50:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Tetrachloroethene	690	50	4800	340	D2	100	4/25/2005
Tetrahydrofuran	< 200	200	< 600	600		100	4/25/2005
Toluene	< 50	50	< 190	190		100	4/25/2005
trans-1,2-Dichloroethene	< 50	50	< 200	200		100	4/25/2005
trans-1,3-Dichloropropene	< 50	50	< 230	230		100	4/25/2005
Trichloroethene	< 50	50	< 280	280		100	4/25/2005
Trichlorofluoromethane(F-11)	< 50	50	< 280	280		100	4/25/2005
Trichlorotrifluoroethane(F-113)	< 50	50	< 390	390		100	4/25/2005
Vinyl acetate	< 50	50	< 180	180		100	4/25/2005
Vinyl chloride	< 50	50	< 130	130		100	4/25/2005
Surr: 4-Bromofluorobenzene	103 %REC	70-130	-	-		100	4/25/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 6 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 28-Apr-06

CLIENT:	Mactec	Client Sample ID:	EFF
Lab Order:	06041112	Tag Number:	01249
Project:	South Mesa WQARF/4972-04-2034	Collection Date:	4/13/2006 1:40:00 PM
Lab ID:	06041112-03A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
1,1,1-Trichloroethane	< 1.0	1.0	< 5.5	5.5	2	4/26/2006	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	< 7.0	7.0	2	4/26/2006	
1,1,2-Trichloroethane	< 1.0	1.0	< 5.5	5.5	2	4/26/2006	
1,1-Dichloroethane	< 1.0	1.0	< 4.1	4.1	2	4/26/2006	
1,1-Dichloroethene	< 1.0	1.0	< 4.0	4.0	2	4/26/2006	
1,2,4-Trichlorobenzene	< 4.0	4.0	< 30	30	2	4/26/2006	
1,2,4-Trimethylbenzene	12	1.0	60	5.0	2	4/26/2006	
1,2-Dibromoethane	< 1.0	1.0	< 7.8	7.8	2	4/26/2006	
1,2-Dichlorobenzene	< 1.0	1.0	< 6.1	6.1	2	4/26/2006	
1,2-Dichloroethane	< 1.0	1.0	< 4.1	4.1	2	4/26/2006	
1,2-Dichloropropane	< 1.0	1.0	< 4.7	4.7	2	4/26/2006	
1,3,5-Trimethylbenzene	2.3	1.0	11	5.0	2	4/26/2006	
1,3-Butadiene	< 1.0	1.0	< 2.2	2.2	2	4/26/2006	
1,3-Dichlorobenzene	< 1.0	1.0	< 6.1	6.1	2	4/26/2006	
1,4-Dichlorobenzene	< 1.0	1.0	< 6.1	6.1	2	4/26/2006	
2,2,4-Trimethylpentane	< 1.0	1.0	< 4.7	4.7	2	4/26/2006	
2-Butanone (MEK)	2.0	2.0	6.0	6.0	2	4/26/2006	
2-Hexanone	< 2.0	2.0	< 8.3	8.3	2	4/26/2006	
2-Propanol	< 4.0	4.0	< 10	10	2	4/26/2006	
4-Ethyltoluene	4.4	1.0	19	4.4	2	4/26/2006	
4-Methyl-2-pentanone	< 2.0	2.0	< 8.3	8.3	2	4/26/2006	
Acetone	33	10	80	24	2	4/26/2006	
Allyl chloride	< 1.0	1.0	< 1.6	1.6	2	4/26/2006	
Benzene	< 1.0	1.0	< 3.2	3.2	2	4/26/2006	
Benzyl chloride	< 4.0	4.0	< 21	21	2	4/26/2006	
Bromodichloromethane	< 1.0	1.0	< 6.8	6.8	2	4/26/2006	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 * - Value exceeds Maximum Contaminant Level

Page 7 of 12



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental, Inc.

Date: 28-Apr-06

CLIENT: Mactec
Lab Order: 06041112
Project: South Mesa WQARF/4972-04-2034
Lab ID: 06041112-03A

Client Sample ID: EFF
Tag Number: 01249
Collection Date: 4/13/2006 1:40:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Bromoethene(Vinyl Bromide)	< 1.0	1.0	< 2.2	2.2	2	4/26/2006	
Bromoform	< 1.0	1.0	< 10	10	2	4/26/2006	
Bromomethane	< 1.0	1.0	< 4.0	4.0	2	4/26/2006	
Carbon disulfide	< 1.0	1.0	< 3.2	3.2	2	4/26/2006	
Carbon tetrachloride	< 1.0	1.0	< 6.4	6.4	2	4/26/2006	
Chlorobenzene	< 1.0	1.0	< 4.7	4.7	2	4/26/2006	
Chloroethane	< 1.0	1.0	< 2.7	2.7	2	4/26/2006	
Chloroform	< 1.0	1.0	< 5.0	5.0	2	4/26/2006	
Chloromethane	< 1.0	1.0	< 2.1	2.1	2	4/26/2006	
cis-1,2-Dichloroethene	< 1.0	1.0	< 4.0	4.0	2	4/26/2006	
cis-1,3-Dichloropropene	< 1.0	1.0	< 4.6	4.6	2	4/26/2006	
Cyclohexane	< 1.0	1.0	< 3.5	3.5	2	4/26/2006	
Dibromochloromethane	< 1.0	1.0	< 8.6	8.6	2	4/26/2006	
Dichlorodifluoromethane(F-12)	< 1.0	1.0	< 5.0	5.0	2	4/26/2006	
Dichlorotetrafluoroethane(F-114)	< 1.0	1.0	< 7.1	7.1	2	4/26/2006	
Ethyl Acetate	< 1.0	1.0	< 3.7	3.7	2	4/26/2006	
Ethylbenzene	1.5	1.0	6.6	4.4	2	4/26/2006	
Heptane	< 1.0	1.0	< 4.2	4.2	2	4/26/2006	
Hexachlorobutadiene	< 2.0	2.0	< 22	22	2	4/26/2006	
Hexane	< 1.0	1.0	< 3.6	3.6	2	4/26/2006	
m&p-Xylene	7.3	2.0	32	8.8	2	4/26/2006	
Methyl tert-butyl ether	< 2.0	2.0	< 7.3	7.3	2	4/26/2006	
Methylene chloride	< 1.0	1.0	< 3.5	3.5	2	4/26/2006	
o-Xylene	3.6	1.0	16	4.4	2	4/26/2006	
Propene (Propylene)	1.5	1.0	2.6	1.8	2	4/26/2006	
Styrene	< 1.0	1.0	< 4.3	4.3	2	4/26/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 8 of 12



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental, Inc.

Date: 28-Apr-06

CLIENT: Mactec

Client Sample ID: EFF

Lab Order: 06041112

Tag Number: 01249

Project: South Mesa WQARF/4972-04-2034

Collection Date: 4/13/2006 1:40:00 PM

Lab ID: 06041112-03A

Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Tetrachloroethene	< 1.0	1.0	< 6.9	6.9	2	4/26/2006	
Tetrahydrofuran	< 4.0	4.0	< 12	12	2	4/26/2006	
Toluene	4.9	1.0	19	3.8	2	4/26/2006	
trans-1,2-Dichloroethene	< 1.0	1.0	< 4.0	4.0	2	4/26/2006	
trans-1,3-Dichloropropene	< 1.0	1.0	< 4.6	4.6	2	4/26/2006	
Trichloroethene	< 1.0	1.0	< 5.5	5.5	2	4/26/2006	
Trichlorofluoromethane(F-11)	< 1.0	1.0	< 5.7	5.7	2	4/26/2006	
Trichlorotrifluoroethane(F-113)	< 1.0	1.0	< 7.8	7.8	2	4/26/2006	
Vinyl acetate	< 1.0	1.0	< 3.6	3.6	2	4/26/2006	
Vinyl chloride	< 1.0	1.0	< 2.6	2.6	2	4/26/2006	
Surr: 4-Bromofluorobenzene	105 %REC	70-130	-	-	2	4/26/2006	

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Page 9 of 12



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental, Inc.

Date: 28-Apr-06

CLIENT: Mactec
Lab Order: 06041112
Project: South Mesa WQARF/4972-04-2034
Lab ID: 06041112-04A

Client Sample ID: VW-7B
Tag Number: 01422
Collection Date: 4/13/2006 2:15:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15		Analyst: KPD			
1,1,1-Trichloroethane	< 10	10	< 55	55	20	4/25/2005	
1,1,2,2-Tetrachloroethane	< 10	10	< 70	70	20	4/25/2005	
1,1,2-Trichloroethane	< 10	10	< 55	55	20	4/25/2005	
1,1-Dichloroethane	28	10	120	41	20	4/25/2005	
1,1-Dichloroethene	23	10	93	40	20	4/25/2005	
1,2,4-Trichlorobenzene	< 40	40	< 300	300	20	4/25/2005	
1,2,4-Trimethylbenzene	< 10	10	< 50	50	20	4/25/2005	
1,2-Dibromoethane	< 10	10	< 78	78	20	4/25/2005	
1,2-Dichlorobenzene	< 10	10	< 61	61	20	4/25/2005	
1,2-Dichloroethane	< 10	10	< 41	41	20	4/25/2005	
1,2-Dichloropropane	< 10	10	< 47	47	20	4/25/2005	
1,3,5-Trimethylbenzene	< 10	10	< 50	50	20	4/25/2005	
1,3-Butadiene	< 10	10	< 22	22	20	4/25/2005	
1,3-Dichlorobenzene	< 10	10	< 61	61	20	4/25/2005	
1,4-Dichlorobenzene	< 10	10	< 61	61	20	4/25/2005	
2,2,4-Trimethylpentane	< 10	10	< 47	47	20	4/25/2005	
2-Butanone (MEK)	< 20	20	< 60	60	20	4/25/2005	
2-Hexanone	< 20	20	< 83	83	20	4/25/2005	
2-Propanol	< 40	40	< 100	100	20	4/25/2005	
4-Ethyltoluene	< 10	10	< 44	44	20	4/25/2005	
4-Methyl-2-pentanone	< 20	20	< 83	83	20	4/25/2005	
Acetone	< 100	100	< 240	240	20	4/25/2005	
Allyl chloride	< 10	10	< 16	16	20	4/25/2005	
Benzene	< 10	10	< 32	32	20	4/25/2005	
Benzyl chloride	< 40	40	< 210	210	20	4/25/2005	
Bromodichloromethane	< 10	10	< 68	68	20	4/25/2005	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 10 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 28-Apr-06

CLIENT: Mactec
Lab Order: 06041112
Project: South Mesa WQARF/4972-04-2034
Lab ID: 06041112-04A

Client Sample ID: VW-7B
Tag Number: 01422
Collection Date: 4/13/2006 2:15:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Bromoethene(Vinyl Bromide)	< 10	10	< 22	22	20	4/25/2005	
Bromoform	< 10	10	< 100	100	20	4/25/2005	
Bromomethane	< 10	10	< 40	40	20	4/25/2005	
Carbon disulfide	< 10	10	< 32	32	20	4/25/2005	
Carbon tetrachloride	< 10	10	< 64	64	20	4/25/2005	
Chlorobenzene	< 10	10	< 47	47	20	4/25/2005	
Chloroethane	< 10	10	< 27	27	20	4/25/2005	
Chloroform	< 10	10	< 50	50	20	4/25/2005	
Chloromethane	< 10	10	< 21	21	20	4/25/2005	
cis-1,2-Dichloroethene	< 10	10	< 40	40	20	4/25/2005	
cis-1,3-Dichloropropene	< 10	10	< 46	46	20	4/25/2005	
Cyclohexane	< 10	10	< 35	35	20	4/25/2005	
Dibromochloromethane	< 10	10	< 86	86	20	4/25/2005	
Dichlorodifluoromethane(F-12)	< 10	10	< 50	50	20	4/25/2005	
Dichlorotetrafluoroethane(F-114)	< 10	10	< 71	71	20	4/25/2005	
Ethyl Acetate	< 10	10	< 37	37	20	4/25/2005	
Ethylbenzene	< 10	10	< 44	44	20	4/25/2005	
Heptane	< 10	10	< 42	42	20	4/25/2005	
Hexachlorobutadiene	< 20	20	< 220	220	20	4/25/2005	
Hexane	< 10	10	< 36	36	20	4/25/2005	
m&p-Xylene	< 20	20	< 88	88	20	4/25/2005	
Methyl tert-butyl ether	< 20	20	< 73	73	20	4/25/2005	
Methylene chloride	< 10	10	< 35	35	20	4/25/2005	
o-Xylene	< 10	10	< 44	44	20	4/25/2005	
Propene (Propylene)	< 10	10	< 18	18	20	4/25/2005	
Styrene	< 10	10	< 43	43	20	4/25/2005	

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Page 11 of 12

Main Laboratory: 4645 E. Cotton Center Boulevard, Building 3, Suite 189 Phoenix, AZ 85040 Phone: 602.437.3340 Toll Free: 866.772.5227 Fax: 623.445.6192 www.aeroenvirolabs.com

Tucson Facility: 4455 S. Park Ave. Ste. 110 Tucson, AZ 85714 Phone: 520.807.3801 Fax: 520.807.3803

Corporate Address: 1501 W. Knudsen Drive, Phoenix, Arizona 85027 Phone: 623.780.4800 Toll Free: 800.651.4802 Fax: 623.780.7695 www.aerotechlabs.com



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental, Inc.

Date: 28-Apr-06

CLIENT: Mactec
Lab Order: 06041112
Project: South Mesa WQARF/4972-04-2034
Lab ID: 06041112-04A

Client Sample ID: VW-7B
Tag Number: 01422
Collection Date: 4/13/2006 2:15:00 PM
Matrix: AIR

Analyses	ppbv		$\mu\text{g}/\text{m}^3$		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15					Analyst: KPD
Tetrachloroethene	480	10	3300	69	D2	20	4/25/2005
Tetrahydrofuran	< 40	40	< 120	120		20	4/25/2005
Toluene	< 10	10	< 38	38		20	4/25/2005
trans-1,2-Dichloroethene	< 10	10	< 40	40		20	4/25/2005
trans-1,3-Dichloropropene	< 10	10	< 46	46		20	4/25/2005
Trichloroethene	< 10	10	< 55	55		20	4/25/2005
Trichlorofluoromethane(F-11)	< 10	10	< 57	57		20	4/25/2005
Trichlorotrifluoroethane(F-113)	< 10	10	< 78	78		20	4/25/2005
Vinyl acetate	< 10	10	< 36	36		20	4/25/2005
Vinyl chloride	< 10	10	< 26	26		20	4/25/2005
Surr: 4-Bromofluorobenzene	103 %REC	70-130	-	-		20	4/25/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 12 of 12

Aerotech Environmental, Inc.

Date: 28-Apr-06

CLIENT: Mactec

Work Order: 06041112

Project: South Mesa WQARF/4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R73255	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73255						
Client ID:	Batch ID: R73255	TestNo: TO15		Analysis Date: 4/25/2005	SeqNo: 871419						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	<0.50	0.50									
1,1,2,2-Tetrachloroethane	<0.50	0.50									
1,1,2-Trichloroethane	<0.50	0.50									
1,1-Dichloroethane	<0.50	0.50									
1,1-Dichloroethene	<0.50	0.50									
1,2,4-Trichlorobenzene	<2.0	2.0									
1,2,4-Trimethylbenzene	<0.50	0.50									
1,2-Dibromoethane	<0.50	0.50									
1,2-Dichlorobenzene	<0.50	0.50									
1,2-Dichloroethane	<0.50	0.50									
1,2-Dichloropropane	<0.50	0.50									
1,3,5-Trimethylbenzene	<0.50	0.50									
1,3-Butadiene	<0.50	0.50									
1,3-Dichlorobenzene	<0.50	0.50									
1,4-Dichlorobenzene	<0.50	0.50									
2,2,4-Trimethylpentane	<0.50	0.50									
2-Butanone (MEK)	<1.0	1.0									
2-Hexanone	<1.0	1.0									
2-Propanol	<2.0	2.0									
4-Ethyltoluene	<0.50	0.50									
4-Methyl-2-pentanone	<1.0	1.0									
Acetone	<5.0	5.0									
Allyl chloride	<0.50	0.50									
Benzene	<0.50	0.50									
Benzyl chloride	<2.0	2.0									
Bromodichloromethane	<0.50	0.50									
Bromoethene(Vinyl Bromide)	<0.50	0.50									
Bromoform	<0.50	0.50									

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

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CLIENT:

Mactec

Work Order:

06041112

Project:

South Mesa WQARF/4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R73255	SampleType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73255						
Client ID:	Batch ID: R73255	TestNo: TO15		Analysis Date: 4/25/2005	SeqNo: 871419						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	<0.50	0.50									
Carbon disulfide	<0.50	0.50									
Carbon tetrachloride	<0.50	0.50									
Chlorobenzene	<0.50	0.50									
Chloroethane	<0.50	0.50									
Chloroform	<0.50	0.50									
Chloromethane	<0.50	0.50									
cis-1,2-Dichloroethene	<0.50	0.50									
cis-1,3-Dichloropropene	<0.50	0.50									
Cyclohexane	<0.50	0.50									
Dibromochloromethane	<0.50	0.50									
Dichlorodifluoromethane(F-12)	<0.50	0.50									
Dichlorotetrafluoroethane(F-114)	<0.50	0.50									
Ethyl Acetate	<0.50	0.50									
Ethylbenzene	<0.50	0.50									
Heptane	<0.50	0.50									
Hexachlorobutadiene	<1.0	1.0									
Hexane	<0.50	0.50									
m&p-Xylene	<1.0	1.0									
Methyl tert-butyl ether	<1.0	1.0									
Methylene chloride	<0.50	0.50									
o-Xylene	<0.50	0.50									
Propene (Propylene)	<0.50	0.50									
Styrene	<0.50	0.50									
Tetrachloroethene	<0.50	0.50									
Tetrahydrofuran	<2.0	2.0									
Toluene	<0.50	0.50									
trans-1,2-Dichloroethene	<0.50	0.50									
trans-1,3-Dichloropropene	<0.50	0.50									

Qualifiers: E Value above quantitation range

ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

CLIENT: Mactec

Work Order: 06041112

Project: South Mesa WQARF/4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R73255	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73255						
Client ID:	Batch ID: R73255	TestNo: TO15		Analysis Date: 4/25/2005	SeqNo: 871419						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichloroethene
Trichlorofluoromethane(F-11)
Trichlorotrifluoroethane(F-113)
Vinyl acetate
Vinyl chloride
Surr: 4-Bromofluorobenzene

10 0 99.5 70 130

Sample ID: MB-R73319	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73319						
Client ID:	Batch ID: R73319	TestNo: TO15		Analysis Date: 4/26/2006	SeqNo: 872168						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,2,4-Trichlorobenzene
1,2,4-Trimethylbenzene
1,2-Dibromoethane
1,2-Dichlorobenzene
1,2-Dichloroethane
1,2-Dichloropropane
1,3,5-Trimethylbenzene
1,3-Butadiene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2,2,4-Trimethylpentane
2-Butanone (MEK)
2-Hexanone

Qualifiers: E Value above quantitation range

ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits

J Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT:

Mactec

Work Order:

06041112

Project:

South Mesa WQARF/4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R73319	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73319						
Client ID:	Batch ID: R73319	TestNo: TO15		Analysis Date: 4/26/2006	SeqNo: 872168						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Propanol	<2.0	2.0									
4-Ethyltoluene	<0.50	0.50									
4-Methyl-2-pentanone	<1.0	1.0									
Acetone	<5.0	5.0									
Allyl chloride	<0.50	0.50									
Benzene	<0.50	0.50									
Benzyl chloride	<2.0	2.0									
Bromodichloromethane	<0.50	0.50									
Bromoethene(Vinyl Bromide)	<0.50	0.50									
Bromoform	<0.50	0.50									
Bromomethane	<0.50	0.50									
Carbon disulfide	<0.50	0.50									
Carbon tetrachloride	<0.50	0.50									
Chlorobenzene	<0.50	0.50									
Chloroethane	<0.50	0.50									
Chloroform	<0.50	0.50									
Chloromethane	<0.50	0.50									
cis-1,2-Dichloroethene	<0.50	0.50									
cis-1,3-Dichloropropene	<0.50	0.50									
Cyclohexane	<0.50	0.50									
Dibromochloromethane	<0.50	0.50									
Dichlorodifluoromethane(F-12)	<0.50	0.50									
Dichlorotetrafluoroethane(F-114)	<0.50	0.50									
Ethyl Acetate	<0.50	0.50									
Ethylbenzene	<0.50	0.50									
Heptane	<0.50	0.50									
Hexachlorobutadiene	<1.0	1.0									
Hexane	<0.50	0.50									
m&p-Xylene	<1.0	1.0									

Qualifiers: E Value above quantitation range

ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits

J Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits

CLIENT:

Mactec

Work Order:

06041112

Project:

South Mesa WQARF/4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R73319	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73319						
Client ID:	Batch ID: R73319	TestNo: TO15		Analysis Date: 4/26/2006	SeqNo: 872168						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Methyl tert-butyl ether	<1.0	1.0									
Methylene chloride	<0.50	0.50									
o-Xylene	<0.50	0.50									
Propene (Propylene)	<0.50	0.50									
Styrene	<0.50	0.50									
Tetrachloroethene	<0.50	0.50									
Tetrahydrofuran	<2.0	2.0									
Toluene	<0.50	0.50									
trans-1,2-Dichloroethene	<0.50	0.50									
trans-1,3-Dichloropropene	<0.50	0.50									
Trichloroethene	<0.50	0.50									
Trichlorofluoromethane(F-11)	<0.50	0.50									
Trichlorotrifluoroethane(F-113)	<0.50	0.50									
Vinyl acetate	<0.50	0.50									
Vinyl chloride	<0.50	0.50									
Surr: 4-Bromofluorobenzene	10.24	0.50	10	0	102	70	130				

Sample ID: LCS-R73255	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73255						
Client ID:	Batch ID: R73255	TestNo: TO15		Analysis Date: 4/25/2006	SeqNo: 871420						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane	8.710	0.50	10	0	87.1	65	135				
1,1,2,2-Tetrachloroethane	8.320	0.50	10	0	83.2	65	135				
1,1,2-Trichloroethane	8.670	0.50	10	0	86.7	65	135				
1,1-Dichloroethane	8.550	0.50	10	0	85.5	65	135				
1,1-Dichloroethene	8.720	0.50	10	0	87.2	65	135				
1,2,4-Trichlorobenzene	7.130	2.0	10	0	71.3	65	135				
1,2,4-Trimethylbenzene	8.530	0.50	10	0	85.3	65	135				
1,2-Dibromoethane	8.640	0.50	10	0	86.4	65	135				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT: Mactec

Work Order: 06041112

Project: South Mesa WQARF/4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R73255	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73255						
Client ID:	Batch ID: R73255	TestNo: TO15		Analysis Date: 4/25/2006	SeqNo: 871420						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichlorobenzene	8.240	0.50	10	0	82.4	65	135				
1,2-Dichloroethane	8.770	0.50	10	0	87.7	65	135				
1,2-Dichloropropane	8.430	0.50	10	0	84.3	65	135				
1,3,5-Trimethylbenzene	8.570	0.50	10	0	85.7	65	135				
1,3-Butadiene	8.610	0.50	10	0	86.1	65	135				
1,3-Dichlorobenzene	8.310	0.50	10	0	83.1	65	135				
1,4-Dichlorobenzene	8.200	0.50	10	0	82.0	65	135				
2,2,4-Trimethylpentane	8.470	0.50	10	0	84.7	65	135				
2-Butanone (MEK)	8.800	1.0	10	0	88.0	65	135				
2-Hexanone	8.390	1.0	10	0	83.9	65	135				
2-Propanol	7.150	2.0	10	0	71.5	65	135				
4-Ethyltoluene	8.590	0.50	10	0	85.9	65	135				
4-Methyl-2-pentanone	8.770	1.0	10	0	87.7	65	135				
Acetone	8.040	5.0	10	0	80.4	65	135				
Allyl chloride	8.570	0.50	10	0	85.7	65	135				
Benzene	8.410	0.50	10	0	84.1	65	135				
Benzyl chloride	7.160	2.0	10	0	71.6	65	135				
Bromodichloromethane	8.800	0.50	10	0	88.0	65	135				
Bromoethene(Vinyl Bromide)	8.760	0.50	10	0	87.6	65	135				
Bromoform	8.530	0.50	10	0	85.3	65	135				
Bromomethane	8.830	0.50	10	0	88.3	65	135				
Carbon disulfide	8.470	0.50	10	0	84.7	65	135				
Carbon tetrachloride	8.770	0.50	10	0	87.7	65	135				
Chlorobenzene	8.450	0.50	10	0	84.5	65	135				
Chloroethane	8.540	0.50	10	0	85.4	65	135				
Chloroform	8.590	0.50	10	0	85.9	65	135				
Chloromethane	8.700	0.50	10	0	87.0	65	135				
cis-1,2-Dichloroethene	8.600	0.50	10	0	86.0	65	135				
cis-1,3-Dichloropropene	8.890	0.50	10	0	88.9	65	135				

Qualifiers: E Value above quantitation range

ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits

J Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits

CLIENT: Mactec

Work Order: 06041112

Project: South Mesa WQARF/4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R73255	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73255						
Client ID:	Batch ID: R73255	TestNo: TO15		Analysis Date: 4/25/2006	SeqNo: 871420						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyclohexane	8.600	0.50	10	0	86.0	65		135			
Dibromochloromethane	8.730	0.50	10	0	87.3	65		135			
Dichlorodifluoromethane(F-12)	8.670	0.50	10	0	86.7	65		135			
Dichlorotetrafluoroethane(F-114)	8.710	0.50	10	0	87.1	65		135			
Ethyl Acetate	8.690	0.50	10	0	86.9	65		135			
Ethylbenzene	8.570	0.50	10	0	85.7	65		135			
Heptane	8.550	0.50	10	0	85.5	65		135			
Hexachlorobutadiene	8.560	1.0	10	0	85.6	65		135			
Hexane	8.860	0.50	10	0	88.6	65		135			
m&p-Xylene	17.17	1.0	20	0	85.8	65		135			
Methyl tert-butyl ether	8.590	1.0	10	0	85.9	65		135			
Methylene chloride	8.150	0.50	10	0	81.5	65		135			
o-Xylene	8.500	0.50	10	0	85.0	65		135			
Propene (Propylene)	8.560	0.50	10	0	85.6	65		135			
Styrene	8.690	0.50	10	0	86.9	65		135			
Tetrachloroethene	8.620	0.50	10	0	86.2	65		135			
Tetrahydrofuran	8.700	2.0	10	0	87.0	65		135			
Toluene	8.550	0.50	10	0	85.5	65		135			
trans-1,2-Dichloroethene	8.480	0.50	10	0	84.8	65		135			
trans-1,3-Dichloropropene	8.920	0.50	10	0	89.2	65		135			
Trichloroethene	8.600	0.50	10	0	86.0	65		135			
Trichlorofluoromethane(F-11)	8.910	0.50	10	0	89.1	65		135			
Trichlorotrifluoroethane(F-113)	8.500	0.50	10	0	85.0	65		135			
Vinyl acetate	8.640	0.50	10	0	86.4	65		135			
Vinyl chloride	8.720	0.50	10	0	87.2	65		135			
Surr: 4-Bromofluorobenzene	10.45	0.50	10	0	104	70		130			

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT: Mactec

Work Order: 06041112

Project: South Mesa WQARF/4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R73319	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73319						
Client ID:	Batch ID: R73319	TestNo: TO15		Analysis Date: 4/26/2006	SeqNo: 872191						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	8.780	0.50	10	0	87.8	65	135				
1,1,2,2-Tetrachloroethane	8.290	0.50	10	0	82.9	65	135				
1,1,2-Trichloroethane	8.620	0.50	10	0	86.2	65	135				
1,1-Dichloroethane	8.550	0.50	10	0	85.5	65	135				
1,1-Dichloroethene	8.710	0.50	10	0	87.1	65	135				
1,2,4-Trichlorobenzene	7.030	2.0	10	0	70.3	65	135				
1,2,4-Trimethylbenzene	8.480	0.50	10	0	84.8	65	135				
1,2-Dibromoethane	8.610	0.50	10	0	86.1	65	135				
1,2-Dichlorobenzene	8.180	0.50	10	0	81.8	65	135				
1,2-Dichloroethane	8.790	0.50	10	0	87.9	65	135				
1,2-Dichloropropane	8.500	0.50	10	0	85.0	65	135				
1,3,5-Trimethylbenzene	8.530	0.50	10	0	85.3	65	135				
1,3-Butadiene	8.660	0.50	10	0	86.6	65	135				
1,3-Dichlorobenzene	8.230	0.50	10	0	82.3	65	135				
1,4-Dichlorobenzene	8.180	0.50	10	0	81.8	65	135				
2,2,4-Trimethylpentane	8.500	0.50	10	0	85.0	65	135				
2-Butanone (MEK)	8.790	1.0	10	0	87.9	65	135				
2-Hexanone	8.800	1.0	10	0	88.0	65	135				
2-Propanol	7.740	2.0	10	0	77.4	65	135				
4-Ethyltoluene	8.530	0.50	10	0	85.3	65	135				
4-Methyl-2-pentanone	9.000	1.0	10	0	90.0	65	135				
Acetone	8.040	5.0	10	0	80.4	65	135				
Allyl chloride	8.660	0.50	10	0	86.6	65	135				
Benzene	8.370	0.50	10	0	83.7	65	135				
Benzyl chloride	7.690	2.0	10	0	76.9	65	135				
Bromodichloromethane	8.790	0.50	10	0	87.9	65	135				
Bromoethene(Vinyl Bromide)	8.740	0.50	10	0	87.4	65	135				
Bromoform	8.490	0.50	10	0	84.9	65	135				
Bromomethane	8.820	0.50	10	0	88.2	65	135				

Qualifiers: E Value above quantitation range

ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits

J Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits

CLIENT: Mactec

Work Order: 06041112

Project: South Mesa WQARF/4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R73319	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73319						
Client ID:	Batch ID: R73319	TestNo: TO15		Analysis Date: 4/26/2006	SeqNo: 872191						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	8.470	0.50	10	0	84.7	65	135				
Carbon tetrachloride	8.780	0.50	10	0	87.8	65	135				
Chlorobenzene	8.370	0.50	10	0	83.7	65	135				
Chloroethane	8.600	0.50	10	0	86.0	65	135				
Chloroform	8.560	0.50	10	0	85.6	65	135				
Chloromethane	8.780	0.50	10	0	87.8	65	135				
cis-1,2-Dichloroethene	8.540	0.50	10	0	85.4	65	135				
cis-1,3-Dichloropropene	8.980	0.50	10	0	89.8	65	135				
Cyclohexane	8.570	0.50	10	0	85.7	65	135				
Dibromochloromethane	8.690	0.50	10	0	86.9	65	135				
Dichlorodifluoromethane(F-12)	8.700	0.50	10	0	87.0	65	135				
Dichlorotetrafluoroethane(F-114)	8.750	0.50	10	0	87.5	65	135				
Ethyl Acetate	8.960	0.50	10	0	89.6	65	135				
Ethylbenzene	8.520	0.50	10	0	85.2	65	135				
Heptane	8.550	0.50	10	0	85.5	65	135				
Hexachlorobutadiene	8.380	1.0	10	0	83.8	65	135				
Hexane	8.820	0.50	10	0	88.2	65	135				
m&p-Xylene	17.09	1.0	20	0	85.4	65	135				
Methyl tert-butyl ether	9.030	1.0	10	0	90.3	65	135				
Methylene chloride	8.100	0.50	10	0	81.0	65	135				
o-Xylene	8.470	0.50	10	0	84.7	65	135				
Propene (Propylene)	8.850	0.50	10	0	88.5	65	135				
Styrene	8.540	0.50	10	0	85.4	65	135				
Tetrachloroethene	8.560	0.50	10	0	85.6	65	135				
Tetrahydrofuran	8.880	2.0	10	0	88.8	65	135				
Toluene	8.540	0.50	10	0	85.4	65	135				
trans-1,2-Dichloroethene	8.420	0.50	10	0	84.2	65	135				
trans-1,3-Dichloropropene	9.060	0.50	10	0	90.6	65	135				
Trichloroethene	8.580	0.50	10	0	85.8	65	135				

Qualifiers: E Value above quantitation range ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded R RPD outside accepted recovery limits

J Analyte detected below quantitation limits S Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT:

Mactec

Work Order:

06041112

Project:

South Mesa WQARF/4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R73319	SampleType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73319						
Client ID:	Batch ID: R73319	TestNo: TO15		Analysis Date: 4/26/2006	SeqNo: 872191						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichlorofluoromethane(F-11)

8.970

0.50

10

0

89.7

65

135

Trichlorotrifluoroethane(F-113)

8.530

0.50

10

0

85.3

65

135

Vinyl acetate

9.030

0.50

10

0

90.3

65

135

Vinyl chloride

8.400

0.50

10

0

84.0

65

135

Surr: 4-Bromofluorobenzene

10.46

0.50

10

0

105

70

130

Sample ID: LCSD-R73255	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73255						
Client ID:	Batch ID: R73255	TestNo: TO15		Analysis Date: 4/25/2006	SeqNo: 871421						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane

8.660

0.50

10

0

86.6

65

135

1,1,2,2-Tetrachloroethane

8.330

0.50

10

0

83.3

65

135

1,1,2-Trichloroethane

8.500

0.50

10

0

85.0

65

135

1,1-Dichloroethane

8.520

0.50

10

0

85.2

65

135

1,1-Dichloroethene

8.640

0.50

10

0

86.4

65

135

1,2,4-Trichlorobenzene

7.340

2.0

10

0

73.4

65

135

1,2,4-Trimethylbenzene

8.540

0.50

10

0

85.4

65

135

1,2-Dibromoethane

8.540

0.50

10

0

85.4

65

135

1,2-Dichlorobenzene

8.300

0.50

10

0

83.0

65

135

1,2-Dichloroethane

8.680

0.50

10

0

86.8

65

135

1,2-Dichloropropane

8.360

0.50

10

0

83.6

65

135

1,3,5-Trimethylbenzene

8.580

0.50

10

0

85.8

65

135

1,3-Butadiene

8.540

0.50

10

0

85.4

65

135

1,3-Dichlorobenzene

8.360

0.50

10

0

83.6

65

135

1,4-Dichlorobenzene

8.310

0.50

10

0

83.1

65

135

2,2,4-Trimethylpentane

8.380

0.50

10

0

83.8

65

135

2-Butanone (MEK)

8.830

1.0

10

0

88.3

65

135

2-Hexanone

8.560

1.0

10

0

85.6

65

135

2-Propanol

7.460

2.0

10

0

74.6

65

135

Qualifiers: E Value above quantitation range

ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

CLIENT: Mactec
Work Order: 06041112
Project: South Mesa WQARF/4972-04-2034
TestCode: TO15
ANALYTICAL QC SUMMARY REPORT

Sample ID: LCSD-R73255		Samp Type: LCSD	TestCode: TO15		Units: ppbv	Prep Date:		RunNo: 73255	
Client ID:		Batch ID: R73255	TestNo: TO15			Analysis Date: 4/25/2006		SeqNo: 871421	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	RPD Limit
4-Ethyltoluene	8.600	0.50	10	0	86.0	65	135	8.590	0.116
4-Methyl-2-pentanone	8.790	1.0	10	0	87.9	65	135	8.770	0.228
Acetone	7.980	5.0	10	0	79.8	65	135	8.040	0.749
Allyl chloride	8.580	0.50	10	0	85.8	65	135	8.570	0.117
Benzene	8.400	0.50	10	0	84.0	65	135	8.410	0.119
Benzyl chloride	7.320	2.0	10	0	73.2	65	135	7.160	2.21
Bromodichloromethane	8.610	0.50	10	0	86.1	65	135	8.800	2.18
Bromoethene(Vinyl Bromide)	8.700	0.50	10	0	87.0	65	135	8.760	0.687
Bromoform	8.500	0.50	10	0	85.0	65	135	8.530	0.352
Bromomethane	8.810	0.50	10	0	88.1	65	135	8.830	0.227
Carbon disulfide	8.460	0.50	10	0	84.6	65	135	8.470	0.118
Carbon tetrachloride	8.660	0.50	10	0	86.6	65	135	8.770	1.26
Chlorobenzene	8.410	0.50	10	0	84.1	65	135	8.450	0.474
Chloroethane	8.570	0.50	10	0	85.7	65	135	8.540	0.351
Chloroform	8.530	0.50	10	0	85.3	65	135	8.590	0.701
Chloromethane	8.670	0.50	10	0	86.7	65	135	8.700	0.345
cis-1,2-Dichloroethene	8.580	0.50	10	0	85.8	65	135	8.600	0.233
cis-1,3-Dichloropropene	8.890	0.50	10	0	88.9	65	135	8.890	0
Cyclohexane	8.560	0.50	10	0	85.6	65	135	8.600	0.466
Dibromochloromethane	8.630	0.50	10	0	86.3	65	135	8.730	1.15
Dichlorodifluoromethane(F-12)	8.680	0.50	10	0	86.8	65	135	8.670	0.115
Dichlorotetrafluoroethane(F-114)	8.660	0.50	10	0	86.6	65	135	8.710	0.576
Ethyl Acetate	8.770	0.50	10	0	87.7	65	135	8.690	0.916
Ethylbenzene	8.550	0.50	10	0	85.5	65	135	8.570	0.234
Heptane	8.410	0.50	10	0	84.1	65	135	8.550	1.65
Hexachlorobutadiene	8.550	1.0	10	0	85.5	65	135	8.560	0.117
Hexane	8.810	0.50	10	0	88.1	65	135	8.860	0.566
m&p-Xylene	16.63	1.0	20	0	83.2	65	135	17.17	3.20
Methyl tert-butyl ether	8.750	1.0	10	0	87.5	65	135	8.590	1.85

Qualifiers:		E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit			R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT:

Mactec

Work Order:

06041112

Project:

South Mesa WQARF/4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCSD-R73255	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73255						
Client ID:	Batch ID: R73255	TestNo: TO15		Analysis Date: 4/25/2006	SeqNo: 871421						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methylene chloride	8.020	0.50	10	0	80.2	65	135	8.150	1.61	25	
o-Xylene	8.520	0.50	10	0	85.2	65	135	8.500	0.235	25	
Propene (Propylene)	8.830	0.50	10	0	88.3	65	135	8.560	3.11	25	
Styrene	8.690	0.50	10	0	86.9	65	135	8.690	0	25	
Tetrachloroethene	8.510	0.50	10	0	85.1	65	135	8.620	1.28	25	
Tetrahydrofuran	8.780	2.0	10	0	87.8	65	135	8.700	0.915	25	
Toluene	8.520	0.50	10	0	85.2	65	135	8.550	0.351	25	
trans-1,2-Dichloroethene	8.440	0.50	10	0	84.4	65	135	8.480	0.473	25	
trans-1,3-Dichloropropene	8.930	0.50	10	0	89.3	65	135	8.920	0.112	25	
Trichloroethene	8.580	0.50	10	0	85.8	65	135	8.600	0.233	25	
Trichlorofluoromethane(F-11)	8.790	0.50	10	0	87.9	65	135	8.910	1.36	25	
Trichlorotrifluoroethane(F-113)	8.490	0.50	10	0	84.9	65	135	8.500	0.118	25	
Vinyl acetate	8.790	0.50	10	0	87.9	65	135	8.640	1.72	25	
Vinyl chloride	8.650	0.50	10	0	86.5	65	135	8.720	0.806	25	
Surr: 4-Bromofluorobenzene	10.38	0.50	10	0	104	70	130	10.45	0	0	

Sample ID: LCSD-R73319	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73319						
Client ID:	Batch ID: R73319	TestNo: TO15		Analysis Date: 4/26/2006	SeqNo: 872192						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	8.900	0.50	10	0	89.0	65	135	8.780	1.36	25	
1,1,2,2-Tetrachloroethane	8.520	0.50	10	0	85.2	65	135	8.290	2.74	25	
1,1,2-Trichloroethane	8.660	0.50	10	0	86.6	65	135	8.620	0.463	25	
1,1-Dichloroethane	8.650	0.50	10	0	86.5	65	135	8.550	1.16	25	
1,1-Dichloroethene	8.810	0.50	10	0	88.1	65	135	8.710	1.14	25	
1,2,4-Trichlorobenzene	7.340	2.0	10	0	73.4	65	135	7.030	4.31	25	
1,2,4-Trimethylbenzene	8.730	0.50	10	0	87.3	65	135	8.480	2.91	25	
1,2-Dibromoethane	8.690	0.50	10	0	86.9	65	135	8.610	0.925	25	
1,2-Dichlorobenzene	8.500	0.50	10	0	85.0	65	135	8.180	3.84	25	

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Mactec

Work Order: 06041112

Project: South Mesa WQARF/4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCSD-R73319	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73319						
Client ID:	Batch ID: R73319	TestNo: TO15		Analysis Date: 4/26/2006	SeqNo: 872192						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane	8.900	0.50	10	0	89.0	65	135	8.790	1.24	25	
1,2-Dichloropropane	8.570	0.50	10	0	85.7	65	135	8.500	0.820	25	
1,3,5-Trimethylbenzene	8.720	0.50	10	0	87.2	65	135	8.530	2.20	25	
1,3-Butadiene	8.750	0.50	10	0	87.5	65	135	8.660	1.03	25	
1,3-Dichlorobenzene	8.510	0.50	10	0	85.1	65	135	8.230	3.35	25	
1,4-Dichlorobenzene	8.500	0.50	10	0	85.0	65	135	8.180	3.84	25	
2,2,4-Trimethylpentane	8.550	0.50	10	0	85.5	65	135	8.500	0.587	25	
2-Butanone (MEK)	8.930	1.0	10	0	89.3	65	135	8.790	1.58	25	
2-Hexanone	8.900	1.0	10	0	89.0	65	135	8.800	1.13	25	
2-Propanol	7.870	2.0	10	0	78.7	65	135	7.740	1.67	25	
4-Ethyltoluene	8.800	0.50	10	0	88.0	65	135	8.530	3.12	25	
4-Methyl-2-pentanone	9.050	1.0	10	0	90.5	65	135	9.000	0.554	25	
Acetone	8.160	5.0	10	0	81.6	65	135	8.040	1.48	25	
Allyl chloride	8.830	0.50	10	0	88.3	65	135	8.660	1.94	25	
Benzene	8.510	0.50	10	0	85.1	65	135	8.370	1.66	25	
Benzyl chloride	7.970	2.0	10	0	79.7	65	135	7.690	3.58	25	
Bromodichloromethane	8.860	0.50	10	0	88.6	65	135	8.790	0.793	25	
Bromoethene(Vinyl Bromide)	8.860	0.50	10	0	88.6	65	135	8.740	1.36	25	
Bromoform	8.710	0.50	10	0	87.1	65	135	8.490	2.56	25	
Bromomethane	8.920	0.50	10	0	89.2	65	135	8.820	1.13	25	
Carbon disulfide	8.560	0.50	10	0	85.6	65	135	8.470	1.06	25	
Carbon tetrachloride	8.860	0.50	10	0	88.6	65	135	8.780	0.907	25	
Chlorobenzene	8.580	0.50	10	0	85.8	65	135	8.370	2.48	25	
Chloroethane	8.730	0.50	10	0	87.3	65	135	8.600	1.50	25	
Chloroform	8.710	0.50	10	0	87.1	65	135	8.560	1.74	25	
Chloromethane	8.940	0.50	10	0	89.4	65	135	8.780	1.81	25	
cis-1,2-Dichloroethene	8.660	0.50	10	0	86.6	65	135	8.540	1.40	25	
cis-1,3-Dichloropropene	9.060	0.50	10	0	90.6	65	135	8.980	0.887	25	
Cyclohexane	8.740	0.50	10	0	87.4	65	135	8.570	1.96	25	

Qualifiers: E Value above quantitation range ND Not Detected at the Reporting Limit H Holding times for preparation or analysis exceeded R RPD outside accepted recovery limits J Analyte detected below quantitation limits S Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT:

Mactec

Work Order:

06041112

Project:

South Mesa WQARF/4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCSD-R73319	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73319						
Client ID:	Batch ID: R73319	TestNo: TO15		Analysis Date: 4/26/2006	SeqNo: 872192						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	8.760	0.50	10	0	87.6	65	135	8.690	0.802	25	
Dichlorodifluoromethane(F-12)	8.800	0.50	10	0	88.0	65	135	8.700	1.14	25	
Dichlorotetrafluoroethane(F-114)	8.820	0.50	10	0	88.2	65	135	8.750	0.797	25	
Ethyl Acetate	9.070	0.50	10	0	90.7	65	135	8.960	1.22	25	
Ethylbenzene	8.690	0.50	10	0	86.9	65	135	8.520	1.98	25	
Heptane	8.630	0.50	10	0	86.3	65	135	8.550	0.931	25	
Hexachlorobutadiene	8.560	1.0	10	0	85.6	65	135	8.380	2.13	25	
Hexane	8.990	0.50	10	0	89.9	65	135	8.820	1.91	25	
m&p-Xylene	16.96	1.0	20	0	84.8	65	135	17.09	0.764	25	
Methyl tert-butyl ether	9.210	1.0	10	0	92.1	65	135	9.030	1.97	25	
Methylene chloride	8.280	0.50	10	0	82.8	65	135	8.100	2.20	25	
o-Xylene	8.670	0.50	10	0	86.7	65	135	8.470	2.33	25	
Propene (Propylene)	9.020	0.50	10	0	90.2	65	135	8.850	1.90	25	
Styrene	8.800	0.50	10	0	88.0	65	135	8.540	3.00	25	
Tetrachloroethene	8.610	0.50	10	0	86.1	65	135	8.560	0.582	25	
Tetrahydrofuran	9.020	2.0	10	0	90.2	65	135	8.880	1.56	25	
Toluene	8.630	0.50	10	0	86.3	65	135	8.540	1.05	25	
trans-1,2-Dichloroethene	8.620	0.50	10	0	86.2	65	135	8.420	2.35	25	
trans-1,3-Dichloropropene	9.160	0.50	10	0	91.6	65	135	9.060	1.10	25	
Trichloroethene	8.590	0.50	10	0	85.9	65	135	8.580	0.116	25	
Trichlorofluoromethane(F-11)	9.020	0.50	10	0	90.2	65	135	8.970	0.556	25	
Trichlorotrifluoroethane(F-113)	8.600	0.50	10	0	86.0	65	135	8.530	0.817	25	
Vinyl acetate	9.210	0.50	10	0	92.1	65	135	9.030	1.97	25	
Vinyl chloride	8.820	0.50	10	0	88.2	65	135	8.400	4.88	25	
Surr: 4-Bromofluorobenzene	10.49	0.50	10	0	105	70	130	10.46	0	0	

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Aerotech Environmental Laboratories Sample Receipt Checklist

Project Checked By: _____

Laboratory Number: <u>06-04-11/2</u>	Checklist completed by: <u>[Signature]</u> <u>4/13/06</u>
Client Name: <u>Mactec</u>	Signature/Date
Matrix: <u>Air</u>	Carrier Name: <u>M. Kimmel</u>
Date/Time Rec'd: <u>4/13/06 1455</u>	By: <u>CMG</u>
Temperature of Samples? <u>Ambient</u>	Circle one: Blue Ice <input type="checkbox"/> Wet Ice <input type="checkbox"/> <u>Not Present</u> <input checked="" type="checkbox"/>

	Yes	No*	Not Present	Soil Containers:
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Brass Sleeve _____
Custody seals intact on shipping container/cooler?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Glass Jar _____
Custody seals intact on sample containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Methanol _____
Chain of Custody present and relinquished/received properly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Plastic Bag _____
Chain of Custody agrees with sample labels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Encore Samplers _____
Samples in proper containers/bottles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sample containers intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
All samples received within holding time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there sufficient sample volume to perform the tests?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	**See Comment about Chlorine and pH
40mL vials for volatiles & SOCs received with zero headspace?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Total number of bottles received: <u>4</u>	IH sample media: <u>1L Caristers</u>			
If applicable, how many sample bottles were shipped from AEL-Tucson?				N/A <input checked="" type="checkbox"/>

Number of containers received by preservative and by sample number: (If more than 15 samples are rec'd, please continue on separate sheet(s))

Preservative	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A-General	/	/	/	/											
B-HNO3															
C-H2SO4															
D-HCl															
E-Na2S2O3															
F-NaOH															
G-Sulfide															
H-Na Sulfite															
I-MCAA															
J-Methanol															
K-HAA															
L-Other															

Water-pH acceptable upon receipt? Yes ☐ No ☐ N/A ☒

Preservative & pH	pH of samples upon receipt	If pH requires adjustment, list sample number, and reagent ID. number
Metals <2		
Nutrients <2		
Total Phenols <2		
413 (O&G) <2		
418 (TPH) <2		
Cyanide >12		
Sulfide >9		

*Any No response must be detailed in the comments section below. Contact the PM immediately to determine how to proceed. Refer to SOP 11-001.04, Section 1.8.6. Continue on back if additional space is needed.

**The holding time for pH and Total Residual Chlorine analysis is immediate. For the most accurate result, the pH and Total Residual Chlorine should be taken in the field within 15 minutes of sampling.

Comments:

Corrective Action:



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Aerotech Laboratories, Inc.
a division of . . .

[] Main Lab - 4645 E. Cotton Center Blvd., Building 3, Suite 189, Phoenix, AZ 85040 602.437.3340 - FAX 623.445.6192

[] North Phoenix - 1501 W. Knudsen, Phoenix, AZ 85027 623.780.4800 - FAX 623.445.6216

[] Tucson - 4455 S. Park Ave, Suite 110, Tucson, AZ 85714 520.807.3801 - FAX 520.807.3803

www.aerovirolabs.com or call toll-free 866.772.5227

[illegible]

Instructions / Special Requirements:

Date: _____ Time: _____

Samples Relinquished By:

Received By:



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Tuesday, May 16, 2006

Jim Clarke
Mactec
3630 East Wier Avenue
Phoenix, AZ 85040

TEL: (602) 437-0250

FAX (602) 437-3675

RE: South Mesa/4972

Order No.: 06050588

Dear Jim Clarke:

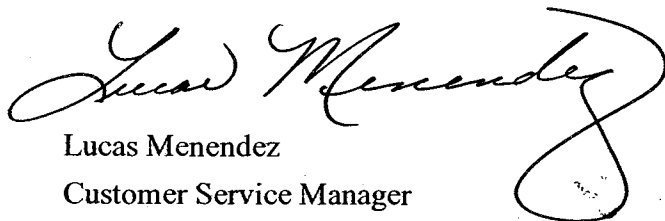
Aerotech Environmental, Inc. received 4 sample(s) on 5/3/2006 for the analyses presented in the following report.

This report includes the following information:

- Case Narrative.
- Analytical Report: includes test results, report limit (Limit), any applicable data qualifier (Qual), units, dilution factor (DF), and date analyzed.
- QC Summary Report.

This communication is intended only for the individual or entity to whom it is directed. It may contain information that is privileged, confidential, or otherwise exempt from disclosure under applicable law. Dissemination, distribution, or copying of this communication by anyone other than the intended recipient, or a duly designated employee or agent of such recipient, is prohibited. If you have received this communication in error, please notify us immediately and destroy this message and all attachments thereto. If you have any questions regarding these test results, please do not hesitate to call.

Sincerely,


Lucas Menendez
Customer Service Manager



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental, Inc.

Date: 19-May-06

CLIENT: Mactec
Project: South Mesa/4972
Lab Order: 06050588

CASE NARRATIVE

Samples were analyzed using methods outlined in references such as:

Standard Methods for the Examination of Water and Wastewater, 19th Edition, 1995.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Methods for the Determination of Organic Compounds in Drinking Water: Supplement III, EPA/600/R-95/131, August 1995.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

40 CFR, Part 136, Revised 1998. Appendix A to Part 136 - Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater.

NIOSH Manual of Analytical Methods, Fourth Edition, 1994.

Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.

Aerotech Environmental Laboratories (AEL) holds Arizona certification no. AZ0610 and AEL-Tucson holds Arizona certification no. AZ0609.

Aerotech Environmental Laboratories (Laboratory 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.

Analytical Comments:

All method blanks and laboratory control spikes met EPA method and/or laboratory quality control objectives for the analyses included in this report.

Data Qualifiers:

Listed below are the data qualifiers used in your analytical report to explain any analytical or quality control issues. You will find them noted in your report under the column header "QUAL". Any quality control deficiencies that cannot be adequately described by these qualifiers will be addressed in the analytical comments section of this case narrative

D2 Sample required dilution due to high concentration of target analyte.



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 19-May-06

CLIENT:	Mactec	Client Sample ID:	EFF
Lab Order:	06050588	Tag Number:	01428
Project:	South Mesa/4972	Collection Date:	5/3/2006 9:40:00 AM
Lab ID:	06050588-01A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
1,1,1-Trichloroethane	< 1.0	1.0	< 5.5	5.5	2	5/3/2006	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	< 7.0	7.0	2	5/3/2006	
1,1,2-Trichloroethane	< 1.0	1.0	< 5.5	5.5	2	5/3/2006	
1,1-Dichloroethane	< 1.0	1.0	< 4.1	4.1	2	5/3/2006	
1,1-Dichloroethene	< 1.0	1.0	< 4.0	4.0	2	5/3/2006	
1,2,4-Trichlorobenzene	< 4.0	4.0	< 30	30	2	5/3/2006	
1,2,4-Trimethylbenzene	2.8	1.0	14	5.0	2	5/3/2006	
1,2-Dibromoethane	< 1.0	1.0	< 7.8	7.8	2	5/3/2006	
1,2-Dichlorobenzene	< 1.0	1.0	< 6.1	6.1	2	5/3/2006	
1,2-Dichloroethane	< 1.0	1.0	< 4.1	4.1	2	5/3/2006	
1,2-Dichloropropane	< 1.0	1.0	< 4.7	4.7	2	5/3/2006	
1,3,5-Trimethylbenzene	< 1.0	1.0	< 5.0	5.0	2	5/3/2006	
1,3-Butadiene	< 1.0	1.0	< 2.2	2.2	2	5/3/2006	
1,3-Dichlorobenzene	< 1.0	1.0	< 6.1	6.1	2	5/3/2006	
1,4-Dichlorobenzene	< 1.0	1.0	< 6.1	6.1	2	5/3/2006	
2,2,4-Trimethylpentane	< 1.0	1.0	< 4.7	4.7	2	5/3/2006	
2-Butanone (MEK)	5.7	2.0	17	6.0	2	5/3/2006	
2-Hexanone	< 2.0	2.0	< 8.3	8.3	2	5/3/2006	
2-Propanol	< 4.0	4.0	< 10	10	2	5/3/2006	
4-Ethyltoluene	< 1.0	1.0	< 4.4	4.4	2	5/3/2006	
4-Methyl-2-pentanone	< 2.0	2.0	< 8.3	8.3	2	5/3/2006	
Acetone	37	10	89	24	2	5/3/2006	
Allyl chloride	< 1.0	1.0	< 1.6	1.6	2	5/3/2006	
Benzene	< 1.0	1.0	< 3.2	3.2	2	5/3/2006	
Benzyl chloride	< 4.0	4.0	< 21	21	2	5/3/2006	
Bromodichloromethane	< 1.0	1.0	< 6.8	6.8	2	5/3/2006	

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 1 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 19-May-06

CLIENT:	Mactec	Client Sample ID:	EFF
Lab Order:	06050588	Tag Number:	01428
Project:	South Mesa/4972	Collection Date:	5/3/2006 9:40:00 AM
Lab ID:	06050588-01A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Bromoethene(Vinyl Bromide)	< 1.0	1.0	< 2.2	2.2	2	5/3/2006	
Bromoform	< 1.0	1.0	< 10	10	2	5/3/2006	
Bromomethane	< 1.0	1.0	< 4.0	4.0	2	5/3/2006	
Carbon disulfide	< 1.0	1.0	< 3.2	3.2	2	5/3/2006	
Carbon tetrachloride	< 1.0	1.0	< 6.4	6.4	2	5/3/2006	
Chlorobenzene	< 1.0	1.0	< 4.7	4.7	2	5/3/2006	
Chloroethane	< 1.0	1.0	< 2.7	2.7	2	5/3/2006	
Chloroform	< 1.0	1.0	< 5.0	5.0	2	5/3/2006	
Chloromethane	< 1.0	1.0	< 2.1	2.1	2	5/3/2006	
cis-1,2-Dichloroethene	< 1.0	1.0	< 4.0	4.0	2	5/3/2006	
cis-1,3-Dichloropropene	< 1.0	1.0	< 4.6	4.6	2	5/3/2006	
Cyclohexane	< 1.0	1.0	< 3.5	3.5	2	5/3/2006	
Dibromochloromethane	< 1.0	1.0	< 8.6	8.6	2	5/3/2006	
Dichlorodifluoromethane(F-12)	< 1.0	1.0	< 5.0	5.0	2	5/3/2006	
Dichlorotetrafluoroethane(F-114)	< 1.0	1.0	< 7.1	7.1	2	5/3/2006	
Ethyl Acetate	< 1.0	1.0	< 3.7	3.7	2	5/3/2006	
Ethylbenzene	< 1.0	1.0	< 4.4	4.4	2	5/3/2006	
Heptane	1.6	1.0	6.7	4.2	2	5/3/2006	
Hexachlorobutadiene	< 2.0	2.0	< 22	22	2	5/3/2006	
Hexane	1.1	1.0	3.9	3.6	2	5/3/2006	
m&p-Xylene	< 2.0	2.0	< 8.8	8.8	2	5/3/2006	
Methyl tert-butyl ether	< 2.0	2.0	< 7.3	7.3	2	5/3/2006	
Methylene chloride	< 1.0	1.0	< 3.5	3.5	2	5/3/2006	
o-Xylene	< 1.0	1.0	< 4.4	4.4	2	5/3/2006	
Propene (Propylene)	1.1	1.0	1.9	1.8	2	5/3/2006	
Styrene	< 1.0	1.0	< 4.3	4.3	2	5/3/2006	

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 2 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 19-May-06

CLIENT: Mactec

Client Sample ID: EFF

Lab Order: 06050588

Tag Number: 01428

Project: South Mesa/4972

Collection Date: 5/3/2006 9:40:00 AM

Lab ID: 06050588-01A

Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Tetrachloroethene	< 1.0	1.0	< 6.9	6.9	2	5/3/2006	
Tetrahydrofuran	< 4.0	4.0	< 12	12	2	5/3/2006	
Toluene	1.6	1.0	6.1	3.8	2	5/3/2006	
trans-1,2-Dichloroethene	< 1.0	1.0	< 4.0	4.0	2	5/3/2006	
trans-1,3-Dichloropropene	< 1.0	1.0	< 4.6	4.6	2	5/3/2006	
Trichloroethene	< 1.0	1.0	< 5.5	5.5	2	5/3/2006	
Trichlorofluoromethane(F-11)	< 1.0	1.0	< 5.7	5.7	2	5/3/2006	
Trichlorotrifluoroethane(F-113)	< 1.0	1.0	< 7.8	7.8	2	5/3/2006	
Vinyl acetate	< 1.0	1.0	< 3.6	3.6	2	5/3/2006	
Vinyl chloride	< 1.0	1.0	< 2.6	2.6	2	5/3/2006	
Surr: 4-Bromofluorobenzene	105 %REC	70-130	-	-	2	5/3/2006	

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 3 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 19-May-06

CLIENT:	Mactec	Client Sample ID:	INT
Lab Order:	06050588	Tag Number:	01239
Project:	South Mesa/4972	Collection Date:	5/3/2006 9:50:00 AM
Lab ID:	06050588-02A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15		Analyst: KPD			
1,1,1-Trichloroethane	< 5.0	5.0	< 28	28	10	5/12/2006	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	< 35	35	10	5/12/2006	
1,1,2-Trichloroethane	< 5.0	5.0	< 28	28	10	5/12/2006	
1,1-Dichloroethane	11	5.0	45	21	10	5/12/2006	
1,1-Dichloroethene	7.2	5.0	29	20	10	5/12/2006	
1,2,4-Trichlorobenzene	< 20	20	< 150	150	10	5/12/2006	
1,2,4-Trimethylbenzene	< 5.0	5.0	< 25	25	10	5/12/2006	
1,2-Dibromoethane	< 5.0	5.0	< 39	39	10	5/12/2006	
1,2-Dichlorobenzene	< 5.0	5.0	< 31	31	10	5/12/2006	
1,2-Dichloroethane	< 5.0	5.0	< 21	21	10	5/12/2006	
1,2-Dichloropropane	< 5.0	5.0	< 24	24	10	5/12/2006	
1,3,5-Trimethylbenzene	< 5.0	5.0	< 25	25	10	5/12/2006	
1,3-Butadiene	< 5.0	5.0	< 11	11	10	5/12/2006	
1,3-Dichlorobenzene	< 5.0	5.0	< 31	31	10	5/12/2006	
1,4-Dichlorobenzene	< 5.0	5.0	< 31	31	10	5/12/2006	
2,2,4-Trimethylpentane	26	5.0	120	24	10	5/12/2006	
2-Butanone (MEK)	< 10	10	< 30	30	10	5/12/2006	
2-Hexanone	< 10	10	< 42	42	10	5/12/2006	
2-Propanol	< 20	20	< 50	50	10	5/12/2006	
4-Ethyltoluene	< 5.0	5.0	< 22	22	10	5/12/2006	
4-Methyl-2-pentanone	< 10	10	< 42	42	10	5/12/2006	
Acetone	< 50	50	< 120	120	10	5/12/2006	
Allyl chloride	< 5.0	5.0	< 8.0	8.0	10	5/12/2006	
Benzene	< 5.0	5.0	< 16	16	10	5/12/2006	
Benzyl chloride	< 20	20	< 110	110	10	5/12/2006	
Bromodichloromethane	< 5.0	5.0	< 34	34	10	5/12/2006	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 * - Value exceeds Maximum Contaminant Level

Page 4 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 19-May-06

CLIENT: Mactec

Client Sample ID: INT

Lab Order: 06050588

Tag Number: 01239

Project: South Mesa/4972

Collection Date: 5/3/2006 9:50:00 AM

Lab ID: 06050588-02A

Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Bromoethene(Vinyl Bromide)	< 5.0	5.0	< 11	11	10	5/12/2006	
Bromoform	< 5.0	5.0	< 52	52	10	5/12/2006	
Bromomethane	< 5.0	5.0	< 20	20	10	5/12/2006	
Carbon disulfide	< 5.0	5.0	< 16	16	10	5/12/2006	
Carbon tetrachloride	< 5.0	5.0	< 32	32	10	5/12/2006	
Chlorobenzene	< 5.0	5.0	< 24	24	10	5/12/2006	
Chloroethane	< 5.0	5.0	< 13	13	10	5/12/2006	
Chloroform	< 5.0	5.0	< 25	25	10	5/12/2006	
Chloromethane	< 5.0	5.0	< 10	10	10	5/12/2006	
cis-1,2-Dichloroethene	< 5.0	5.0	< 20	20	10	5/12/2006	
cis-1,3-Dichloropropene	< 5.0	5.0	< 23	23	10	5/12/2006	
Cyclohexane	< 5.0	5.0	< 17	17	10	5/12/2006	
Dibromochloromethane	< 5.0	5.0	< 43	43	10	5/12/2006	
Dichlorodifluoromethane(F-12)	< 5.0	5.0	< 25	25	10	5/12/2006	
Dichlorotetrafluoroethane(F-114)	< 5.0	5.0	< 36	36	10	5/12/2006	
Ethyl Acetate	< 5.0	5.0	< 18	18	10	5/12/2006	
Ethylbenzene	< 5.0	5.0	< 22	22	10	5/12/2006	
Heptane	< 5.0	5.0	< 21	21	10	5/12/2006	
Hexachlorobutadiene	< 10	10	< 110	110	10	5/12/2006	
Hexane	< 5.0	5.0	< 18	18	10	5/12/2006	
m&p-Xylene	< 10	10	< 44	44	10	5/12/2006	
Methyl tert-butyl ether	< 10	10	< 37	37	10	5/12/2006	
Methylene chloride	< 5.0	5.0	< 18	18	10	5/12/2006	
o-Xylene	< 5.0	5.0	< 22	22	10	5/12/2006	
Propene (Propylene)	< 5.0	5.0	< 8.8	8.8	10	5/12/2006	
Styrene	< 5.0	5.0	< 22	22	10	5/12/2006	

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 5 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 19-May-06

CLIENT:	Mactec	Client Sample ID:	INT
Lab Order:	06050588	Tag Number:	01239
Project:	South Mesa/4972	Collection Date:	5/3/2006 9:50:00 AM
Lab ID:	06050588-02A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Tetrachloroethene	260	5.0	1800	34	D2	10	5/12/2006
Tetrahydrofuran	< 20	20	< 60	60		10	5/12/2006
Toluene	< 5.0	5.0	< 19	19		10	5/12/2006
trans-1,2-Dichloroethene	< 5.0	5.0	< 20	20		10	5/12/2006
trans-1,3-Dichloropropene	< 5.0	5.0	< 23	23		10	5/12/2006
Trichloroethene	< 5.0	5.0	< 28	28		10	5/12/2006
Trichlorofluoromethane(F-11)	< 5.0	5.0	< 28	28		10	5/12/2006
Trichlorotrifluoroethane(F-113)	< 5.0	5.0	< 39	39		10	5/12/2006
Vinyl acetate	< 5.0	5.0	< 18	18		10	5/12/2006
Vinyl chloride	< 5.0	5.0	< 13	13		10	5/12/2006
Surr: 4-Bromofluorobenzene	105 %REC	70-130	-	-		10	5/12/2006

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 6 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 19-May-06

CLIENT: Mactec
Lab Order: 06050588
Project: South Mesa/4972
Lab ID: 06050588-03A

Client Sample ID: INF
Tag Number: 00619
Collection Date: 5/3/2006 10:00:00 AM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
1,1,1-Trichloroethane	< 5.0	5.0	< 28	28	10	5/12/2006	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	< 35	35	10	5/12/2006	
1,1,2-Trichloroethane	< 5.0	5.0	< 28	28	10	5/12/2006	
1,1-Dichloroethane	14	5.0	58	21	10	5/12/2006	
1,1-Dichloroethene	12	5.0	48	20	10	5/12/2006	
1,2,4-Trichlorobenzene	< 20	20	< 150	150	10	5/12/2006	
1,2,4-Trimethylbenzene	< 5.0	5.0	< 25	25	10	5/12/2006	
1,2-Dibromoethane	< 5.0	5.0	< 39	39	10	5/12/2006	
1,2-Dichlorobenzene	< 5.0	5.0	< 31	31	10	5/12/2006	
1,2-Dichloroethane	< 5.0	5.0	< 21	21	10	5/12/2006	
1,2-Dichloropropane	< 5.0	5.0	< 24	24	10	5/12/2006	
1,3,5-Trimethylbenzene	< 5.0	5.0	< 25	25	10	5/12/2006	
1,3-Butadiene	< 5.0	5.0	< 11	11	10	5/12/2006	
1,3-Dichlorobenzene	< 5.0	5.0	< 31	31	10	5/12/2006	
1,4-Dichlorobenzene	< 5.0	5.0	< 31	31	10	5/12/2006	
2,2,4-Trimethylpentane	< 5.0	5.0	< 24	24	10	5/12/2006	
2-Butanone (MEK)	< 10	10	< 30	30	10	5/12/2006	
2-Hexanone	< 10	10	< 42	42	10	5/12/2006	
2-Propanol	< 20	20	< 50	50	10	5/12/2006	
4-Ethyltoluene	< 5.0	5.0	< 22	22	10	5/12/2006	
4-Methyl-2-pentanone	< 10	10	< 42	42	10	5/12/2006	
Acetone	< 50	50	< 120	120	10	5/12/2006	
Allyl chloride	< 5.0	5.0	< 8.0	8.0	10	5/12/2006	
Benzene	< 5.0	5.0	< 16	16	10	5/12/2006	
Benzyl chloride	< 20	20	< 110	110	10	5/12/2006	
Bromodichloromethane	< 5.0	5.0	< 34	34	10	5/12/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 7 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 19-May-06

CLIENT: Mactec

Client Sample ID: INF

Lab Order: 06050588

Tag Number: 00619

Project: South Mesa/4972

Collection Date: 5/3/2006 10:00:00 AM

Lab ID: 06050588-03A

Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Bromoethene(Vinyl Bromide)	< 5.0	5.0	< 11	11	10	5/12/2006	
Bromoform	< 5.0	5.0	< 52	52	10	5/12/2006	
Bromomethane	< 5.0	5.0	< 20	20	10	5/12/2006	
Carbon disulfide	< 5.0	5.0	< 16	16	10	5/12/2006	
Carbon tetrachloride	< 5.0	5.0	< 32	32	10	5/12/2006	
Chlorobenzene	< 5.0	5.0	< 24	24	10	5/12/2006	
Chloroethane	< 5.0	5.0	< 13	13	10	5/12/2006	
Chloroform	7.4	5.0	37	25	10	5/12/2006	
Chloromethane	< 5.0	5.0	< 10	10	10	5/12/2006	
cis-1,2-Dichloroethene	< 5.0	5.0	< 20	20	10	5/12/2006	
cis-1,3-Dichloropropene	< 5.0	5.0	< 23	23	10	5/12/2006	
Cyclohexane	< 5.0	5.0	< 17	17	10	5/12/2006	
Dibromochloromethane	< 5.0	5.0	< 43	43	10	5/12/2006	
Dichlorodifluoromethane(F-12)	< 5.0	5.0	< 25	25	10	5/12/2006	
Dichlorotetrafluoroethane(F-114)	< 5.0	5.0	< 36	36	10	5/12/2006	
Ethyl Acetate	< 5.0	5.0	< 18	18	10	5/12/2006	
Ethylbenzene	< 5.0	5.0	< 22	22	10	5/12/2006	
Heptane	< 5.0	5.0	< 21	21	10	5/12/2006	
Hexachlorobutadiene	< 10	10	< 110	110	10	5/12/2006	
Hexane	< 5.0	5.0	< 18	18	10	5/12/2006	
m&p-Xylene	< 10	10	< 44	44	10	5/12/2006	
Methyl tert-butyl ether	< 10	10	< 37	37	10	5/12/2006	
Methylene chloride	< 5.0	5.0	< 18	18	10	5/12/2006	
o-Xylene	< 5.0	5.0	< 22	22	10	5/12/2006	
Propene (Propylene)	< 5.0	5.0	< 8.8	8.8	10	5/12/2006	
Styrene	< 5.0	5.0	< 22	22	10	5/12/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

Page 8 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 19-May-06

CLIENT: Mactec

Client Sample ID: INF

Lab Order: 06050588

Tag Number: 00619

Project: South Mesa/4972

Collection Date: 5/3/2006 10:00:00 AM

Lab ID: 06050588-03A

Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Tetrachloroethene	220	5.0	1500	34	D2	10	5/12/2006
Tetrahydrofuran	< 20	20	< 60	60		10	5/12/2006
Toluene	< 5.0	5.0	< 19	19		10	5/12/2006
trans-1,2-Dichloroethene	< 5.0	5.0	< 20	20		10	5/12/2006
trans-1,3-Dichloropropene	< 5.0	5.0	< 23	23		10	5/12/2006
Trichloroethene	< 5.0	5.0	< 28	28		10	5/12/2006
Trichlorofluoromethane(F-11)	< 5.0	5.0	< 28	28		10	5/12/2006
Trichlorotrifluoroethane(F-113)	< 5.0	5.0	< 39	39		10	5/12/2006
Vinyl acetate	< 5.0	5.0	< 18	18		10	5/12/2006
Vinyl chloride	< 5.0	5.0	< 13	13		10	5/12/2006
Surr: 4-Bromofluorobenzene	103 %REC	70-130	-	-		10	5/12/2006

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 9 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 19-May-06

CLIENT:	Mactec	Client Sample ID:	VW-7B
Lab Order:	06050588	Tag Number:	00163
Project:	South Mesa/4972	Collection Date:	5/3/2006 10:15:00 AM
Lab ID:	06050588-04A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
1,1,1-Trichloroethane	< 5.0	5.0	< 28	28	10	5/12/2006	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	< 35	35	10	5/12/2006	
1,1,2-Trichloroethane	< 5.0	5.0	< 28	28	10	5/12/2006	
1,1-Dichloroethane	12	5.0	49	21	10	5/12/2006	
1,1-Dichloroethene	10	5.0	40	20	10	5/12/2006	
1,2,4-Trichlorobenzene	< 20	20	< 150	150	10	5/12/2006	
1,2,4-Trimethylbenzene	< 5.0	5.0	< 25	25	10	5/12/2006	
1,2-Dibromoethane	< 5.0	5.0	< 39	39	10	5/12/2006	
1,2-Dichlorobenzene	< 5.0	5.0	< 31	31	10	5/12/2006	
1,2-Dichloroethane	< 5.0	5.0	< 21	21	10	5/12/2006	
1,2-Dichloropropane	< 5.0	5.0	< 24	24	10	5/12/2006	
1,3,5-Trimethylbenzene	< 5.0	5.0	< 25	25	10	5/12/2006	
1,3-Butadiene	< 5.0	5.0	< 11	11	10	5/12/2006	
1,3-Dichlorobenzene	< 5.0	5.0	< 31	31	10	5/12/2006	
1,4-Dichlorobenzene	< 5.0	5.0	< 31	31	10	5/12/2006	
2,2,4-Trimethylpentane	< 5.0	5.0	< 24	24	10	5/12/2006	
2-Butanone (MEK)	< 10	10	< 30	30	10	5/12/2006	
2-Hexanone	< 10	10	< 42	42	10	5/12/2006	
2-Propanol	< 20	20	< 50	50	10	5/12/2006	
4-Ethyltoluene	< 5.0	5.0	< 22	22	10	5/12/2006	
4-Methyl-2-pentanone	< 10	10	< 42	42	10	5/12/2006	
Acetone	< 50	50	< 120	120	10	5/12/2006	
Allyl chloride	< 5.0	5.0	< 8.0	8.0	10	5/12/2006	
Benzene	< 5.0	5.0	< 16	16	10	5/12/2006	
Benzyl chloride	< 20	20	< 110	110	10	5/12/2006	
Bromodichloromethane	< 5.0	5.0	< 34	34	10	5/12/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 10 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 19-May-06

CLIENT: Mactec
Lab Order: 06050588
Project: South Mesa/4972
Lab ID: 06050588-04A

Client Sample ID: VW-7B
Tag Number: 00163
Collection Date: 5/3/2006 10:15:00 AM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Bromoethene(Vinyl Bromide)	< 5.0	5.0	< 11	11	10	5/12/2006	
Bromoform	< 5.0	5.0	< 52	52	10	5/12/2006	
Bromomethane	< 5.0	5.0	< 20	20	10	5/12/2006	
Carbon disulfide	< 5.0	5.0	< 16	16	10	5/12/2006	
Carbon tetrachloride	< 5.0	5.0	< 32	32	10	5/12/2006	
Chlorobenzene	< 5.0	5.0	< 24	24	10	5/12/2006	
Chloroethane	< 5.0	5.0	< 13	13	10	5/12/2006	
Chloroform	6.5	5.0	32	25	10	5/12/2006	
Chloromethane	< 5.0	5.0	< 10	10	10	5/12/2006	
cis-1,2-Dichloroethene	< 5.0	5.0	< 20	20	10	5/12/2006	
cis-1,3-Dichloropropene	< 5.0	5.0	< 23	23	10	5/12/2006	
Cyclohexane	< 5.0	5.0	< 17	17	10	5/12/2006	
Dibromochloromethane	< 5.0	5.0	< 43	43	10	5/12/2006	
Dichlorodifluoromethane(F-12)	< 5.0	5.0	< 25	25	10	5/12/2006	
Dichlorotetrafluoroethane(F-114)	< 5.0	5.0	< 36	36	10	5/12/2006	
Ethyl Acetate	< 5.0	5.0	< 18	18	10	5/12/2006	
Ethylbenzene	< 5.0	5.0	< 22	22	10	5/12/2006	
Heptane	< 5.0	5.0	< 21	21	10	5/12/2006	
Hexachlorobutadiene	< 10	10	< 110	110	10	5/12/2006	
Hexane	< 5.0	5.0	< 18	18	10	5/12/2006	
m&p-Xylene	< 10	10	< 44	44	10	5/12/2006	
Methyl tert-butyl ether	< 10	10	< 37	37	10	5/12/2006	
Methylene chloride	< 5.0	5.0	< 18	18	10	5/12/2006	
o-Xylene	< 5.0	5.0	< 22	22	10	5/12/2006	
Propene (Propylene)	< 5.0	5.0	< 8.8	8.8	10	5/12/2006	
Styrene	< 5.0	5.0	< 22	22	10	5/12/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 11 of 12



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental, Inc.

Date: 19-May-06

CLIENT:	Mactec	Client Sample ID:	VW-7B
Lab Order:	06050588	Tag Number:	00163
Project:	South Mesa/4972	Collection Date:	5/3/2006 10:15:00 AM
Lab ID:	06050588-04A	Matrix:	AIR

Analyses	ppbv		μg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Tetrachloroethene	190	5.0	1300	34	D2	10	5/12/2006
Tetrahydrofuran	< 20	20	< 60	60		10	5/12/2006
Toluene	< 5.0	5.0	< 19	19		10	5/12/2006
trans-1,2-Dichloroethene	< 5.0	5.0	< 20	20		10	5/12/2006
trans-1,3-Dichloropropene	< 5.0	5.0	< 23	23		10	5/12/2006
Trichloroethene	< 5.0	5.0	< 28	28		10	5/12/2006
Trichlorofluoromethane(F-11)	< 5.0	5.0	< 28	28		10	5/12/2006
Trichlorotrifluoroethane(F-113)	< 5.0	5.0	< 39	39		10	5/12/2006
Vinyl acetate	< 5.0	5.0	< 18	18		10	5/12/2006
Vinyl chloride	< 5.0	5.0	< 13	13		10	5/12/2006
Surr: 4-Bromofluorobenzene	102 %REC	70-130	-	-		10	5/12/2006

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	* - Value exceeds Maximum Contaminant Level	

Page 12 of 12

Aerotech Environmental, Inc.

Date: 16-May-06

CLIENT: Mactec

Work Order: 06050588

Project: South Mesa/4972

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R73656	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73656						
Client ID:	Batch ID: R73656	TestNo: TO15		Analysis Date: 5/3/2006	SeqNo: 875915						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	<0.50	0.50									
1,1,2,2-Tetrachloroethane	<0.50	0.50									
1,1,2-Trichloroethane	<0.50	0.50									
1,1-Dichloroethane	<0.50	0.50									
1,1-Dichloroethene	<0.50	0.50									
1,2,4-Trichlorobenzene	<2.0	2.0									
1,2,4-Trimethylbenzene	<0.50	0.50									
1,2-Dibromoethane	<0.50	0.50									
1,2-Dichlorobenzene	<0.50	0.50									
1,2-Dichloroethane	<0.50	0.50									
1,2-Dichloropropane	<0.50	0.50									
1,3,5-Trimethylbenzene	<0.50	0.50									
1,3-Butadiene	<0.50	0.50									
1,3-Dichlorobenzene	<0.50	0.50									
1,4-Dichlorobenzene	<0.50	0.50									
2,2,4-Trimethylpentane	<0.50	0.50									
2-Butanone (MEK)	<1.0	1.0									
2-Hexanone	<1.0	1.0									
2-Propanol	<2.0	2.0									
4-Ethyltoluene	<0.50	0.50									
4-Methyl-2-pentanone	<1.0	1.0									
Acetone	<5.0	5.0									
Allyl chloride	<0.50	0.50									
Benzene	<0.50	0.50									
Benzyl chloride	<2.0	2.0									
Bromodichloromethane	<0.50	0.50									
Bromoethene(Vinyl Bromide)	<0.50	0.50									
Bromoform	<0.50	0.50									

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT:

Mactec

Work Order:

06050588

Project:

South Mesa/4972

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R73656	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73656						
Client ID:	Batch ID: R73656	TestNo: TO15		Analysis Date: 5/3/2006	SeqNo: 875915						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	<0.50	0.50									
Carbon disulfide	<0.50	0.50									
Carbon tetrachloride	<0.50	0.50									
Chlorobenzene	<0.50	0.50									
Chloroethane	<0.50	0.50									
Chloroform	<0.50	0.50									
Chloromethane	<0.50	0.50									
cis-1,2-Dichloroethene	<0.50	0.50									
cis-1,3-Dichloropropene	<0.50	0.50									
Cyclohexane	<0.50	0.50									
Dibromochloromethane	<0.50	0.50									
Dichlorodifluoromethane(F-12)	<0.50	0.50									
Dichlorotetrafluoroethane(F-114)	<0.50	0.50									
Ethyl Acetate	<0.50	0.50									
Ethylbenzene	<0.50	0.50									
Heptane	<0.50	0.50									
Hexachlorobutadiene	<1.0	1.0									
Hexane	<0.50	0.50									
m&p-Xylene	<1.0	1.0									
Methyl tert-butyl ether	<1.0	1.0									
Methylene chloride	<0.50	0.50									
o-Xylene	<0.50	0.50									
Propene (Propylene)	<0.50	0.50									
Styrene	<0.50	0.50									
Tetrachloroethene	<0.50	0.50									
Tetrahydrofuran	<2.0	2.0									
Toluene	<0.50	0.50									
trans-1,2-Dichloroethene	<0.50	0.50									
trans-1,3-Dichloropropene	<0.50	0.50									

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Mactec
Work Order: 06050588
Project: South Mesa/4972

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R73656	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73656						
Client ID:	Batch ID: R73656	TestNo: TO15		Analysis Date: 5/3/2006	SeqNo: 875915						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	<0.50	0.50									
Trichlorofluoromethane(F-11)	<0.50	0.50									
Trichlorotrifluoroethane(F-113)	<0.50	0.50									
Vinyl acetate	<0.50	0.50									
Vinyl chloride	<0.50	0.50									
Surr: 4-Bromofluorobenzene	10.33	0.50	10	0	103	70	130				

Sample ID: MB-R74069	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 74069						
Client ID:	Batch ID: R74069	TestNo: TO15		Analysis Date: 5/12/2006	SeqNo: 880827						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	<0.50	0.50									
1,1,2,2-Tetrachloroethane	<0.50	0.50									
1,1,2-Trichloroethane	<0.50	0.50									
1,1-Dichloroethane	<0.50	0.50									
1,1-Dichloroethene	<0.50	0.50									
1,2,4-Trichlorobenzene	<2.0	2.0									
1,2,4-Trimethylbenzene	<0.50	0.50									
1,2-Dibromoethane	<0.50	0.50									
1,2-Dichlorobenzene	<0.50	0.50									
1,2-Dichloroethane	<0.50	0.50									
1,2-Dichloropropane	<0.50	0.50									
1,3,5-Trimethylbenzene	<0.50	0.50									
1,3-Butadiene	<0.50	0.50									
1,3-Dichlorobenzene	<0.50	0.50									
1,4-Dichlorobenzene	<0.50	0.50									
2,2,4-Trimethylpentane	<0.50	0.50									
2-Butanone (MEK)	<1.0	1.0									
2-Hexanone	<1.0	1.0									

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT:

Mactec

Work Order:

06050588

Project:

South Mesa/4972

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R74069	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 74069						
Client ID:	Batch ID: R74069	TestNo: TO15		Analysis Date: 5/12/2006	SeqNo: 880827						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Propanol	<2.0	2.0									
4-Ethyltoluene	<0.50	0.50									
4-Methyl-2-pentanone	<1.0	1.0									
Acetone	<5.0	5.0									
Allyl chloride	<0.50	0.50									
Benzene	<0.50	0.50									
Benzyl chloride	<2.0	2.0									
Bromodichloromethane	<0.50	0.50									
Bromoethene(Vinyl Bromide)	<0.50	0.50									
Bromoform	<0.50	0.50									
Bromomethane	<0.50	0.50									
Carbon disulfide	<0.50	0.50									
Carbon tetrachloride	<0.50	0.50									
Chlorobenzene	<0.50	0.50									
Chloroethane	<0.50	0.50									
Chloroform	<0.50	0.50									
Chloromethane	<0.50	0.50									
cis-1,2-Dichloroethene	<0.50	0.50									
cis-1,3-Dichloropropene	<0.50	0.50									
Cyclohexane	<0.50	0.50									
Dibromochloromethane	<0.50	0.50									
Dichlorodifluoromethane(F-12)	<0.50	0.50									
Dichlorotetrafluoroethane(F-114)	<0.50	0.50									
Ethyl Acetate	<0.50	0.50									
Ethylbenzene	<0.50	0.50									
Heptane	<0.50	0.50									
Hexachlorobutadiene	<1.0	1.0									
Hexane	<0.50	0.50									
m&p-Xylene	<1.0	1.0									

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Mactec
Work Order: 06050588
Project: South Mesa/4972
TestCode: TO15
ANALYTICAL QC SUMMARY REPORT

Sample ID: MB-R74069	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 74069						
Client ID:	Batch ID: R74069	TestNo: TO15		Analysis Date: 5/12/2006	SeqNo: 880827						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	<1.0	1.0									
Methylene chloride	<0.50	0.50									
o-Xylene	<0.50	0.50									
Propene (Propylene)	<0.50	0.50									
Styrene	<0.50	0.50									
Tetrachloroethene	<0.50	0.50									
Tetrahydrofuran	<2.0	2.0									
Toluene	<0.50	0.50									
trans-1,2-Dichloroethene	<0.50	0.50									
trans-1,3-Dichloropropene	<0.50	0.50									
Trichloroethene	<0.50	0.50									
Trichlorofluoromethane(F-11)	<0.50	0.50									
Trichlorotrifluoroethane(F-113)	<0.50	0.50									
Vinyl acetate	<0.50	0.50									
Vinyl chloride	<0.50	0.50									
Surr: 4-Bromofluorobenzene	9.870	0.50	10	0	98.7	70	130				

Sample ID: LCS-R73656	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73656						
Client ID:	Batch ID: R73656	TestNo: TO15		Analysis Date: 5/3/2006	SeqNo: 875917						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	8.880	0.50	10	0	88.8	65	135				
1,1,2,2-Tetrachloroethane	8.620	0.50	10	0	86.2	65	135				
1,1,2-Trichloroethane	8.900	0.50	10	0	89.0	65	135				
1,1-Dichloroethane	8.700	0.50	10	0	87.0	65	135				
1,1-Dichloroethene	8.760	0.50	10	0	87.6	65	135				
1,2,4-Trichlorobenzene	7.410	2.0	10	0	74.1	65	135				
1,2,4-Trimethylbenzene	8.810	0.50	10	0	88.1	65	135				
1,2-Dibromoethane	8.940	0.50	10	0	89.4	65	135				

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

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CLIENT:

Mactec

Work Order:

06050588

Project:

South Mesa/4972

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R73656	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73656						
Client ID:	Batch ID: R73656	TestNo: TO15		Analysis Date: 5/3/2006	SeqNo: 875917						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichlorobenzene	8.610	0.50	10	0	86.1	65	135				
1,2-Dichloroethane	8.930	0.50	10	0	89.3	65	135				
1,2-Dichloropropane	8.700	0.50	10	0	87.0	65	135				
1,3,5-Trimethylbenzene	8.880	0.50	10	0	88.8	65	135				
1,3-Butadiene	8.770	0.50	10	0	87.7	65	135				
1,3-Dichlorobenzene	8.600	0.50	10	0	86.0	65	135				
1,4-Dichlorobenzene	8.590	0.50	10	0	85.9	65	135				
2,2,4-Trimethylpentane	8.710	0.50	10	0	87.1	65	135				
2-Butanone (MEK)	8.770	1.0	10	0	87.7	65	135				
2-Hexanone	8.860	1.0	10	0	88.6	65	135				
2-Propanol	7.620	2.0	10	0	76.2	65	135				
4-Ethyltoluene	8.860	0.50	10	0	88.6	65	135				
4-Methyl-2-pentanone	9.130	1.0	10	0	91.3	65	135				
Acetone	8.240	5.0	10	0	82.4	65	135				
Allyl chloride	8.720	0.50	10	0	87.2	65	135				
Benzene	8.380	0.50	10	0	83.8	65	135				
Benzyl chloride	8.160	2.0	10	0	81.6	65	135				
Bromodichloromethane	9.100	0.50	10	0	91.0	65	135				
Bromoethene(Vinyl Bromide)	8.950	0.50	10	0	89.5	65	135				
Bromoform	8.860	0.50	10	0	88.6	65	135				
Bromomethane	9.110	0.50	10	0	91.1	65	135				
Carbon disulfide	8.640	0.50	10	0	86.4	65	135				
Carbon tetrachloride	8.950	0.50	10	0	89.5	65	135				
Chlorobenzene	8.700	0.50	10	0	87.0	65	135				
Chloroethane	8.690	0.50	10	0	86.9	65	135				
Chloroform	8.710	0.50	10	0	87.1	65	135				
Chloromethane	9.000	0.50	10	0	90.0	65	135				
cis-1,2-Dichloroethene	8.550	0.50	10	0	85.5	65	135				
cis-1,3-Dichloropropene	9.320	0.50	10	0	93.2	65	135				

Qualifiers: E Value above quantitation range

ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits

J Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits

CLIENT: Mactec
Work Order: 06050588
Project: South Mesa/4972
ANALYTICAL QC SUMMARY REPORT
TestCode: TO15

Sample ID: LCS-R73656	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73656						
Client ID:	Batch ID: R73656	TestNo: TO15		Analysis Date: 5/3/2006	SeqNo: 875917						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyclohexane	8.660	0.50	10	0	86.6	65	135				
Dibromochloromethane	9.060	0.50	10	0	90.6	65	135				
Dichlorodifluoromethane(F-12)	8.980	0.50	10	0	89.8	65	135				
Dichlorotetrafluoroethane(F-114)	8.960	0.50	10	0	89.6	65	135				
Ethyl Acetate	8.890	0.50	10	0	88.9	65	135				
Ethylbenzene	8.820	0.50	10	0	88.2	65	135				
Heptane	8.870	0.50	10	0	88.7	65	135				
Hexachlorobutadiene	8.930	1.0	10	0	89.3	65	135				
Hexane	8.910	0.50	10	0	89.1	65	135				
m&p-Xylene	17.71	1.0	20	0	88.6	65	135				
Methyl tert-butyl ether	8.960	1.0	10	0	89.6	65	135				
Methylene chloride	8.250	0.50	10	0	82.5	65	135				
o-Xylene	8.830	0.50	10	0	88.3	65	135				
Propene (Propylene)	8.740	0.50	10	0	87.4	65	135				
Styrene	8.870	0.50	10	0	88.7	65	135				
Tetrachloroethene	8.940	0.50	10	0	89.4	65	135				
Tetrahydrofuran	8.880	2.0	10	0	88.8	65	135				
Toluene	8.880	0.50	10	0	88.8	65	135				
trans-1,2-Dichloroethene	8.450	0.50	10	0	84.5	65	135				
trans-1,3-Dichloropropene	9.390	0.50	10	0	93.9	65	135				
Trichloroethene	8.860	0.50	10	0	88.6	65	135				
Trichlorofluoromethane(F-11)	9.160	0.50	10	0	91.6	65	135				
Trichlorotrifluoroethane(F-113)	8.730	0.50	10	0	87.3	65	135				
Vinyl acetate	9.020	0.50	10	0	90.2	65	135				
Vinyl chloride	8.770	0.50	10	0	87.7	65	135				
Surr: 4-Bromofluorobenzene	10.64	0.50	10	0	106	70	130				

Qualifiers: E Value above quantitation range
 ND Not Detected at the Reporting Limit
 H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT:

Mactec

Work Order:

06050588

Project:

South Mesa/4972

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R74069	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 74069						
Client ID:	Batch ID: R74069	TestNo: TO15		Analysis Date: 5/11/2006	SeqNo: 880829						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	9.410	0.50	10	0	94.1	65	135				
1,1,2,2-Tetrachloroethane	9.080	0.50	10	0	90.8	65	135				
1,1,2-Trichloroethane	9.400	0.50	10	0	94.0	65	135				
1,1-Dichloroethane	9.310	0.50	10	0	93.1	65	135				
1,1-Dichloroethene	9.320	0.50	10	0	93.2	65	135				
1,2,4-Trichlorobenzene	7.770	2.0	10	0	77.7	65	135				
1,2,4-Trimethylbenzene	9.240	0.50	10	0	92.4	65	135				
1,2-Dibromoethane	9.370	0.50	10	0	93.7	65	135				
1,2-Dichlorobenzene	9.110	0.50	10	0	91.1	65	135				
1,2-Dichloroethane	9.420	0.50	10	0	94.2	65	135				
1,2-Dichloropropane	9.230	0.50	10	0	92.3	65	135				
1,3,5-Trimethylbenzene	9.330	0.50	10	0	93.3	65	135				
1,3-Butadiene	9.280	0.50	10	0	92.8	65	135				
1,3-Dichlorobenzene	9.110	0.50	10	0	91.1	65	135				
1,4-Dichlorobenzene	9.040	0.50	10	0	90.4	65	135				
2,2,4-Trimethylpentane	9.150	0.50	10	0	91.5	65	135				
2-Butanone (MEK)	9.300	1.0	10	0	93.0	65	135				
2-Hexanone	9.330	1.0	10	0	93.3	65	135				
2-Propanol	8.090	2.0	10	0	80.9	65	135				
4-Ethyltoluene	9.300	0.50	10	0	93.0	65	135				
4-Methyl-2-pentanone	9.660	1.0	10	0	96.6	65	135				
Acetone	8.760	5.0	10	0	87.6	65	135				
Allyl chloride	9.230	0.50	10	0	92.3	65	135				
Benzene	9.030	0.50	10	0	90.3	65	135				
Benzyl chloride	8.410	2.0	10	0	84.1	65	135				
Bromodichloromethane	9.500	0.50	10	0	95.0	65	135				
Bromoethene(Vinyl Bromide)	9.520	0.50	10	0	95.2	65	135				
Bromoform	9.260	0.50	10	0	92.6	65	135				
Bromomethane	9.660	0.50	10	0	96.6	65	135				

Qualifiers: E Value above quantitation range

ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits

J Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits

CLIENT: Mactec

Work Order: 06050588

Project: South Mesa/4972

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R74069	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 74069						
Client ID:	Batch ID: R74069	TestNo: TO15		Analysis Date: 5/11/2006	SeqNo: 880829						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	9.240	0.50	10	0	92.4	65	135				
Carbon tetrachloride	9.510	0.50	10	0	95.1	65	135				
Chlorobenzene	9.130	0.50	10	0	91.3	65	135				
Chloroethane	9.350	0.50	10	0	93.5	65	135				
Chloroform	9.240	0.50	10	0	92.4	65	135				
Chloromethane	9.530	0.50	10	0	95.3	65	135				
cis-1,2-Dichloroethene	9.160	0.50	10	0	91.6	65	135				
cis-1,3-Dichloropropene	9.780	0.50	10	0	97.8	65	135				
Cyclohexane	9.270	0.50	10	0	92.7	65	135				
Dibromochloromethane	9.440	0.50	10	0	94.4	65	135				
Dichlorodifluoromethane(F-12)	9.460	0.50	10	0	94.6	65	135				
Dichlorotetrafluoroethane(F-114)	9.570	0.50	10	0	95.7	65	135				
Ethyl Acetate	9.380	0.50	10	0	93.8	65	135				
Ethylbenzene	9.250	0.50	10	0	92.5	65	135				
Heptane	9.340	0.50	10	0	93.4	65	135				
Hexachlorobutadiene	9.420	1.0	10	0	94.2	65	135				
Hexane	9.540	0.50	10	0	95.4	65	135				
m&p-Xylene	18.12	1.0	20	0	90.6	65	135				
Methyl tert-butyl ether	9.540	1.0	10	0	95.4	65	135				
Methylene chloride	8.800	0.50	10	0	88.0	65	135				
o-Xylene	9.320	0.50	10	0	93.2	65	135				
Propene (Propylene)	9.250	0.50	10	0	92.5	65	135				
Styrene	9.320	0.50	10	0	93.2	65	135				
Tetrachloroethene	9.390	0.50	10	0	93.9	65	135				
Tetrahydrofuran	9.360	2.0	10	0	93.6	65	135				
Toluene	9.370	0.50	10	0	93.7	65	135				
trans-1,2-Dichloroethene	9.140	0.50	10	0	91.4	65	135				
trans-1,3-Dichloropropene	9.740	0.50	10	0	97.4	65	135				
Trichloroethene	9.390	0.50	10	0	93.9	65	135				

Qualifiers: E Value above quantization range ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits

R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT:

Mactec

Work Order:

06050588

Project:

South Mesa/4972

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R74069	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 74069						
Client ID:	Batch ID: R74069	TestNo: TO15		Analysis Date: 5/11/2006	SeqNo: 880829						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichlorofluoromethane(F-11)

Trichlorotrifluoroethane(F-113)

Vinyl acetate

Vinyl chloride

Surr: 4-Bromofluorobenzene

Sample ID: LCSD-R73656	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 73656						
Client ID:	Batch ID: R73656	TestNo: TO15		Analysis Date: 5/3/2006	SeqNo: 875918						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane

1,1,2,2-Tetrachloroethane

1,1,2-Trichloroethane

1,1-Dichloroethane

1,1-Dichloroethene

1,2,4-Trichlorobenzene

1,2,4-Trimethylbenzene

1,2-Dibromoethane

1,2-Dichlorobenzene

1,2-Dichloroethane

1,2-Dichloropropane

1,3,5-Trimethylbenzene

1,3-Butadiene

1,3-Dichlorobenzene

1,4-Dichlorobenzene

2,2,4-Trimethylpentane

2-Butanone (MEK)

2-Hexanone

2-Propanol

Qualifiers: E Value above quantitation range

ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits

J Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits

CLIENT: Mactec

Work Order: 06050588

Project: South Mesa/4972

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCSD-R73656		SampType: LCSD		TestCode: TO15		Units: ppbv		Prep Date:		RunNo: 73656	
Client ID:		Batch ID: R73656		TestNo: TO15				Analysis Date: 5/3/2006		SeqNo: 875918	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Ethyltoluene	8.960	0.50	10	0	89.6	65	135	8.860	1.12	25	25
4-Methyl-2-pentanone	9.310	1.0	10	0	93.1	65	135	9.130	1.95	25	25
Acetone	8.420	5.0	10	0	84.2	65	135	8.240	2.16	25	25
Allyl chloride	8.920	0.50	10	0	89.2	65	135	8.720	2.27	25	25
Benzene	8.610	0.50	10	0	86.1	65	135	8.380	2.71	25	25
Benzyl chloride	8.370	2.0	10	0	83.7	65	135	8.160	2.54	25	25
Bromodichloromethane	9.130	0.50	10	0	91.3	65	135	9.100	0.329	25	25
Bromoethene(Vinyl Bromide)	9.060	0.50	10	0	90.6	65	135	8.950	1.22	25	25
Bromoform	8.980	0.50	10	0	89.8	65	135	8.860	1.35	25	25
Bromomethane	8.960	0.50	10	0	89.6	65	135	9.110	1.66	25	25
Carbon disulfide	8.850	0.50	10	0	88.5	65	135	8.640	2.40	25	25
Carbon tetrachloride	9.080	0.50	10	0	90.8	65	135	8.950	1.44	25	25
Chlorobenzene	8.760	0.50	10	0	87.6	65	135	8.700	0.687	25	25
Chloroethane	8.730	0.50	10	0	87.3	65	135	8.690	0.459	25	25
Chloroform	8.860	0.50	10	0	88.6	65	135	8.710	1.71	25	25
Chloromethane	9.150	0.50	10	0	91.5	65	135	9.000	1.65	25	25
cis-1,2-Dichloroethene	8.760	0.50	10	0	87.6	65	135	8.550	2.43	25	25
cis-1,3-Dichloropropene	9.330	0.50	10	0	93.3	65	135	9.320	0.107	25	25
Cyclohexane	8.890	0.50	10	0	88.9	65	135	8.660	2.62	25	25
Dibromochloromethane	8.990	0.50	10	0	89.9	65	135	9.060	0.776	25	25
Dichlorodifluoromethane(F-12)	9.060	0.50	10	0	90.6	65	135	8.980	0.887	25	25
Dichlorotetrafluoroethane(F-114)	9.090	0.50	10	0	90.9	65	135	8.960	1.44	25	25
Ethyl Acetate	9.030	0.50	10	0	90.3	65	135	8.890	1.56	25	25
Ethylbenzene	8.920	0.50	10	0	89.2	65	135	8.820	1.13	25	25
Heptane	8.910	0.50	10	0	89.1	65	135	8.870	0.450	25	25
Hexachlorobutadiene	8.860	1.0	10	0	88.6	65	135	8.930	0.787	25	25
Hexane	9.130	0.50	10	0	91.3	65	135	8.910	2.44	25	25
m&p-Xylene	17.43	1.0	20	0	87.2	65	135	17.71	1.59	25	25
Methyl tert-butyl ether	9.220	1.0	10	0	92.2	65	135	8.960	2.86	25	25

Qualifiers: E Value above quantitation range
 ND Not Detected at the Reporting Limit
 H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT:

Mactec

Work Order: 06050588

Project: South Mesa/4972

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCSD-R73656	SampType: LCSD	TestCode: TO15		Units: ppbv	Prep Date:		RunNo: 73656				
Client ID:	Batch ID: R73656	TestNo: TO15			Analysis Date: 5/3/2006		SeqNo: 875918				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methylene chloride	8.430	0.50	10	0	84.3	65	135	8.250	2.16	25	
o-Xylene	8.950	0.50	10	0	89.5	65	135	8.830	1.35	25	
Propene (Propylene)	9.110	0.50	10	0	91.1	65	135	8.740	4.15	25	
Styrene	9.010	0.50	10	0	90.1	65	135	8.870	1.57	25	
Tetrachloroethene	8.920	0.50	10	0	89.2	65	135	8.940	0.224	25	
Tetrahydrofuran	9.000	2.0	10	0	90.0	65	135	8.880	1.34	25	
Toluene	8.900	0.50	10	0	89.0	65	135	8.880	0.225	25	
trans-1,2-Dichloroethene	8.680	0.50	10	0	86.8	65	135	8.450	2.69	25	
trans-1,3-Dichloropropene	9.450	0.50	10	0	94.5	65	135	9.390	0.637	25	
Trichloroethene	8.860	0.50	10	0	88.6	65	135	8.860	0	25	
Trichlorofluoromethane(F-11)	9.210	0.50	10	0	92.1	65	135	9.160	0.544	25	
Trichlorotrifluoroethane(F-113)	8.870	0.50	10	0	88.7	65	135	8.730	1.59	25	
Vinyl acetate	9.260	0.50	10	0	92.6	65	135	9.020	2.63	25	
Vinyl chloride	9.050	0.50	10	0	90.5	65	135	8.770	3.14	25	
Surr: 4-Bromofluorobenzene	10.45	0.50	10	0	104	70	130	10.64	0	0	

Sample ID: LCSD-R74069	SampleType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 74069						
Client ID:	Batch ID: R74069	TestNo: TO15		Analysis Date: 5/11/2006	SeqNo: 880830						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	9.680	0.50	10	0	96.8	65	135	9.410	2.83	25	
1,1,2,2-Tetrachloroethane	9.390	0.50	10	0	93.9	65	135	9.080	3.36	25	
1,1,2-Trichloroethane	9.500	0.50	10	0	95.0	65	135	9.400	1.06	25	
1,1-Dichloroethane	9.520	0.50	10	0	95.2	65	135	9.310	2.23	25	
1,1-Dichloroethene	9.430	0.50	10	0	94.3	65	135	9.320	1.17	25	
1,2,4-Trichlorobenzene	8.070	2.0	10	0	80.7	65	135	7.770	3.79	25	
1,2,4-Trimethylbenzene	9.520	0.50	10	0	95.2	65	135	9.240	2.99	25	
1,2-Dibromoethane	9.570	0.50	10	0	95.7	65	135	9.370	2.11	25	
1,2-Dichlorobenzene	9.430	0.50	10	0	94.3	65	135	9.110	3.45	25	

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: Mactec
Work Order: 06050588
Project: South Mesa/4972

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCSD-R74069	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 74069						
Client ID:	Batch ID: R74069	TestNo: TO15		Analysis Date: 5/11/2006	SeqNo: 880830						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane	9.550	0.50	10	0	95.5	65	135	9.420	1.37	25	
1,2-Dichloropropane	9.370	0.50	10	0	93.7	65	135	9.230	1.51	25	
1,3,5-Trimethylbenzene	9.570	0.50	10	0	95.7	65	135	9.330	2.54	25	
1,3-Butadiene	9.560	0.50	10	0	95.6	65	135	9.280	2.97	25	
1,3-Dichlorobenzene	9.420	0.50	10	0	94.2	65	135	9.110	3.35	25	
1,4-Dichlorobenzene	9.400	0.50	10	0	94.0	65	135	9.040	3.90	25	
2,2,4-Trimethylpentane	9.370	0.50	10	0	93.7	65	135	9.150	2.38	25	
2-Butanone (MEK)	9.650	1.0	10	0	96.5	65	135	9.300	3.69	25	
2-Hexanone	9.640	1.0	10	0	96.4	65	135	9.330	3.27	25	
2-Propanol	8.440	2.0	10	0	84.4	65	135	8.090	4.23	25	
4-Ethyltoluene	9.570	0.50	10	0	95.7	65	135	9.300	2.86	25	
4-Methyl-2-pentanone	9.770	1.0	10	0	97.7	65	135	9.660	1.13	25	
Acetone	9.130	5.0	10	0	91.3	65	135	8.760	4.14	25	
Allyl chloride	9.530	0.50	10	0	95.3	65	135	9.230	3.20	25	
Benzene	9.240	0.50	10	0	92.4	65	135	9.030	2.30	25	
Benzyl chloride	8.690	2.0	10	0	86.9	65	135	8.410	3.27	25	
Bromodichloromethane	9.650	0.50	10	0	96.5	65	135	9.500	1.57	25	
Bromoethene(Vinyl Bromide)	9.670	0.50	10	0	96.7	65	135	9.520	1.56	25	
Bromoform	9.520	0.50	10	0	95.2	65	135	9.260	2.77	25	
Bromomethane	9.830	0.50	10	0	98.3	65	135	9.660	1.74	25	
Carbon disulfide	9.380	0.50	10	0	93.8	65	135	9.240	1.50	25	
Carbon tetrachloride	9.630	0.50	10	0	96.3	65	135	9.510	1.25	25	
Chlorobenzene	9.410	0.50	10	0	94.1	65	135	9.130	3.02	25	
Chloroethane	9.460	0.50	10	0	94.6	65	135	9.350	1.17	25	
Chloroform	9.450	0.50	10	0	94.5	65	135	9.240	2.25	25	
Chloromethane	9.670	0.50	10	0	96.7	65	135	9.530	1.46	25	
cis-1,2-Dichloroethene	9.410	0.50	10	0	94.1	65	135	9.160	2.69	25	
cis-1,3-Dichloropropene	9.930	0.50	10	0	99.3	65	135	9.780	1.52	25	
Cyclohexane	9.450	0.50	10	0	94.5	65	135	9.270	1.92	25	

Qualifiers: E Value above quantitation range
 ND Not Detected at the Reporting Limit
 H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT:

Mactec

Work Order:

06050588

Project:

South Mesa/4972

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCSD-R74069	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 74069						
Client ID:	Batch ID: R74069	TestNo: TO15		Analysis Date: 5/11/2006	SeqNo: 880830						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	9.570	0.50	10	0	95.7	65	135	9.440	1.37	25	
Dichlorodifluoromethane(F-12)	9.520	0.50	10	0	95.2	65	135	9.460	0.632	25	
Dichlorotetrafluoroethane(F-114)	9.600	0.50	10	0	96.0	65	135	9.570	0.313	25	
Ethyl Acetate	9.660	0.50	10	0	96.6	65	135	9.380	2.94	25	
Ethylbenzene	9.490	0.50	10	0	94.9	65	135	9.250	2.56	25	
Heptane	9.400	0.50	10	0	94.0	65	135	9.340	0.640	25	
Hexachlorobutadiene	9.490	1.0	10	0	94.9	65	135	9.420	0.740	25	
Hexane	9.800	0.50	10	0	98.0	65	135	9.540	2.69	25	
m&p-Xylene	19.23	1.0	20	0	96.2	65	135	18.12	5.94	25	
Methyl tert-butyl ether	9.910	1.0	10	0	99.1	65	135	9.540	3.80	25	
Methylene chloride	9.000	0.50	10	0	90.0	65	135	8.800	2.25	25	
o-Xylene	9.530	0.50	10	0	95.3	65	135	9.320	2.23	25	
Propene (Propylene)	9.440	0.50	10	0	94.4	65	135	9.250	2.03	25	
Styrene	9.630	0.50	10	0	96.3	65	135	9.320	3.27	25	
Tetrachloroethene	9.500	0.50	10	0	95.0	65	135	9.390	1.16	25	
Tetrahydrofuran	9.720	2.0	10	0	97.2	65	135	9.360	3.77	25	
Toluene	9.510	0.50	10	0	95.1	65	135	9.370	1.48	25	
trans-1,2-Dichloroethene	9.300	0.50	10	0	93.0	65	135	9.140	1.74	25	
trans-1,3-Dichloropropene	9.930	0.50	10	0	99.3	65	135	9.740	1.93	25	
Trichloroethene	9.550	0.50	10	0	95.5	65	135	9.390	1.69	25	
Trichlorofluoromethane(F-11)	9.630	0.50	10	0	96.3	65	135	9.610	0.208	25	
Trichlorotrifluoroethane(F-113)	9.480	0.50	10	0	94.8	65	135	9.290	2.02	25	
Vinyl acetate	9.770	0.50	10	0	97.7	65	135	9.370	4.18	25	
Vinyl chloride	9.540	0.50	10	0	95.4	65	135	9.480	0.631	25	
Surr: 4-Bromofluorobenzene	10.39	0.50	10	0	104	70	130	10.47	0	0	

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Laboratory Number: <u>06-05-0588</u>		Checklist completed by: <u>James Gravlin</u>	
Client Name: <u>MACTEC, Inc.</u>		Signature/Date <u>5-3-06</u>	
Matrix: <u>Air</u>	Carrier Name: <u>M. Hammer</u>	Date/Time Rec'd: <u>5-3-06 13:01</u>	By: <u>R.F.</u>

Temperature of Samples? Amb. °C Circle one: Blue Ice Wet Ice Not Present

	Yes	No*	Not Present	Soil Containers:
Shipping container/cooler in good condition?	✓			Brass Sleeve _____
Custody seals intact on shipping container/cooler?			✓	Glass Jar _____
Custody seals intact on sample containers?			✓	Methanol _____
Chain of Custody present and relinquished/received properly?	✓			Plastic Bag _____
Chain of Custody agrees with sample labels?	✓			Encore Samplers _____
Samples in proper containers/bottles?	✓			
Sample containers intact?	✓			
All samples received within holding time?	✓			
Is there sufficient sample volume to perform the tests?	✓			**See Comment about Chlorine and pH
40mL vials for volatiles & SOCs received with zero headspace?			✓	

Total number of bottles received: <u>4</u>	IH sample media: <u>1L Canister</u>
If applicable, how many sample bottles were shipped from AEL-Tucson?	<u>N/A</u> ✓

Number of containers received by preservative and by sample number: (If more than 15 samples are rec'd, please continue on separate sheet(s))

Preservative	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A-General	✓	✓	✓	✓											
B-HNO3															
C-H2SO4															
D-HCl															
E-Na2S2O3															
F-NaOH															
G-Sulfide															
H-Na Sulfite															
I-MCAA															
J-Methanol															
K-HAA															
L-Other															

Water-pH acceptable upon receipt? Yes No N/A ✓

Preservative & pH	pH of samples upon receipt	If pH requires adjustment, list sample number, and reagent ID. number
Metals <2		
Nutrients <2		
Total Phenols <2		
413 (O&G) <2		
418 (TPH) <2		
Cyanide >12		
Sulfide >9		

*Any No response must be detailed in the comments section below. Contact the PM Immediately to determine how to proceed. Refer to SOP 11-001.04, Section 1.8.6. Continue on back if additional space is needed.

**The holding time for pH and Total Residual Chlorine analysis is immediate. For the most accurate result, the pH and Total Residual Chlorine should be taken in the field within 15 minutes of sampling.

Comments:

Corrective Action:



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Friday, June 09, 2006

Jim Clarke
Mactec
3630 East Wier Avenue
Phoenix, AZ 85040

TEL: (602) 437-0250

FAX (602) 437-3675

RE: South Mesa WQARF/4972-04-2034.4.6

Order No.: 06060093

Dear Jim Clarke:

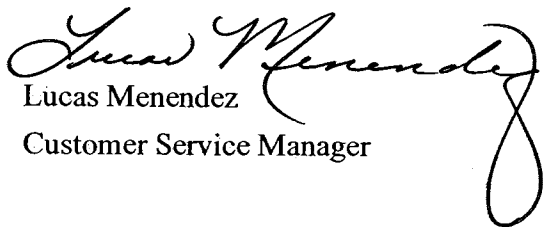
Aerotech Environmental, Inc. received 4 sample(s) on 6/3/2006 for the analyses presented in the following report.

This report includes the following information:

- Case Narrative.
- Analytical Report: includes test results, report limit (Limit), any applicable data qualifier (Qual), units, dilution factor (DF), and date analyzed.
- QC Summary Report.

This communication is intended only for the individual or entity to whom it is directed. It may contain information that is privileged, confidential, or otherwise exempt from disclosure under applicable law. Dissemination, distribution, or copying of this communication by anyone other than the intended recipient, or a duly designated employee or agent of such recipient, is prohibited. If you have received this communication in error, please notify us immediately and destroy this message and all attachments thereto. If you have any questions regarding these test results, please do not hesitate to call.

Sincerely,


Lucas Menendez
Customer Service Manager



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental, Inc.

Date: 09-Jun-06

CLIENT: Mactec
Project: South Mesa WQARF/4972-04-2034.4.6
Lab Order: 06060093

CASE NARRATIVE

Samples were analyzed using methods outlined in references such as:

Standard Methods for the Examination of Water and Wastewater, 19th Edition, 1995.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Methods for the Determination of Organic Compounds in Drinking Water: Supplement III, EPA/600/R-95/131, August 1995.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

40 CFR, Part 136, Revised 1998. Appendix A to Part 136 - Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater.

NIOSH Manual of Analytical Methods, Fourth Edition, 1994.

Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.

Aerotech Environmental Laboratories (AEL) holds Arizona certification no. AZ0610 and AEL-Tucson holds Arizona certification no. AZ0609.

Aerotech Environmental Laboratories (Laboratory 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.

Analytical Comments:

All method blanks and laboratory control spikes met EPA method and/or laboratory quality control objectives for the analyses included in this report.

Data Qualifiers:

Listed below are the data qualifiers used in your analytical report to explain any analytical or quality control issues. You will find them noted in your report under the column header "QUAL". Any quality control deficiencies that cannot be adequately described by these qualifiers will be addressed in the analytical comments section of this case narrative.

D2 Sample required dilution due to high concentration of target analyte.



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental, Inc.

Date: 09-Jun-06

CLIENT: Mactec
Lab Order: 06060093
Project: South Mesa WQARF/4972-04-2034.4.6
Lab ID: 06060093-01A

Client Sample ID: INF/SN 00184
Tag Number:
Collection Date: 6/2/2006 4:30:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
1,1,1-Trichloroethane	< 2.5	2.5	< 14	14	5	6/6/2006	
1,1,2,2-Tetrachloroethane	< 2.5	2.5	< 17	17	5	6/6/2006	
1,1,2-Trichloroethane	< 2.5	2.5	< 14	14	5	6/6/2006	
1,1-Dichloroethane	6.0	2.5	25	10	5	6/6/2006	
1,1-Dichloroethene	4.8	2.5	19	10	5	6/6/2006	
1,2,4-Trichlorobenzene	< 10	10	< 75	75	5	6/6/2006	
1,2,4-Trimethylbenzene	< 2.5	2.5	< 12	12	5	6/6/2006	
1,2-Dibromoethane	< 2.5	2.5	< 20	20	5	6/6/2006	
1,2-Dichlorobenzene	< 2.5	2.5	< 15	15	5	6/6/2006	
1,2-Dichloroethane	< 2.5	2.5	< 10	10	5	6/6/2006	
1,2-Dichloropropane	< 2.5	2.5	< 12	12	5	6/6/2006	
1,3,5-Trimethylbenzene	< 2.5	2.5	< 12	12	5	6/6/2006	
1,3-Butadiene	< 2.5	2.5	< 5.6	5.6	5	6/6/2006	
1,3-Dichlorobenzene	< 2.5	2.5	< 15	15	5	6/6/2006	
1,4-Dichlorobenzene	< 2.5	2.5	< 15	15	5	6/6/2006	
2,2,4-Trimethylpentane	5.0	2.5	24	12	5	6/6/2006	
2-Butanone (MEK)	< 5.0	5.0	< 15	15	5	6/6/2006	
2-Hexanone	< 5.0	5.0	< 21	21	5	6/6/2006	
2-Propanol	< 10	10	< 25	25	5	6/6/2006	
4-Ethyltoluene	< 2.5	2.5	< 11	11	5	6/6/2006	
4-Methyl-2-pentanone	< 5.0	5.0	< 21	21	5	6/6/2006	
Acetone	< 25	25	< 60	60	5	6/6/2006	
Allyl chloride	< 2.5	2.5	< 4.0	4.0	5	6/6/2006	
Benzene	< 2.5	2.5	< 8.1	8.1	5	6/6/2006	
Benzyl chloride	< 10	10	< 53	53	5	6/6/2006	
Bromodichloromethane	< 2.5	2.5	< 17	17	5	6/6/2006	

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Page 1 of 12

Main Laboratory: 4645 E. Cotton Center Boulevard, Building 3, Suite 189 Phoenix, AZ 85040 Phone: 602.437.3340 Toll Free: 866.772.5227 Fax: 623.445.6192 www.aeroenvirolabs.com

Tucson Facility: 4455 S. Park Ave. Ste. 110 Tucson, AZ 85714 Phone: 520.807.3801 Fax: 520.807.3803

Corporate Address: 1501 W. Knudsen Drive, Phoenix, Arizona 85027 Phone: 623.780.4800 Toll Free: 800.651.4802 Fax: 623.780.7695 www.aerotechlabs.com



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental, Inc.

Date: 09-Jun-06

CLIENT: Mactec
Lab Order: 06060093
Project: South Mesa WQARF/4972-04-2034.4.6
Lab ID: 06060093-01A

Client Sample ID: INF/SN 00184
Tag Number:
Collection Date: 6/2/2006 4:30:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Bromoethene(Vinyl Bromide)	< 2.5	2.5	< 5.6	5.6	5	6/6/2006	
Bromoform	< 2.5	2.5	< 26	26	5	6/6/2006	
Bromomethane	< 2.5	2.5	< 9.9	9.9	5	6/6/2006	
Carbon disulfide	< 2.5	2.5	< 7.9	7.9	5	6/6/2006	
Carbon tetrachloride	< 2.5	2.5	< 16	16	5	6/6/2006	
Chlorobenzene	< 2.5	2.5	< 12	12	5	6/6/2006	
Chloroethane	< 2.5	2.5	< 6.7	6.7	5	6/6/2006	
Chloroform	3.3	2.5	16	12	5	6/6/2006	
Chloromethane	< 2.5	2.5	< 5.2	5.2	5	6/6/2006	
cis-1,2-Dichloroethene	< 2.5	2.5	< 10	10	5	6/6/2006	
cis-1,3-Dichloropropene	< 2.5	2.5	< 12	12	5	6/6/2006	
Cyclohexane	< 2.5	2.5	< 8.7	8.7	5	6/6/2006	
Dibromochloromethane	< 2.5	2.5	< 22	22	5	6/6/2006	
Dichlorodifluoromethane(F-12)	< 2.5	2.5	< 13	13	5	6/6/2006	
Dichlorotetrafluoroethane(F-114)	< 2.5	2.5	< 18	18	5	6/6/2006	
Ethyl Acetate	< 2.5	2.5	< 9.2	9.2	5	6/6/2006	
Ethylbenzene	< 2.5	2.5	< 11	11	5	6/6/2006	
Heptane	< 2.5	2.5	< 10	10	5	6/6/2006	
Hexachlorobutadiene	< 5.0	5.0	< 54	54	5	6/6/2006	
Hexane	< 2.5	2.5	< 8.9	8.9	5	6/6/2006	
m&p-Xylene	< 5.0	5.0	< 22	22	5	6/6/2006	
Methyl tert-butyl ether	< 5.0	5.0	< 18	18	5	6/6/2006	
Methylene chloride	< 2.5	2.5	< 8.8	8.8	5	6/6/2006	
o-Xylene	< 2.5	2.5	< 11	11	5	6/6/2006	
Propene (Propylene)	3.3	2.5	5.8	4.4	5	6/6/2006	
Styrene	< 2.5	2.5	< 11	11	5	6/6/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 2 of 12



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental, Inc.

Date: 09-Jun-06

CLIENT: Mactec
Lab Order: 06060093
Project: South Mesa WQARF/4972-04-2034.4.6
Lab ID: 06060093-01A

Client Sample ID: INF/SN 00184
Tag Number:
Collection Date: 6/2/2006 4:30:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Tetrachloroethene	110	2.5	760	17	D2	5	6/6/2006
Tetrahydrofuran	< 10	10	< 30	30		5	6/6/2006
Toluene	7.8	2.5	30	9.6		5	6/6/2006
trans-1,2-Dichloroethene	< 2.5	2.5	< 10	10		5	6/6/2006
trans-1,3-Dichloropropene	< 2.5	2.5	< 12	12		5	6/6/2006
Trichloroethene	< 2.5	2.5	< 14	14		5	6/6/2006
Trichlorofluoromethane(F-11)	< 2.5	2.5	< 14	14		5	6/6/2006
Trichlorotrifluoroethane(F-113)	< 2.5	2.5	< 19	19		5	6/6/2006
Vinyl acetate	< 2.5	2.5	< 8.9	8.9		5	6/6/2006
Vinyl chloride	< 2.5	2.5	< 6.5	6.5		5	6/6/2006
Surr: 4-Bromofluorobenzene	103 %REC	70-130	-	-		5	6/6/2006

Qualifiers: ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 3 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 09-Jun-06

CLIENT: Mactec
Lab Order: 06060093
Project: South Mesa WQARF/4972-04-2034.4.6
Lab ID: 06060093-02A

Client Sample ID: INT/SN 00746
Tag Number:
Collection Date: 6/2/2006 4:25:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
1,1,1-Trichloroethane	< 1.0	1.0	< 5.5	5.5	2	6/6/2006	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	< 7.0	7.0	2	6/6/2006	
1,1,2-Trichloroethane	< 1.0	1.0	< 5.5	5.5	2	6/6/2006	
1,1-Dichloroethane	3.6	1.0	15	4.1	2	6/6/2006	
1,1-Dichloroethene	7.0	1.0	28	4.0	2	6/6/2006	
1,2,4-Trichlorobenzene	< 4.0	4.0	< 30	30	2	6/6/2006	
1,2,4-Trimethylbenzene	4.7	1.0	23	5.0	2	6/6/2006	
1,2-Dibromoethane	< 1.0	1.0	< 7.8	7.8	2	6/6/2006	
1,2-Dichlorobenzene	< 1.0	1.0	< 6.1	6.1	2	6/6/2006	
1,2-Dichloroethane	< 1.0	1.0	< 4.1	4.1	2	6/6/2006	
1,2-Dichloropropane	< 1.0	1.0	< 4.7	4.7	2	6/6/2006	
1,3,5-Trimethylbenzene	< 1.0	1.0	< 5.0	5.0	2	6/6/2006	
1,3-Butadiene	< 1.0	1.0	< 2.2	2.2	2	6/6/2006	
1,3-Dichlorobenzene	< 1.0	1.0	< 6.1	6.1	2	6/6/2006	
1,4-Dichlorobenzene	< 1.0	1.0	< 6.1	6.1	2	6/6/2006	
2,2,4-Trimethylpentane	2.6	1.0	12	4.7	2	6/6/2006	
2-Butanone (MEK)	< 2.0	2.0	< 6.0	6.0	2	6/6/2006	
2-Hexanone	< 2.0	2.0	< 8.3	8.3	2	6/6/2006	
2-Propanol	< 4.0	4.0	< 10	10	2	6/6/2006	
4-Ethyltoluene	2.2	1.0	9.7	4.4	2	6/6/2006	
4-Methyl-2-pentanone	< 2.0	2.0	< 8.3	8.3	2	6/6/2006	
Acetone	25	10	60	24	2	6/6/2006	
Allyl chloride	< 1.0	1.0	< 1.6	1.6	2	6/6/2006	
Benzene	1.4	1.0	4.6	3.2	2	6/6/2006	
Benzyl chloride	< 4.0	4.0	< 21	21	2	6/6/2006	
Bromodichloromethane	< 1.0	1.0	< 6.8	6.8	2	6/6/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
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 R - RPD outside accepted recovery limits
 E - Value above quantitation range

Page 4 of 12



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental, Inc.

Date: 09-Jun-06

CLIENT: Mactec
Lab Order: 06060093
Project: South Mesa WQARF/4972-04-2034.4.6
Lab ID: 06060093-02A

Client Sample ID: INT/SN 00746
Tag Number:
Collection Date: 6/2/2006 4:25:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Bromoethene(Vinyl Bromide)	< 1.0	1.0	< 2.2	2.2	2	6/6/2006	
Bromofom	< 1.0	1.0	< 10	10	2	6/6/2006	
Bromomethane	< 1.0	1.0	< 4.0	4.0	2	6/6/2006	
Carbon disulfide	< 1.0	1.0	< 3.2	3.2	2	6/6/2006	
Carbon tetrachloride	< 1.0	1.0	< 6.4	6.4	2	6/6/2006	
Chlorobenzene	< 1.0	1.0	< 4.7	4.7	2	6/6/2006	
Chloroethane	< 1.0	1.0	< 2.7	2.7	2	6/6/2006	
Chloroform	< 1.0	1.0	< 5.0	5.0	2	6/6/2006	
Chloromethane	< 1.0	1.0	< 2.1	2.1	2	6/6/2006	
cis-1,2-Dichloroethene	< 1.0	1.0	< 4.0	4.0	2	6/6/2006	
cis-1,3-Dichloropropene	< 1.0	1.0	< 4.6	4.6	2	6/6/2006	
Cyclohexane	< 1.0	1.0	< 3.5	3.5	2	6/6/2006	
Dibromochloromethane	< 1.0	1.0	< 8.6	8.6	2	6/6/2006	
Dichlorodifluoromethane(F-12)	2.0	1.0	10	5.0	2	6/6/2006	
Dichlorotetrafluoroethane(F-114)	< 1.0	1.0	< 7.1	7.1	2	6/6/2006	
Ethyl Acetate	< 1.0	1.0	< 3.7	3.7	2	6/6/2006	
Ethylbenzene	2.0	1.0	8.8	4.4	2	6/6/2006	
Heptane	< 1.0	1.0	< 4.2	4.2	2	6/6/2006	
Hexachlorobutadiene	< 2.0	2.0	< 22	22	2	6/6/2006	
Hexane	< 1.0	1.0	< 3.6	3.6	2	6/6/2006	
m&p-Xylene	8.5	2.0	37	8.8	2	6/6/2006	
Methyl tert-butyl ether	< 2.0	2.0	< 7.3	7.3	2	6/6/2006	
Methylene chloride	1.8	1.0	6.4	3.5	2	6/6/2006	
o-Xylene	3.2	1.0	14	4.4	2	6/6/2006	
Propene (Propylene)	< 1.0	1.0	< 1.8	1.8	2	6/6/2006	
Styrene	< 1.0	1.0	< 4.3	4.3	2	6/6/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

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Page 5 of 12

Main Laboratory: 4645 E. Cotton Center Boulevard, Building 3, Suite 189 Phoenix, AZ 85040 Phone: 602.437.3340 Toll Free: 866.772.5227 Fax: 623.445.6192 www.aeroenvirolabs.com

Tucson Facility: 4455 S. Park Ave. Ste. 110 Tucson, AZ 85714 Phone: 520.807.3801 Fax: 520.807.3803

Corporate Address: 1501 W. Knudsen Drive, Phoenix, Arizona 85027 Phone: 623.780.4800 Toll Free: 800.651.4802 Fax: 623.780.7695 www.aerotechlabs.com



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental, Inc.

Date: 09-Jun-06

CLIENT: Mactec
Lab Order: 06060093
Project: South Mesa WQARF/4972-04-2034.4.6
Lab ID: 06060093-02A

Client Sample ID: INT/SN 00746
Tag Number:
Collection Date: 6/2/2006 4:25:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Tetrachloroethene	50	1.0	340	6.9	2	6/6/2006	
Tetrahydrofuran	< 4.0	4.0	< 12	12	2	6/6/2006	
Toluene	10	1.0	38	3.8	2	6/6/2006	
trans-1,2-Dichloroethene	< 1.0	1.0	< 4.0	4.0	2	6/6/2006	
trans-1,3-Dichloropropene	< 1.0	1.0	< 4.6	4.6	2	6/6/2006	
Trichloroethene	1.1	1.0	6.1	5.5	2	6/6/2006	
Trichlorofluoromethane(F-11)	3.8	1.0	22	5.7	2	6/6/2006	
Trichlorotrifluoroethane(F-113)	< 1.0	1.0	< 7.8	7.8	2	6/6/2006	
Vinyl acetate	< 1.0	1.0	< 3.6	3.6	2	6/6/2006	
Vinyl chloride	< 1.0	1.0	< 2.6	2.6	2	6/6/2006	
Surr: 4-Bromofluorobenzene	104 %REC	70-130	-	-	2	6/6/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

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Page 6 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 09-Jun-06

CLIENT: Mactec
Lab Order: 06060093
Project: South Mesa WQARF/4972-04-2034.4.6
Lab ID: 06060093-03A

Client Sample ID: EFF/SN 00202
Tag Number:
Collection Date: 6/2/2006 4:20:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
1,1,1-Trichloroethane	< 1.0	1.0	< 5.5	5.5	2	6/5/2006	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	< 7.0	7.0	2	6/5/2006	
1,1,2-Trichloroethane	< 1.0	1.0	< 5.5	5.5	2	6/5/2006	
1,1-Dichloroethane	< 1.0	1.0	< 4.1	4.1	2	6/5/2006	
1,1-Dichloroethene	< 1.0	1.0	< 4.0	4.0	2	6/5/2006	
1,2,4-Trichlorobenzene	< 4.0	4.0	< 30	30	2	6/5/2006	
1,2,4-Trimethylbenzene	6.6	1.0	33	5.0	2	6/5/2006	
1,2-Dibromoethane	< 1.0	1.0	< 7.8	7.8	2	6/5/2006	
1,2-Dichlorobenzene	< 1.0	1.0	< 6.1	6.1	2	6/5/2006	
1,2-Dichloroethane	< 1.0	1.0	< 4.1	4.1	2	6/5/2006	
1,2-Dichloropropane	< 1.0	1.0	< 4.7	4.7	2	6/5/2006	
1,3,5-Trimethylbenzene	1.7	1.0	8.5	5.0	2	6/5/2006	
1,3-Butadiene	< 1.0	1.0	< 2.2	2.2	2	6/5/2006	
1,3-Dichlorobenzene	< 1.0	1.0	< 6.1	6.1	2	6/5/2006	
1,4-Dichlorobenzene	< 1.0	1.0	< 6.1	6.1	2	6/5/2006	
2,2,4-Trimethylpentane	1.8	1.0	8.5	4.7	2	6/5/2006	
2-Butanone (MEK)	< 2.0	2.0	< 6.0	6.0	2	6/5/2006	
2-Hexanone	< 2.0	2.0	< 8.3	8.3	2	6/5/2006	
2-Propanol	11	4.0	27	10	2	6/5/2006	
4-Ethyltoluene	1.6	1.0	7.1	4.4	2	6/5/2006	
4-Methyl-2-pentanone	< 2.0	2.0	< 8.3	8.3	2	6/5/2006	
Acetone	26	10	63	24	2	6/5/2006	
Allyl chloride	< 1.0	1.0	< 1.6	1.6	2	6/5/2006	
Benzene	3.0	1.0	9.8	3.2	2	6/5/2006	
Benzyl chloride	< 4.0	4.0	< 21	21	2	6/5/2006	
Bromodichloromethane	< 1.0	1.0	< 6.8	6.8	2	6/5/2006	

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Page 7 of 12

Main Laboratory: 4645 E. Cotton Center Boulevard, Building 3, Suite 189 Phoenix, AZ 85040 Phone: 602.437.3340 Toll Free: 866.772.5227 Fax: 623.445.6192 www.aeroenvirolabs.com

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Corporate Address: 1501 W. Knudsen Drive, Phoenix, Arizona 85027 Phone: 623.780.4800 Toll Free: 800.651.4802 Fax: 623.780.7695 www.aerotechlabs.com



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 09-Jun-06

CLIENT: Mactec
Lab Order: 06060093
Project: South Mesa WQARF/4972-04-2034.4.6
Lab ID: 06060093-04A

Client Sample ID: VW-7B/SN 00182
Tag Number:
Collection Date: 6/2/2006 4:45:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
1,1,1-Trichloroethane	< 0.50	0.50	< 2.8	2.8	1	6/6/2006	
1,1,2,2-Tetrachloroethane	< 0.50	0.50	< 3.5	3.5	1	6/6/2006	
1,1,2-Trichloroethane	< 0.50	0.50	< 2.8	2.8	1	6/6/2006	
1,1-Dichloroethane	0.99	0.50	4.1	2.1	1	6/6/2006	
1,1-Dichloroethene	0.86	0.50	3.5	2.0	1	6/6/2006	
1,2,4-Trichlorobenzene	< 2.0	2.0	< 15	15	1	6/6/2006	
1,2,4-Trimethylbenzene	1.4	0.50	7.0	2.5	1	6/6/2006	
1,2-Dibromoethane	< 0.50	0.50	< 3.9	3.9	1	6/6/2006	
1,2-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1	6/6/2006	
1,2-Dichloroethane	< 0.50	0.50	< 2.1	2.1	1	6/6/2006	
1,2-Dichloropropane	< 0.50	0.50	< 2.4	2.4	1	6/6/2006	
1,3,5-Trimethylbenzene	< 0.50	0.50	< 2.5	2.5	1	6/6/2006	
1,3-Butadiene	< 0.50	0.50	< 1.1	1.1	1	6/6/2006	
1,3-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1	6/6/2006	
1,4-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1	6/6/2006	
2,2,4-Trimethylpentane	8.6	0.50	41	2.4	1	6/6/2006	
2-Butanone (MEK)	1.4	1.0	4.2	3.0	1	6/6/2006	
2-Hexanone	< 1.0	1.0	< 4.2	4.2	1	6/6/2006	
2-Propanol	< 2.0	2.0	< 5.0	5.0	1	6/6/2006	
4-Ethyltoluene	< 0.50	0.50	< 2.2	2.2	1	6/6/2006	
4-Methyl-2-pentanone	< 1.0	1.0	< 4.2	4.2	1	6/6/2006	
Acetone	16	5.0	39	12	1	6/6/2006	
Allyl chloride	< 0.50	0.50	< 0.80	0.80	1	6/6/2006	
Benzene	4.7	0.50	15	1.6	1	6/6/2006	
Benzyl chloride	< 2.0	2.0	< 11	11	1	6/6/2006	
Bromodichloromethane	< 0.50	0.50	< 3.4	3.4	1	6/6/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
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E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 10 of 12



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental, Inc.

Date: 09-Jun-06

CLIENT: Mactec
Lab Order: 06060093
Project: South Mesa WQARF/4972-04-2034.4.6
Lab ID: 06060093-04A

Client Sample ID: VW-7B/SN 00182
Tag Number:
Collection Date: 6/2/2006 4:45:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Bromoethene(Vinyl Bromide)	< 0.50	0.50	< 1.1	1.1	1	6/6/2006	
Bromoform	< 0.50	0.50	< 5.2	5.2	1	6/6/2006	
Bromomethane	< 0.50	0.50	< 2.0	2.0	1	6/6/2006	
Carbon disulfide	< 0.50	0.50	< 1.6	1.6	1	6/6/2006	
Carbon tetrachloride	< 0.50	0.50	< 3.2	3.2	1	6/6/2006	
Chlorobenzene	< 0.50	0.50	< 2.4	2.4	1	6/6/2006	
Chloroethane	< 0.50	0.50	< 1.3	1.3	1	6/6/2006	
Chloroform	< 0.50	0.50	< 2.5	2.5	1	6/6/2006	
Chloromethane	0.78	0.50	1.6	1.0	1	6/6/2006	
cis-1,2-Dichloroethene	< 0.50	0.50	< 2.0	2.0	1	6/6/2006	
cis-1,3-Dichloropropene	< 0.50	0.50	< 2.3	2.3	1	6/6/2006	
Cyclohexane	1.5	0.50	5.2	1.7	1	6/6/2006	
Dibromochloromethane	< 0.50	0.50	< 4.3	4.3	1	6/6/2006	
Dichlorodifluoromethane(F-12)	0.89	0.50	4.5	2.5	1	6/6/2006	
Dichlorotetrafluoroethane(F-114)	< 0.50	0.50	< 3.6	3.6	1	6/6/2006	
Ethyl Acetate	< 0.50	0.50	< 1.8	1.8	1	6/6/2006	
Ethylbenzene	1.2	0.50	5.3	2.2	1	6/6/2006	
Heptane	2.4	0.50	10	2.1	1	6/6/2006	
Hexachlorobutadiene	< 1.0	1.0	< 11	11	1	6/6/2006	
Hexane	4.7	0.50	17	1.8	1	6/6/2006	
m&p-Xylene	4.6	1.0	20	4.4	1	6/6/2006	
Methyl tert-butyl ether	< 1.0	1.0	< 3.7	3.7	1	6/6/2006	
Methylene chloride	0.99	0.50	3.5	1.8	1	6/6/2006	
o-Xylene	1.7	0.50	7.5	2.2	1	6/6/2006	
Propene (Propylene)	4.6	0.50	8.1	0.88	1	6/6/2006	
Styrene	< 0.50	0.50	< 2.2	2.2	1	6/6/2006	

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 R - RPD outside accepted recovery limits
 E - Value above quantitation range

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Page 11 of 12

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Corporate Address: 1501 W. Knudsen Drive, Phoenix, Arizona 85027 Phone: 623.780.4800 Toll Free: 800.651.4802 Fax: 623.780.7695 www.aerotechlabs.com



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental, Inc.

Date: 09-Jun-06

CLIENT: Mactec
Lab Order: 06060093
Project: South Mesa WQARF/4972-04-2034.4.6
Lab ID: 06060093-04A

Client Sample ID: VW-7B/SN 00182
Tag Number:
Collection Date: 6/2/2006 4:45:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Tetrachloroethene	16	0.50	110	3.4	1	6/6/2006	
Tetrahydrofuran	< 2.0	2.0	< 6.0	6.0	1	6/6/2006	
Toluene	12	0.50	46	1.9	1	6/6/2006	
trans-1,2-Dichloroethene	< 0.50	0.50	< 2.0	2.0	1	6/6/2006	
trans-1,3-Dichloropropene	< 0.50	0.50	< 2.3	2.3	1	6/6/2006	
Trichloroethene	2.0	0.50	11	2.8	1	6/6/2006	
Trichlorofluoromethane(F-11)	0.60	0.50	3.4	2.8	1	6/6/2006	
Trichlorotrifluoroethane(F-113)	< 0.50	0.50	< 3.9	3.9	1	6/6/2006	
Vinyl acetate	< 0.50	0.50	< 1.8	1.8	1	6/6/2006	
Vinyl chloride	< 0.50	0.50	< 1.3	1.3	1	6/6/2006	
Surr: 4-Bromofluorobenzene	102 %REC	70-130	-	-	1	6/6/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 12 of 12



CLIENT: Mactec
Work Order: 06060093
Project: South Mesa WQARF/4972-04-2034.4.6
TestCode: TO15

ANALYTICAL QC SUMMARY REPORT

Sample ID: MB-R74978	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 74978						
Client ID:	Batch ID: R74978	TestNo: TO15		Analysis Date: 6/6/2006	SeqNo: 891282						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	<0.50	0.50									
Carbon disulfide	<0.50	0.50									
Carbon tetrachloride	<0.50	0.50									
Chlorobenzene	<0.50	0.50									
Chloroethane	<0.50	0.50									
Chloroform	<0.50	0.50									
Chloromethane	<0.50	0.50									
cis-1,2-Dichloroethene	<0.50	0.50									
cis-1,3-Dichloropropene	<0.50	0.50									
Cyclohexane	<0.50	0.50									
Dibromochloromethane	<0.50	0.50									
Dichlorodifluoromethane(F-12)	<0.50	0.50									
Dichlorotetrafluoroethane(F-114)	<0.50	0.50									
Ethyl Acetate	<0.50	0.50									
Ethylbenzene	<0.50	0.50									
Heptane	<0.50	0.50									
Hexachlorobutadiene	<1.0	1.0									
Hexane	<0.50	0.50									
m&p-Xylene	<1.0	1.0									
Methyl tert-butyl ether	<1.0	1.0									
Methylene chloride	<0.50	0.50									
o-Xylene	<0.50	0.50									
Propene (Propylene)	<0.50	0.50									
Styrene	<0.50	0.50									
Tetrachloroethene	<0.50	0.50									
Tetrahydrofuran	<2.0	2.0									
Toluene	<0.50	0.50									
trans-1,2-Dichloroethene	<0.50	0.50									
trans-1,3-Dichloropropene	<0.50	0.50									

Qualifiers: E Value above quantitation range ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits



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Aerotech Environmental, Inc.

Date: 09-Jun-06

CLIENT: Mactec

Work Order: 06060093

Project: South Mesa WQARF/4972-04-2034.4.6

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R74978	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 74978						
Client ID:	Batch ID: R74978	TestNo: TO15		Analysis Date: 6/6/2006	SeqNo: 891282						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane	<0.50	0.50									
1,1,2,2-Tetrachloroethane	<0.50	0.50									
1,1,2-Trichloroethane	<0.50	0.50									
1,1-Dichloroethane	<0.50	0.50									
1,1-Dichloroethene	<0.50	0.50									
1,2,4-Trichlorobenzene	<2.0	2.0									
1,2,4-Trimethylbenzene	<0.50	0.50									
1,2-Dibromoethane	<0.50	0.50									
1,2-Dichlorobenzene	<0.50	0.50									
1,2-Dichloroethane	<0.50	0.50									
1,2-Dichloropropane	<0.50	0.50									
1,3,5-Trimethylbenzene	<0.50	0.50									
1,3-Butadiene	<0.50	0.50									
1,3-Dichlorobenzene	<0.50	0.50									
1,4-Dichlorobenzene	<0.50	0.50									
2,2,4-Trimethylpentane	<0.50	0.50									
2-Butanone (MEK)	<1.0	1.0									
2-Hexanone	<1.0	1.0									
2-Propanol	<2.0	2.0									
4-Ethyltoluene	<0.50	0.50									
4-Methyl-2-pentanone	<1.0	1.0									
Acetone	<5.0	5.0									
Allyl chloride	<0.50	0.50									
Benzene	<0.50	0.50									
Benzyl chloride	<2.0	2.0									
Bromodichloromethane	<0.50	0.50									
Bromoethene(Vinyl Bromide)	<0.50	0.50									
Bromoforn	<0.50	0.50									

Qualifiers: E Value above quantitation range ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits

R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: Mactec

Work Order: 06060093

Project: South Mesa WQARF/4972-04-2034.4.6

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R74978	Sample Type: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 74978						
Client ID:	Batch ID: R74978	TestNo: TO15		Analysis Date: 6/6/2006	SeqNo: 891282						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichloroethene	<0.50	0.50									
Trichlorofluoromethane(F-11)	<0.50	0.50									
Trichlorotrifluoroethane(F-113)	<0.50	0.50									
Vinyl acetate	<0.50	0.50									
Vinyl chloride	<0.50	0.50									
Surr: 4-Bromofluorobenzene	9.950	0.50	10	0	99.5	70	130				

Sample ID: MB-R74984	SampleType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 74984						
Client ID:	Batch ID: R74984	TestNo: TO15		Analysis Date: 6/5/2006	SeqNo: 891318						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane	<0.50	0.50									
1,1,2,2-Tetrachloroethane	<0.50	0.50									
1,1,2-Trichloroethane	<0.50	0.50									
1,1-Dichloroethane	<0.50	0.50									
1,1-Dichloroethene	<0.50	0.50									
1,2,4-Trichlorobenzene	<2.0	2.0									
1,2,4-Trimethylbenzene	<0.50	0.50									
1,2-Dibromoethane	<0.50	0.50									
1,2-Dichlorobenzene	<0.50	0.50									
1,2-Dichloroethane	<0.50	0.50									
1,2-Dichloropropane	<0.50	0.50									
1,3,5-Trimethylbenzene	<0.50	0.50									
1,3-Butadiene	<0.50	0.50									
1,3-Dichlorobenzene	<0.50	0.50									
1,4-Dichlorobenzene	<0.50	0.50									
2,2,4-Trimethylpentane	<0.50	0.50									
2-Butanone (MEK)	<1.0	1.0									
2-Hexanone	<1.0	1.0									

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT: Mactec

Work Order: 06060093

Project: South Mesa WQARF/4972-04-2034.4.6

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R74984	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 74984						
Client ID:	Batch ID: R74984	TestNo: TO15		Analysis Date: 6/5/2006	SeqNo: 891318						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Propanol	<2.0	2.0									
4-Ethyltoluene	<0.50	0.50									
4-Methyl-2-pentanone	<1.0	1.0									
Acetone	<5.0	5.0									
Allyl chloride	<0.50	0.50									
Benzene	<0.50	0.50									
Benzyl chloride	<2.0	2.0									
Bromodichloromethane	<0.50	0.50									
Bromoethene(Vinyl Bromide)	<0.50	0.50									
Bromoform	<0.50	0.50									
Bromomethane	<0.50	0.50									
Carbon disulfide	<0.50	0.50									
Carbon tetrachloride	<0.50	0.50									
Chlorobenzene	<0.50	0.50									
Chloroethane	<0.50	0.50									
Chloroform	<0.50	0.50									
Chloromethane	<0.50	0.50									
cis-1,2-Dichloroethene	<0.50	0.50									
cis-1,3-Dichloropropene	<0.50	0.50									
Cyclohexane	<0.50	0.50									
Dibromochloromethane	<0.50	0.50									
Dichlorodifluoromethane(F-12)	<0.50	0.50									
Dichlorotetrafluoroethane(F-114)	<0.50	0.50									
Ethyl Acetate	<0.50	0.50									
Ethylbenzene	<0.50	0.50									
Heptane	<0.50	0.50									
Hexachlorobutadiene	<1.0	1.0									
Hexane	<0.50	0.50									
m&p-Xylene	<1.0	1.0									

Qualifiers: E Value above quantitation range

ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Mactec

Work Order: 06060093

Project: South Mesa WQARF/4972-04-2034.4.6

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R74984	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 74984						
Client ID:	Batch ID: R74984	TestNo: TO15		Analysis Date: 6/5/2006	SeqNo: 891318						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Methyl tert-butyl ether	<1.0	1.0									
Methylene chloride	<0.50	0.50									
o-Xylene	<0.50	0.50									
Propene (Propylene)	<0.50	0.50									
Styrene	<0.50	0.50									
Tetrachloroethene	<0.50	0.50									
Tetrahydrofuran	<2.0	2.0									
Toluene	<0.50	0.50									
trans-1,2-Dichloroethene	<0.50	0.50									
trans-1,3-Dichloropropene	<0.50	0.50									
Trichloroethene	<0.50	0.50									
Trichlorofluoromethane(F-11)	<0.50	0.50									
Trichlorotrifluoroethane(F-113)	<0.50	0.50									
Vinyl acetate	<0.50	0.50									
Vinyl chloride	<0.50	0.50									
Surr: 4-Bromofluorobenzene	9.940	0.50	10	0	99.4	70	130				

Sample ID: LCS-R74978	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 74978						
Client ID:	Batch ID: R74978	TestNo: TO15		Analysis Date: 6/6/2006	SeqNo: 891288						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane	9.800	0.50	10	0	98.0	65	135				
1,1,2,2-Tetrachloroethane	9.870	0.50	10	0	98.7	65	135				
1,1,2-Trichloroethane	10.00	0.50	10	0	100	65	135				
1,1-Dichloroethane	9.840	0.50	10	0	98.4	65	135				
1,1-Dichloroethene	9.610	0.50	10	0	96.1	65	135				
1,2,4-Trichlorobenzene	8.370	2.0	10	0	83.7	65	135				
1,2,4-Trimethylbenzene	9.820	0.50	10	0	98.2	65	135				
1,2-Dibromoethane	10.02	0.50	10	0	100	65	135				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

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CLIENT:

Mactec

Work Order:

06060093

Project:

South Mesa WQARF/4972-04-2034.4.6

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R74978	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 74978						
Client ID:	Batch ID: R74978	TestNo: TO15		Analysis Date: 6/6/2006	SeqNo: 891288						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichlorobenzene	9.770	0.50	10	0	97.7	65	135				
1,2-Dichloroethane	9.910	0.50	10	0	99.1	65	135				
1,2-Dichloropropane	9.770	0.50	10	0	97.7	65	135				
1,3,5-Trimethylbenzene	9.910	0.50	10	0	99.1	65	135				
1,3-Butadiene	9.970	0.50	10	0	99.7	65	135				
1,3-Dichlorobenzene	9.820	0.50	10	0	98.2	65	135				
1,4-Dichlorobenzene	9.820	0.50	10	0	98.2	65	135				
2,2,4-Trimethylpentane	9.770	0.50	10	0	97.7	65	135				
2-Butanone (MEK)	9.740	1.0	10	0	97.4	65	135				
2-Hexanone	10.24	1.0	10	0	102	65	135				
2-Propanol	8.400	2.0	10	0	84.0	65	135				
4-Ethyltoluene	9.840	0.50	10	0	98.4	65	135				
4-Methyl-2-pentanone	10.53	1.0	10	0	105	65	135				
Acetone	9.430	5.0	10	0	94.3	65	135				
Allyl chloride	9.560	0.50	10	0	95.6	65	135				
Benzene	9.310	0.50	10	0	93.1	65	135				
Benzyl chloride	9.190	2.0	10	0	91.9	65	135				
Bromodichloromethane	10.19	0.50	10	0	102	65	135				
Bromoethene(Vinyl Bromide)	9.790	0.50	10	0	97.9	65	135				
Bromoform	9.740	0.50	10	0	97.4	65	135				
Bromomethane	10.03	0.50	10	0	100	65	135				
Carbon disulfide	9.560	0.50	10	0	95.6	65	135				
Carbon tetrachloride	9.980	0.50	10	0	99.8	65	135				
Chlorobenzene	9.710	0.50	10	0	97.1	65	135				
Chloroethane	9.760	0.50	10	0	97.6	65	135				
Chloroform	9.700	0.50	10	0	97.0	65	135				
Chloromethane	10.15	0.50	10	0	102	65	135				
cis-1,2-Dichloroethene	9.470	0.50	10	0	94.7	65	135				
cis-1,3-Dichloropropene	10.46	0.50	10	0	105	65	135				

Qualifiers: E Value above quantitation range

ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits

J Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits

CLIENT: Mactec

Work Order: 06060093

Project: South Mesa WQARF/4972-04-2034.4.6

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R74978	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 74978						
Client ID:	Batch ID: R74978	TestNo: TO15		Analysis Date: 6/6/2006	SeqNo: 891288						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyclohexane	9.780	0.50	10	0	97.8	65	135				
Dibromochloromethane	9.910	0.50	10	0	99.1	65	135				
Dichlorodifluoromethane(F-12)	9.950	0.50	10	0	99.5	65	135				
Dichlorotetrafluoroethane(F-114)	9.930	0.50	10	0	99.3	65	135				
Ethyl Acetate	9.840	0.50	10	0	98.4	65	135				
Ethylbenzene	9.640	0.50	10	0	96.4	65	135				
Heptane	10.00	0.50	10	0	100	65	135				
Hexachlorobutadiene	9.850	1.0	10	0	98.5	65	135				
Hexane	10.02	0.50	10	0	100	65	135				
m&p-Xylene	19.73	1.0	20	0	98.6	65	135				
Methyl tert-butyl ether	9.660	1.0	10	0	96.6	65	135				
Methylene chloride	9.340	0.50	10	0	93.4	65	135				
o-Xylene	9.980	0.50	10	0	99.8	65	135				
Propene (Propylene)	9.470	0.50	10	0	94.7	65	135				
Styrene	9.890	0.50	10	0	98.9	65	135				
Tetrachloroethene	9.970	0.50	10	0	99.7	65	135				
Tetrahydrofuran	9.880	2.0	10	0	98.8	65	135				
Toluene	9.930	0.50	10	0	99.3	65	135				
trans-1,2-Dichloroethene	9.180	0.50	10	0	91.8	65	135				
trans-1,3-Dichloropropene	10.34	0.50	10	0	103	65	135				
Trichloroethene	10.10	0.50	10	0	101	65	135				
Trichlorofluoromethane(F-11)	10.14	0.50	10	0	101	65	135				
Trichlorotrifluoroethane(F-113)	9.710	0.50	10	0	97.1	65	135				
Vinyl acetate	9.930	0.50	10	0	99.3	65	135				
Vinyl chloride	9.960	0.50	10	0	99.6	65	135				
Surr: 4-Bromofluorobenzene	10.59	0.50	10	0	106	70	130				

Qualifiers: E Value above quantitation range
 ND Not Detected at the Reporting Limit
 H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT:

Mactec

Work Order:

06060093

Project:

South Mesa WQARF/4972-04-2034.4.6

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R74984	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 74984						
Client ID:	Batch ID: R74984	TestNo: TO15		Analysis Date: 6/5/2006	SeqNo: 891319						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	9.390	0.50	10	0	93.9	65	135				
1,1,2,2-Tetrachloroethane	9.180	0.50	10	0	91.8	65	135				
1,1,2-Trichloroethane	9.420	0.50	10	0	94.2	65	135				
1,1-Dichloroethane	9.340	0.50	10	0	93.4	65	135				
1,1-Dichloroethene	9.220	0.50	10	0	92.2	65	135				
1,2,4-Trichlorobenzene	7.630	2.0	10	0	76.3	65	135				
1,2,4-Trimethylbenzene	9.310	0.50	10	0	93.1	65	135				
1,2-Dibromoethane	9.460	0.50	10	0	94.6	65	135				
1,2-Dichlorobenzene	9.120	0.50	10	0	91.2	65	135				
1,2-Dichloroethane	9.470	0.50	10	0	94.7	65	135				
1,2-Dichloropropane	9.340	0.50	10	0	93.4	65	135				
1,3,5-Trimethylbenzene	9.400	0.50	10	0	94.0	65	135				
1,3-Butadiene	9.610	0.50	10	0	96.1	65	135				
1,3-Dichlorobenzene	9.160	0.50	10	0	91.6	65	135				
1,4-Dichlorobenzene	9.140	0.50	10	0	91.4	65	135				
2,2,4-Trimethylpentane	9.280	0.50	10	0	92.8	65	135				
2-Butanone (MEK)	9.350	1.0	10	0	93.5	65	135				
2-Hexanone	9.000	1.0	10	0	90.0	65	135				
2-Propanol	8.400	2.0	10	0	84.0	65	135				
4-Ethyltoluene	9.330	0.50	10	0	93.3	65	135				
4-Methyl-2-pentanone	9.580	1.0	10	0	95.8	65	135				
Acetone	9.110	5.0	10	0	91.1	65	135				
Allyl chloride	9.230	0.50	10	0	92.3	65	135				
Benzene	8.950	0.50	10	0	89.5	65	135				
Benzyl chloride	8.580	2.0	10	0	85.8	65	135				
Bromodichloromethane	9.580	0.50	10	0	95.8	65	135				
Bromoethene(Vinyl Bromide)	9.270	0.50	10	0	92.7	65	135				
Bromoform	9.190	0.50	10	0	91.9	65	135				
Bromomethane	9.490	0.50	10	0	94.9	65	135				

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT:

Mactec

Work Order:

06060093

Project:

South Mesa WQARF/4972-04-2034.4.6

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R74984	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 74984						
Client ID:	Batch ID: R74984	TestNo: TO15		Analysis Date: 6/5/2006	SeqNo: 891319						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	9,300	0.50	10	0	93.0	65	135				
Carbon tetrachloride	9,490	0.50	10	0	94.9	65	135				
Chlorobenzene	9,290	0.50	10	0	92.9	65	135				
Chloroethane	9,230	0.50	10	0	92.3	65	135				
Chloroform	9,250	0.50	10	0	92.5	65	135				
Chloromethane	9,680	0.50	10	0	96.8	65	135				
cis-1,2-Dichloroethene	9,140	0.50	10	0	91.4	65	135				
cis-1,3-Dichloropropene	9,920	0.50	10	0	99.2	65	135				
Cyclohexane	9,340	0.50	10	0	93.4	65	135				
Dibromochloromethane	9,370	0.50	10	0	93.7	65	135				
Dichlorodifluoromethane(F-12)	9,550	0.50	10	0	95.5	65	135				
Dichlorotetrafluoroethane(F-114)	9,320	0.50	10	0	93.2	65	135				
Ethyl Acetate	9,460	0.50	10	0	94.6	65	135				
Ethylbenzene	9,280	0.50	10	0	92.8	65	135				
Heptane	9,440	0.50	10	0	94.4	65	135				
Hexachlorobutadiene	9,350	1.0	10	0	93.5	65	135				
Hexane	9,580	0.50	10	0	95.8	65	135				
m&p-Xylene	18.27	1.0	20	0	91.4	65	135				
Methyl tert-butyl ether	9,620	1.0	10	0	96.2	65	135				
Methylene chloride	8,930	0.50	10	0	89.3	65	135				
o-Xylene	9,400	0.50	10	0	94.0	65	135				
Propene (Propylene)	9,400	0.50	10	0	94.0	65	135				
Styrene	9,290	0.50	10	0	92.9	65	135				
Tetrachloroethene	9,420	0.50	10	0	94.2	65	135				
Tetrahydrofuran	9,670	2.0	10	0	96.7	65	135				
Toluene	9,450	0.50	10	0	94.5	65	135				
trans-1,2-Dichloroethene	8,990	0.50	10	0	89.9	65	135				
trans-1,3-Dichloropropene	9,850	0.50	10	0	98.5	65	135				
Trichloroethene	9,450	0.50	10	0	94.5	65	135				

Qualifiers:

 E Value above quantitation range
 ND Not Detected at the Reporting Limit

 H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits

 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT:

Mactec

Work Order:

06060093

Project:

South Mesa WQARF/4972-04-2034.4.6

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R74984	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 74984						
Client ID:	Batch ID: R74984	TestNo: TO15		Analysis Date: 6/5/2006	SeqNo: 891319						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichlorofluoromethane(F-11)

9.620

0.50

10

0

96.2

65

135

Trichlorotrifluoroethane(F-113)

9.310

0.50

10

0

93.1

65

135

Vinyl acetate

9.480

0.50

10

0

94.8

65

135

Vinyl chloride

9.510

0.50

10

0

95.1

65

135

Surr: 4-Bromofluorobenzene

10.38

0.50

10

0

104

70

130

Sample ID: LCSD-R74978	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 74978						
Client ID:	Batch ID: R74978	TestNo: TO15		Analysis Date: 6/6/2006	SeqNo: 891289						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane

10.01

0.50

10

0

100

65

135

1,1,2,2-Tetrachloroethane

10.24

0.50

10

0

102

65

135

1,1,2-Trichloroethane

10.27

0.50

10

0

103

65

135

1,1-Dichloroethane

10.03

0.50

10

0

100

65

135

1,1-Dichloroethene

9.910

0.50

10

0

99.1

65

135

1,2,4-Trichlorobenzene

8.860

2.0

10

0

88.6

65

135

1,2,4-Trimethylbenzene

10.17

0.50

10

0

102

65

135

1,2-Dibromoethane

10.28

0.50

10

0

103

65

135

1,2-Dichlorobenzene

10.34

0.50

10

0

103

65

135

1,2-Dichloroethane

10.10

0.50

10

0

101

65

135

1,2-Dichloropropane

10.05

0.50

10

0

100

65

135

1,3,5-Trimethylbenzene

10.21

0.50

10

0

102

65

135

1,3-Butadiene

10.28

0.50

10

0

103

65

135

1,3-Dichlorobenzene

10.24

0.50

10

0

102

65

135

1,4-Dichlorobenzene

10.32

0.50

10

0

103

65

135

2,2,4-Trimethylpentane

9.980

0.50

10

0

99.8

65

135

2-Butanone (MEK)

10.18

1.0

10

0

102

65

135

2-Hexanone

11.15

1.0

10

0

112

65

135

2-Propanol

9.100

2.0

10

0

91.0

65

135

Qualifiers:

E Value above quantitation range

ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits

J Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits

CLIENT: Mactec
Work Order: 06060093
Project: South Mesa WQARF/4972-04-2034.4.6
TestCode: TO15

ANALYTICAL QC SUMMARY REPORT

Sample ID: LCSD-R74978	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 74978						
Client ID:	Batch ID: R74978	TestNo: TO15		Analysis Date: 6/6/2006	SeqNo: 891289						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Ethyltoluene	10.25	0.50	10	0	103	65	135	9.840	4.08	25	
4-Methyl-2-pentanone	11.10	1.0	10	0	111	65	135	10.53	5.27	25	
Acetone	9.850	5.0	10	0	98.5	65	135	9.430	4.36	25	
Allyl chloride	9.990	0.50	10	0	99.9	65	135	9.560	4.40	25	
Benzene	9.580	0.50	10	0	95.8	65	135	9.310	2.86	25	
Benzyl chloride	9.730	2.0	10	0	97.3	65	135	9.190	5.71	25	
Bromodichloromethane	10.41	0.50	10	0	104	65	135	10.19	2.14	25	
Bromoethene(Vinyl Bromide)	10.11	0.50	10	0	101	65	135	9.790	3.22	25	
Bromoform	10.02	0.50	10	0	100	65	135	9.740	2.83	25	
Bromomethane	10.38	0.50	10	0	104	65	135	10.03	3.43	25	
Carbon disulfide	9.920	0.50	10	0	99.2	65	135	9.560	3.70	25	
Carbon tetrachloride	10.07	0.50	10	0	101	65	135	9.980	0.898	25	
Chlorobenzene	10.07	0.50	10	0	101	65	135	9.710	3.64	25	
Chloroethane	10.19	0.50	10	0	102	65	135	9.760	4.31	25	
Chloroform	9.850	0.50	10	0	98.5	65	135	9.700	1.53	25	
Chloromethane	10.44	0.50	10	0	104	65	135	10.15	2.82	25	
cis-1,2-Dichloroethene	9.750	0.50	10	0	97.5	65	135	9.470	2.91	25	
cis-1,3-Dichloropropene	10.73	0.50	10	0	107	65	135	10.46	2.55	25	
Cyclohexane	9.980	0.50	10	0	99.8	65	135	9.780	2.02	25	
Dibromochloromethane	10.15	0.50	10	0	102	65	135	9.910	2.39	25	
Dichlorodifluoromethane(F-12)	9.970	0.50	10	0	99.7	65	135	9.950	0.201	25	
Dichlorotetrafluoroethane(F-114)	10.11	0.50	10	0	101	65	135	9.930	1.80	25	
Ethyl Acetate	10.32	0.50	10	0	103	65	135	9.840	4.76	25	
Ethylbenzene	10.06	0.50	10	0	101	65	135	9.640	4.26	25	
Heptane	10.25	0.50	10	0	103	65	135	10.00	2.47	25	
Hexachlorobutadiene	10.29	1.0	10	0	103	65	135	9.850	4.37	25	
Hexane	10.31	0.50	10	0	103	65	135	10.02	2.85	25	
m&p-Xylene	20.52	1.0	20	0	103	65	135	19.73	3.93	25	
Methyl tert-butyl ether	10.25	1.0	10	0	103	65	135	9.660	5.93	25	

Qualifiers: E Value above quantitation range
 ND Not Detected at the Reporting Limit
 H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT:

Mactec

Work Order: 06060093

Project: South Mesa WQARF/4972-04-2034.4.6

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCSD-R74978	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 74978						
Client ID:	Batch ID: R74978	TestNo: TO15		Analysis Date: 6/6/2006	SeqNo: 891289						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methylene chloride	9.540	0.50	10	0	95.4	65	135	9.340	2.12	25	
o-Xylene	10.34	0.50	10	0	103	65	135	9.980	3.54	25	
Propene (Propylene)	9.810	0.50	10	0	98.1	65	135	9.470	3.53	25	
Styrene	10.28	0.50	10	0	103	65	135	9.890	3.87	25	
Tetrachloroethene	10.22	0.50	10	0	102	65	135	9.970	2.48	25	
Tetrahydrofuran	10.42	2.0	10	0	104	65	135	9.880	5.32	25	
Toluene	10.24	0.50	10	0	102	65	135	9.930	3.07	25	
trans-1,2-Dichloroethene	9.540	0.50	10	0	95.4	65	135	9.180	3.85	25	
trans-1,3-Dichloropropene	10.70	0.50	10	0	107	65	135	10.34	3.42	25	
Trichloroethene	10.41	0.50	10	0	104	65	135	10.10	3.02	25	
Trichlorofluoromethane(F-11)	10.13	0.50	10	0	101	65	135	10.14	0.0987	25	
Trichlorotrifluoroethane(F-113)	9.970	0.50	10	0	99.7	65	135	9.710	2.64	25	
Vinyl acetate	10.34	0.50	10	0	103	65	135	9.930	4.05	25	
Vinyl chloride	10.33	0.50	10	0	103	65	135	9.960	3.65	25	
Surr: 4-Bromofluorobenzene	10.61	0.50	10	0	106	70	130	10.59	0	0	

Sample ID: LCSD-R74984	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 74984						
Client ID:	Batch ID: R74984	TestNo: TO15		Analysis Date: 6/5/2006	SeqNo: 891320						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	9.540	0.50	10	0	95.4	65	135	9.390	1.58	25	
1,1,2,2-Tetrachloroethane	9.470	0.50	10	0	94.7	65	135	9.180	3.11	25	
1,1,2-Trichloroethane	9.480	0.50	10	0	94.8	65	135	9.420	0.635	25	
1,1-Dichloroethane	9.510	0.50	10	0	95.1	65	135	9.340	1.80	25	
1,1-Dichloroethene	9.460	0.50	10	0	94.6	65	135	9.220	2.57	25	
1,2,4-Trichlorobenzene	8.090	2.0	10	0	80.9	65	135	7.630	5.85	25	
1,2,4-Trimethylbenzene	9.460	0.50	10	0	94.6	65	135	9.310	1.60	25	
1,2-Dibromoethane	9.570	0.50	10	0	95.7	65	135	9.460	1.16	25	
1,2-Dichlorobenzene	9.490	0.50	10	0	94.9	65	135	9.120	3.98	25	

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

CLIENT: Mactec

Work Order: 06060093

Project: South Mesa WQARF/4972-04-2034.4.6

Sample ID: LCSD-R74984	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 74984						
Client ID:	Batch ID: R74984	TestNo: TO15		Analysis Date: 6/5/2006	SeqNo: 891320						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane	9.530	0.50	10	0	95.3	65	135	9.470	0.632	25	
1,2-Dichloropropane	9.380	0.50	10	0	93.8	65	135	9.340	0.427	25	
1,3,5-Trimethylbenzene	9.520	0.50	10	0	95.2	65	135	9.400	1.27	25	
1,3-Butadiene	9.540	0.50	10	0	95.4	65	135	9.610	0.731	25	
1,3-Dichlorobenzene	9.470	0.50	10	0	94.7	65	135	9.160	3.33	25	
1,4-Dichlorobenzene	9.510	0.50	10	0	95.1	65	135	9.140	3.97	25	
2,2,4-Trimethylpentane	9.330	0.50	10	0	93.3	65	135	9.280	0.537	25	
2-Butanone (MEK)	9.910	1.0	10	0	99.1	65	135	9.350	5.82	25	
2-Hexanone	10.33	1.0	10	0	103	65	135	9.000	13.8	25	
2-Propanol	8.610	2.0	10	0	86.1	65	135	8.400	2.47	25	
4-Ethyltoluene	9.540	0.50	10	0	95.4	65	135	9.330	2.23	25	
4-Methyl-2-pentanone	10.32	1.0	10	0	103	65	135	9.580	7.44	25	
Acetone	9.300	5.0	10	0	93.0	65	135	9.110	2.06	25	
Allyl chloride	9.340	0.50	10	0	93.4	65	135	9.230	1.18	25	
Benzene	9.090	0.50	10	0	90.9	65	135	8.950	1.55	25	
Benzyl chloride	9.100	2.0	10	0	91.0	65	135	8.580	5.88	25	
Bromodichloromethane	9.650	0.50	10	0	96.5	65	135	9.580	0.728	25	
Bromoethene(Vinyl Bromide)	9.300	0.50	10	0	93.0	65	135	9.270	0.323	25	
Bromoform	9.360	0.50	10	0	93.6	65	135	9.190	1.83	25	
Bromomethane	9.530	0.50	10	0	95.3	65	135	9.490	0.421	25	
Carbon disulfide	9.380	0.50	10	0	93.8	65	135	9.300	0.857	25	
Carbon tetrachloride	9.560	0.50	10	0	95.6	65	135	9.490	0.735	25	
Chlorobenzene	9.430	0.50	10	0	94.3	65	135	9.290	1.50	25	
Chloroethane	9.450	0.50	10	0	94.5	65	135	9.230	2.36	25	
Chloroform	9.340	0.50	10	0	93.4	65	135	9.250	0.968	25	
Chloromethane	9.650	0.50	10	0	96.5	65	135	9.680	0.310	25	
cis-1,2-Dichloroethene	9.320	0.50	10	0	93.2	65	135	9.140	1.95	25	
cis-1,3-Dichloropropene	10.02	0.50	10	0	100	65	135	9.920	1.00	25	
Cyclohexane	9.430	0.50	10	0	94.3	65	135	9.340	0.959	25	

Qualifiers: E Value above quantitation range
 ND Not Detected at the Reporting Limit
 H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT: Mactec

Work Order: 06060093

Project: South Mesa WQARF/4972-04-2034.4.6

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCSD-R74984	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 74984						
Client ID:	Batch ID: R74984	TestNo: TO15		Analysis Date: 6/5/2006	SeqNo: 891320						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	9.490	0.50	10	0	94.9	65	135	9.370	1.27	25	
Dichlorodifluoromethane(F-12)	9.400	0.50	10	0	94.0	65	135	9.550	1.58	25	
Dichlorotetrafluoroethane(F-114)	9.460	0.50	10	0	94.6	65	135	9.320	1.49	25	
Ethyl Acetate	9.730	0.50	10	0	97.3	65	135	9.460	2.81	25	
Ethylbenzene	9.380	0.50	10	0	93.8	65	135	9.280	1.07	25	
Heptane	9.470	0.50	10	0	94.7	65	135	9.440	0.317	25	
Hexachlorobutadiene	9.490	1.0	10	0	94.9	65	135	9.350	1.49	25	
Hexane	9.770	0.50	10	0	97.7	65	135	9.580	1.96	25	
m&p-Xylene	19.11	1.0	20	0	95.6	65	135	18.27	4.49	25	
Methyl tert-butyl ether	9.890	1.0	10	0	98.9	65	135	9.620	2.77	25	
Methylene chloride	9.060	0.50	10	0	90.6	65	135	8.930	1.45	25	
o-Xylene	9.600	0.50	10	0	96.0	65	135	9.400	2.11	25	
Propene (Propylene)	9.310	0.50	10	0	93.1	65	135	9.400	0.962	25	
Styrene	9.590	0.50	10	0	95.9	65	135	9.290	3.18	25	
Tetrachloroethene	9.480	0.50	10	0	94.8	65	135	9.420	0.635	25	
Tetrahydrofuran	9.790	2.0	10	0	97.9	65	135	9.670	1.23	25	
Toluene	9.540	0.50	10	0	95.4	65	135	9.450	0.948	25	
trans-1,2-Dichloroethene	9.020	0.50	10	0	90.2	65	135	8.990	0.333	25	
trans-1,3-Dichloropropene	9.970	0.50	10	0	99.7	65	135	9.850	1.21	25	
Trichloroethene	9.510	0.50	10	0	95.1	65	135	9.450	0.633	25	
Trichlorofluoromethane(F-11)	9.550	0.50	10	0	95.5	65	135	9.620	0.730	25	
Trichlorotrifluoroethane(F-113)	9.410	0.50	10	0	94.1	65	135	9.310	1.07	25	
Vinyl acetate	9.830	0.50	10	0	98.3	65	135	9.480	3.63	25	
Vinyl chloride	9.520	0.50	10	0	95.2	65	135	9.510	0.105	25	
Surr: 4-Bromofluorobenzene	10.46	0.50	10	0	105	70	130	10.38	0	0	

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Aerotech Environmental Laboratories Sample Receipt Checklist

Project Checked By: _____

Laboratory Number: <u>06-06-0093</u>		Checklist completed by: <u>RF</u> <u>6/3/06</u>	
Client Name: <u>mactec</u>		Signature/Date	
Matrix: <u>Air</u>	Carrier Name: <u>M. Hamma</u>	Date/Time Rec'd: <u>6/3/06 1040</u>	By: <u>RF</u>
Temperature of Samples? <u>Amb.</u> °C		Circle one: Blue Ice Wet Ice <u>Not Present</u>	

	Yes	No*	Not Present	Soil Containers:
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/>			Brass Sleeve _____
Custody seals intact on shipping container/cooler?			<input checked="" type="checkbox"/>	Glass Jar _____
Custody seals intact on sample containers?			<input checked="" type="checkbox"/>	Methanol _____
Chain of Custody present and relinquished/received properly?	<input checked="" type="checkbox"/>			Plastic Bag _____
Chain of Custody agrees with sample labels?	<input checked="" type="checkbox"/>			Encore Samplers _____
Samples in proper containers/bottles?	<input checked="" type="checkbox"/>			
Sample containers intact?	<input checked="" type="checkbox"/>			
All samples received within holding time?	<input checked="" type="checkbox"/>			**See Comment about Chlorine and pH
Is there sufficient sample volume to perform the tests?	<input checked="" type="checkbox"/>			
40mL vials for volatiles & SOCs received with zero headspace?			<input checked="" type="checkbox"/>	

Total number of bottles received: <u>9</u>	IH sample media: <u>1C canister</u>
If applicable, how many sample bottles were shipped from AEL-Tucson?	N/A <input checked="" type="checkbox"/>

Number of containers received by preservative and by sample number: (If more than 15 samples are rec'd, please continue on separate sheet(s))

Preservative	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A-General	1	1	1	1											
B-HNO3															
C-H2SO4															
D-HCl															
E-Na2S2O3															
F-NaOH															
G-Sulfide															
H-Na Sulfite															
I-MCAA															
J-Methanol															
K-HAA															
L-Other															

Water-pH acceptable upon receipt? Yes No N/A ☒

Preservative & pH	pH of samples upon receipt	If pH requires adjustment, list sample number, and reagent ID. number
Metals <2		
Nutrients <2		
Total Phenols <2		
413 (O&G) <2		
418 (TPH) <2		
Cyanide >12		
Sulfide >9		

*Any No response must be detailed in the comments section below. Contact the PM immediately to determine how to proceed.
Refer to SOP 11-001.04, Section 1.8.6. Continue on back if additional space is needed.

**The holding time for pH and Total Residual Chlorine analysis is immediate. For the most accurate result, the pH and Total Residual Chlorine should be taken in the field within 15 minutes of sampling.

Comments:

Corrective Action:



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Lab Number:

86-06-0093

Sample Type Codes	
DW - Drinking Water	A - Air
WW - Waste Water	S - Soil
	HW - Hazardous Waste
	Other

Customer Number:		Page 1 of 1
Customer: MACTEC, INC.		Sampler: MARK HAMMER
Address: 3630 E WIER AVE		Project Name: SOUTH MESA WPA RF
City, State, Zip: PHX, AZ 85040		Project Number: 4972-04-2034.4.6
Contact: JIM CLARKE		P.O. Number:
Phone: 602 437-0250	Fax: 602 437-3675	Fax Results: N
E-Mail Address: JIMCLARKE@MACTEC.COM		E-Mail Results: N

Sample Receipt	Turn Around Request
Temperature <u>AND</u> °C	<u>24</u> Hours _____ 48 Hours _____
Custody Seals: Yes _____ No <u>✓</u>	_____ 72 Hours _____
Custody Seals intact: Yes _____ No <u>✓</u>	_____ 5 Working Days _____
Total # of Containers: _____	<u>X</u> Standard 10 Working Days _____

Subject to scheduling & availability (surcharges apply).

Sample Information

[illegible]

Instructions / Special Requirements:

Received By:

Samples Relinquished By:

Date: _____ Time: _____

Analysis performed is subject to the Terms & Conditions available at www.aeroenvirolabs.com or call 866.772.5227 to request a copy.

Chain of Custody, Page 1 of 1, REV 02, 111803, VPQAS



Aerotech Environmental Laboratories

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Wednesday, July 12, 2006

Jim Clarke
Mactec
3630 East Wier Avenue
Phoenix, AZ 85040

TEL: (602) 437-0250

FAX (602) 437-3675

RE: South Mesa WQARF ERA/4972-04-2034.4.

Order No.: 06070176

Dear Jim Clarke:

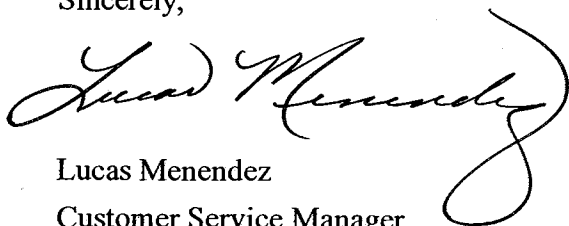
Aerotech Environmental, Inc. received 4 sample(s) on 7/7/2006 for the analyses presented in the following report.

This report includes the following information:

- Case Narrative.
- Analytical Report: includes test results, report limit (Limit), any applicable data qualifier (Qual), units, dilution factor (DF), and date analyzed.
- QC Summary Report.

This communication is intended only for the individual or entity to whom it is directed. It may contain information that is privileged, confidential, or otherwise exempt from disclosure under applicable law. Dissemination, distribution, or copying of this communication by anyone other than the intended recipient, or a duly designated employee or agent of such recipient, is prohibited. If you have received this communication in error, please notify us immediately and destroy this message and all attachments thereto. If you have any questions regarding these test results, please do not hesitate to call.

Sincerely,



Lucas Menendez
Customer Service Manager





Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental, Inc.

Date: 12-Jul-06

CLIENT: Mactec
Project: South Mesa WQARF ERA/4972-04-2034.4.6
Lab Order: 06070176

CASE NARRATIVE

Samples were analyzed using methods outlined in references such as:

Standard Methods for the Examination of Water and Wastewater, 19th Edition, 1995.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Methods for the Determination of Organic Compounds in Drinking Water: Supplement III, EPA/600/R-95/131, August 1995.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

40 CFR, Part 136, Revised 1998. Appendix A to Part 136 - Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater.

NIOSH Manual of Analytical Methods, Fourth Edition, 1994.

Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.

Aerotech Environmental Laboratories (AEL) holds Arizona certification no. AZ0610 and AEL-Tucson holds Arizona certification no. AZ0609.

Aerotech Environmental Laboratories (Laboratory 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.

Analytical Comments:

All method blanks and laboratory control spikes met EPA method and/or laboratory quality control objectives for the analyses included in this report.

Data Qualifiers:

Listed below are the data qualifiers used in your analytical report to explain any analytical or quality control issues. You will find them noted in your report under the column header "QUAL". Any quality control deficiencies that cannot be adequately described by these qualifiers will be addressed in the analytical comments section of this case narrative.

D2 Sample required dilution due to high concentration of target analyte.



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 13-Jul-06

CLIENT:	Mactec	Client Sample ID:	EFF
Lab Order:	06070176	Tag Number:	00234
Project:	South Mesa WQARF ERA/4972-04-2034.4.6	Collection Date:	7/7/2006 10:00:00 AM
Lab ID:	06070176-01A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
1,1,1-Trichloroethane	< 0.50	0.50	< 2.8	2.8	1	7/10/2006	
1,1,2,2-Tetrachloroethane	< 0.50	0.50	< 3.5	3.5	1	7/10/2006	
1,1,2-Trichloroethane	< 0.50	0.50	< 2.8	2.8	1	7/10/2006	
1,1-Dichloroethane	< 0.50	0.50	< 2.1	2.1	1	7/10/2006	
1,1-Dichloroethene	< 0.50	0.50	< 2.0	2.0	1	7/10/2006	
1,2,4-Trichlorobenzene	< 2.0	2.0	< 15	15	1	7/10/2006	
1,2,4-Trimethylbenzene	0.70	0.50	3.5	2.5	1	7/10/2006	
1,2-Dibromoethane	< 0.50	0.50	< 3.9	3.9	1	7/10/2006	
1,2-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1	7/10/2006	
1,2-Dichloroethane	< 0.50	0.50	< 2.1	2.1	1	7/10/2006	
1,2-Dichloropropane	< 0.50	0.50	< 2.4	2.4	1	7/10/2006	
1,3,5-Trimethylbenzene	< 0.50	0.50	< 2.5	2.5	1	7/10/2006	
1,3-Butadiene	< 0.50	0.50	< 1.1	1.1	1	7/10/2006	
1,3-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1	7/10/2006	
1,4-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1	7/10/2006	
2,2,4-Trimethylpentane	0.67	0.50	3.2	2.4	1	7/10/2006	
2-Butanone (MEK)	< 1.0	1.0	< 3.0	3.0	1	7/10/2006	
2-Hexanone	< 1.0	1.0	< 4.2	4.2	1	7/10/2006	
2-Propanol	7.8	2.0	19	5.0	1	7/10/2006	
4-Ethyltoluene	< 0.50	0.50	< 2.2	2.2	1	7/10/2006	
4-Methyl-2-pentanone	< 1.0	1.0	< 4.2	4.2	1	7/10/2006	
Acetone	11	5.0	27	12	1	7/10/2006	
Allyl chloride	< 0.50	0.50	< 0.80	0.80	1	7/10/2006	
Benzene	1.4	0.50	4.6	1.6	1	7/10/2006	
Benzyl chloride	< 2.0	2.0	< 11	11	1	7/10/2006	
Bromodichloromethane	< 0.50	0.50	< 3.4	3.4	1	7/10/2006	

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank

- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 1 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 13-Jul-06

CLIENT:	Mactec	Client Sample ID:	EFF
Lab Order:	06070176	Tag Number:	00234
Project:	South Mesa WQARF ERA/4972-04-2034.4.6	Collection Date:	7/7/2006 10:00:00 AM
Lab ID:	06070176-01A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Bromoethene(Vinyl Bromide)	< 0.50	0.50	< 1.1	1.1	1	7/10/2006	
Bromoform	< 0.50	0.50	< 5.2	5.2	1	7/10/2006	
Bromomethane	< 0.50	0.50	< 2.0	2.0	1	7/10/2006	
Carbon disulfide	< 0.50	0.50	< 1.6	1.6	1	7/10/2006	
Carbon tetrachloride	< 0.50	0.50	< 3.2	3.2	1	7/10/2006	
Chlorobenzene	< 0.50	0.50	< 2.4	2.4	1	7/10/2006	
Chloroethane	< 0.50	0.50	< 1.3	1.3	1	7/10/2006	
Chloroform	< 0.50	0.50	< 2.5	2.5	1	7/10/2006	
Chloromethane	0.58	0.50	1.2	1.0	1	7/10/2006	
cis-1,2-Dichloroethene	< 0.50	0.50	< 2.0	2.0	1	7/10/2006	
cis-1,3-Dichloropropene	< 0.50	0.50	< 2.3	2.3	1	7/10/2006	
Cyclohexane	< 0.50	0.50	< 1.7	1.7	1	7/10/2006	
Dibromochloromethane	< 0.50	0.50	< 4.3	4.3	1	7/10/2006	
Dichlorodifluoromethane(F-12)	0.84	0.50	4.2	2.5	1	7/10/2006	
Dichlorotetrafluoroethane(F-114)	< 0.50	0.50	< 3.6	3.6	1	7/10/2006	
Ethyl Acetate	< 0.50	0.50	< 1.8	1.8	1	7/10/2006	
Ethylbenzene	< 0.50	0.50	< 2.2	2.2	1	7/10/2006	
Heptane	< 0.50	0.50	< 2.1	2.1	1	7/10/2006	
Hexachlorobutadiene	< 1.0	1.0	< 11	11	1	7/10/2006	
Hexane	< 0.50	0.50	< 1.8	1.8	1	7/10/2006	
m&p-Xylene	< 1.0	1.0	< 4.4	4.4	1	7/10/2006	
Methyl tert-butyl ether	< 1.0	1.0	< 3.7	3.7	1	7/10/2006	
Methylene chloride	< 0.50	0.50	< 1.8	1.8	1	7/10/2006	
o-Xylene	< 0.50	0.50	< 2.2	2.2	1	7/10/2006	
Propene (Propylene)	1.6	0.50	2.8	0.88	1	7/10/2006	
Styrene	< 0.50	0.50	< 2.2	2.2	1	7/10/2006	

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	* - Value exceeds Maximum Contaminant Level	

Page 2 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 13-Jul-06

CLIENT: Mactec
Lab Order: 06070176
Project: South Mesa WQARF ERA/4972-04-2034.4.6
Lab ID: 06070176-01A

Client Sample ID: EFF
Tag Number: 00234
Collection Date: 7/7/2006 10:00:00 AM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Tetrachloroethene	< 0.50	0.50	< 3.4	3.4	1	7/10/2006	
Tetrahydrofuran	< 2.0	2.0	< 6.0	6.0	1	7/10/2006	
Toluene	1.1	0.50	4.2	1.9	1	7/10/2006	
trans-1,2-Dichloroethene	< 0.50	0.50	< 2.0	2.0	1	7/10/2006	
trans-1,3-Dichloropropene	< 0.50	0.50	< 2.3	2.3	1	7/10/2006	
Trichloroethene	0.85	0.50	4.7	2.8	1	7/10/2006	
Trichlorofluoromethane(F-11)	< 0.50	0.50	< 2.8	2.8	1	7/10/2006	
Trichlorotrifluoroethane(F-113)	< 0.50	0.50	< 3.9	3.9	1	7/10/2006	
Vinyl acetate	< 0.50	0.50	< 1.8	1.8	1	7/10/2006	
Vinyl chloride	< 0.50	0.50	< 1.3	1.3	1	7/10/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 3 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 13-Jul-06

CLIENT:	Mactec	Client Sample ID:	INT
Lab Order:	06070176	Tag Number:	00204
Project:	South Mesa WQARF ERA/4972-04-2034.4.6	Collection Date:	7/7/2006 10:05:00 AM
Lab ID:	06070176-02A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
1,1,1-Trichloroethane	< 1.0	1.0	< 5.5	5.5	2	7/10/2006	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	< 7.0	7.0	2	7/10/2006	
1,1,2-Trichloroethane	< 1.0	1.0	< 5.5	5.5	2	7/10/2006	
1,1-Dichloroethane	15	1.0	62	4.1	2	7/10/2006	
1,1-Dichloroethene	12	1.0	48	4.0	2	7/10/2006	
1,2,4-Trichlorobenzene	< 4.0	4.0	< 30	30	2	7/10/2006	
1,2,4-Trimethylbenzene	< 1.0	1.0	< 5.0	5.0	2	7/10/2006	
1,2-Dibromoethane	< 1.0	1.0	< 7.8	7.8	2	7/10/2006	
1,2-Dichlorobenzene	< 1.0	1.0	< 6.1	6.1	2	7/10/2006	
1,2-Dichloroethane	< 1.0	1.0	< 4.1	4.1	2	7/10/2006	
1,2-Dichloropropane	< 1.0	1.0	< 4.7	4.7	2	7/10/2006	
1,3,5-Trimethylbenzene	< 1.0	1.0	< 5.0	5.0	2	7/10/2006	
1,3-Butadiene	< 1.0	1.0	< 2.2	2.2	2	7/10/2006	
1,3-Dichlorobenzene	< 1.0	1.0	< 6.1	6.1	2	7/10/2006	
1,4-Dichlorobenzene	< 1.0	1.0	< 6.1	6.1	2	7/10/2006	
2,2,4-Trimethylpentane	2.4	1.0	11	4.7	2	7/10/2006	
2-Butanone (MEK)	< 2.0	2.0	< 6.0	6.0	2	7/10/2006	
2-Hexanone	< 2.0	2.0	< 8.3	8.3	2	7/10/2006	
2-Propanol	< 4.0	4.0	< 10	10	2	7/10/2006	
4-Ethyltoluene	< 1.0	1.0	< 4.4	4.4	2	7/10/2006	
4-Methyl-2-pentanone	< 2.0	2.0	< 8.3	8.3	2	7/10/2006	
Acetone	< 10	10	< 24	24	2	7/10/2006	
Allyl chloride	< 1.0	1.0	< 1.6	1.6	2	7/10/2006	
Benzene	< 1.0	1.0	< 3.2	3.2	2	7/10/2006	
Benzyl chloride	< 4.0	4.0	< 21	21	2	7/10/2006	
Bromodichloromethane	< 1.0	1.0	< 6.8	6.8	2	7/10/2006	

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	* - Value exceeds Maximum Contaminant Level	

Page 4 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 13-Jul-06

CLIENT:	Mactec	Client Sample ID:	INT
Lab Order:	06070176	Tag Number:	00204
Project:	South Mesa WQARF ERA/4972-04-2034.4.6	Collection Date:	7/7/2006 10:05:00 AM
Lab ID:	06070176-02A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Bromoethene(Vinyl Bromide)	< 1.0	1.0	< 2.2	2.2	2	7/10/2006	
Bromoform	< 1.0	1.0	< 10	10	2	7/10/2006	
Bromomethane	< 1.0	1.0	< 4.0	4.0	2	7/10/2006	
Carbon disulfide	< 1.0	1.0	< 3.2	3.2	2	7/10/2006	
Carbon tetrachloride	< 1.0	1.0	< 6.4	6.4	2	7/10/2006	
Chlorobenzene	< 1.0	1.0	< 4.7	4.7	2	7/10/2006	
Chloroethane	< 1.0	1.0	< 2.7	2.7	2	7/10/2006	
Chloroform	6.8	1.0	34	5.0	2	7/10/2006	
Chloromethane	< 1.0	1.0	< 2.1	2.1	2	7/10/2006	
cis-1,2-Dichloroethene	4.0	1.0	16	4.0	2	7/10/2006	
cis-1,3-Dichloropropene	< 1.0	1.0	< 4.6	4.6	2	7/10/2006	
Cyclohexane	< 1.0	1.0	< 3.5	3.5	2	7/10/2006	
Dibromochloromethane	< 1.0	1.0	< 8.6	8.6	2	7/10/2006	
Dichlorodifluoromethane(F-12)	2.2	1.0	11	5.0	2	7/10/2006	
Dichlorotetrafluoroethane(F-114)	< 1.0	1.0	< 7.1	7.1	2	7/10/2006	
Ethyl Acetate	< 1.0	1.0	< 3.7	3.7	2	7/10/2006	
Ethylbenzene	< 1.0	1.0	< 4.4	4.4	2	7/10/2006	
Heptane	< 1.0	1.0	< 4.2	4.2	2	7/10/2006	
Hexachlorobutadiene	< 2.0	2.0	< 22	22	2	7/10/2006	
Hexane	< 1.0	1.0	< 3.6	3.6	2	7/10/2006	
m&p-Xylene	< 2.0	2.0	< 8.8	8.8	2	7/10/2006	
Methyl tert-butyl ether	< 2.0	2.0	< 7.3	7.3	2	7/10/2006	
Methylene chloride	< 1.0	1.0	< 3.5	3.5	2	7/10/2006	
o-Xylene	< 1.0	1.0	< 4.4	4.4	2	7/10/2006	
Propene (Propylene)	< 1.0	1.0	< 1.8	1.8	2	7/10/2006	
Styrene	< 1.0	1.0	< 4.3	4.3	2	7/10/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

Page 5 of 12



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental, Inc.

Date: 13-Jul-06

CLIENT:	Mactec	Client Sample ID:	INT
Lab Order:	06070176	Tag Number:	00204
Project:	South Mesa WQARF ERA/4972-04-2034.4.6	Collection Date:	7/7/2006 10:05:00 AM
Lab ID:	06070176-02A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15		Analyst: KPD			
Tetrachloroethene	72	1.0	500	6.9	D2	2	7/10/2006
Tetrahydrofuran	< 4.0	4.0	< 12	12		2	7/10/2006
Toluene	< 1.0	1.0	< 3.8	3.8		2	7/10/2006
trans-1,2-Dichloroethene	< 1.0	1.0	< 4.0	4.0		2	7/10/2006
trans-1,3-Dichloropropene	< 1.0	1.0	< 4.6	4.6		2	7/10/2006
Trichloroethene	3.0	1.0	17	5.5		2	7/10/2006
Trichlorofluoromethane(F-11)	5.6	1.0	32	5.7		2	7/10/2006
Trichlorotrifluoroethane(F-113)	< 1.0	1.0	< 7.8	7.8		2	7/10/2006
Vinyl acetate	< 1.0	1.0	< 3.6	3.6		2	7/10/2006
Vinyl chloride	< 1.0	1.0	< 2.6	2.6		2	7/10/2006

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Page 6 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 13-Jul-06

CLIENT: Mactec **Client Sample ID:** INF
Lab Order: 06070176 **Tag Number:** 01424
Project: South Mesa WQARF ERA/4972-04-2034.4.6 **Collection Date:** 7/7/2006 10:10:00 AM
Lab ID: 06070176-03A **Matrix:** AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
1,1,1-Trichloroethane	< 2.5	2.5	< 14	14	5	7/10/2006	
1,1,2,2-Tetrachloroethane	< 2.5	2.5	< 17	17	5	7/10/2006	
1,1,2-Trichloroethane	< 2.5	2.5	< 14	14	5	7/10/2006	
1,1-Dichloroethane	12	2.5	49	10	5	7/10/2006	
1,1-Dichloroethene	9.0	2.5	36	10	5	7/10/2006	
1,2,4-Trichlorobenzene	< 10	10	< 75	75	5	7/10/2006	
1,2,4-Trimethylbenzene	< 2.5	2.5	< 12	12	5	7/10/2006	
1,2-Dibromoethane	< 2.5	2.5	< 20	20	5	7/10/2006	
1,2-Dichlorobenzene	< 2.5	2.5	< 15	15	5	7/10/2006	
1,2-Dichloroethane	< 2.5	2.5	< 10	10	5	7/10/2006	
1,2-Dichloropropane	< 2.5	2.5	< 12	12	5	7/10/2006	
1,3,5-Trimethylbenzene	< 2.5	2.5	< 12	12	5	7/10/2006	
1,3-Butadiene	< 2.5	2.5	< 5.6	5.6	5	7/10/2006	
1,3-Dichlorobenzene	3.4	2.5	21	15	5	7/10/2006	
1,4-Dichlorobenzene	< 2.5	2.5	< 15	15	5	7/10/2006	
2,2,4-Trimethylpentane	< 2.5	2.5	< 12	12	5	7/10/2006	
2-Butanone (MEK)	< 5.0	5.0	< 15	15	5	7/10/2006	
2-Hexanone	< 5.0	5.0	< 21	21	5	7/10/2006	
2-Propanol	< 10	10	< 25	25	5	7/10/2006	
4-Ethyltoluene	< 2.5	2.5	< 11	11	5	7/10/2006	
4-Methyl-2-pentanone	< 5.0	5.0	< 21	21	5	7/10/2006	
Acetone	< 25	25	< 60	60	5	7/10/2006	
Allyl chloride	< 2.5	2.5	< 4.0	4.0	5	7/10/2006	
Benzene	< 2.5	2.5	< 8.1	8.1	5	7/10/2006	
Benzyl chloride	< 10	10	< 53	53	5	7/10/2006	
Bromodichloromethane	< 2.5	2.5	< 17	17	5	7/10/2006	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 * - Value exceeds Maximum Contaminant Level

Page 7 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 13-Jul-06

CLIENT:	Mactec	Client Sample ID:	INF
Lab Order:	06070176	Tag Number:	01424
Project:	South Mesa WQARF ERA/4972-04-2034.4.6	Collection Date:	7/7/2006 10:10:00 AM
Lab ID:	06070176-03A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Bromoethene(Vinyl Bromide)	< 2.5	2.5	< 5.6	5.6	5	7/10/2006	
Bromoform	< 2.5	2.5	< 26	26	5	7/10/2006	
Bromomethane	< 2.5	2.5	< 9.9	9.9	5	7/10/2006	
Carbon disulfide	< 2.5	2.5	< 7.9	7.9	5	7/10/2006	
Carbon tetrachloride	< 2.5	2.5	< 16	16	5	7/10/2006	
Chlorobenzene	< 2.5	2.5	< 12	12	5	7/10/2006	
Chloroethane	< 2.5	2.5	< 6.7	6.7	5	7/10/2006	
Chloroform	8.0	2.5	40	12	5	7/10/2006	
Chloromethane	< 2.5	2.5	< 5.2	5.2	5	7/10/2006	
cis-1,2-Dichloroethene	< 2.5	2.5	< 10	10	5	7/10/2006	
cis-1,3-Dichloropropene	< 2.5	2.5	< 12	12	5	7/10/2006	
Cyclohexane	< 2.5	2.5	< 8.7	8.7	5	7/10/2006	
Dibromochloromethane	< 2.5	2.5	< 22	22	5	7/10/2006	
Dichlorodifluoromethane(F-12)	< 2.5	2.5	< 13	13	5	7/10/2006	
Dichlorotetrafluoroethane(F-114)	< 2.5	2.5	< 18	18	5	7/10/2006	
Ethyl Acetate	< 2.5	2.5	< 9.2	9.2	5	7/10/2006	
Ethylbenzene	< 2.5	2.5	< 11	11	5	7/10/2006	
Heptane	< 2.5	2.5	< 10	10	5	7/10/2006	
Hexachlorobutadiene	< 5.0	5.0	< 54	54	5	7/10/2006	
Hexane	< 2.5	2.5	< 8.9	8.9	5	7/10/2006	
m&p-Xylene	< 5.0	5.0	< 22	22	5	7/10/2006	
Methyl tert-butyl ether	< 5.0	5.0	< 18	18	5	7/10/2006	
Methylene chloride	< 2.5	2.5	< 8.8	8.8	5	7/10/2006	
o-Xylene	< 2.5	2.5	< 11	11	5	7/10/2006	
Propene (Propylene)	< 2.5	2.5	< 4.4	4.4	5	7/10/2006	
Styrene	< 2.5	2.5	< 11	11	5	7/10/2006	

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 8 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 13-Jul-06

CLIENT: Mactec **Client Sample ID:** INF
Lab Order: 06070176 **Tag Number:** 01424
Project: South Mesa WQARF ERA/4972-04-2034.4.6 **Collection Date:** 7/7/2006 10:10:00 AM
Lab ID: 06070176-03A **Matrix:** AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Tetrachloroethene	240	2.5	1700	17	D2	5	7/10/2006
Tetrahydrofuran	< 10	10	< 30	30		5	7/10/2006
Toluene	< 2.5	2.5	< 9.6	9.6		5	7/10/2006
trans-1,2-Dichloroethene	< 2.5	2.5	< 10	10		5	7/10/2006
trans-1,3-Dichloropropene	< 2.5	2.5	< 12	12		5	7/10/2006
Trichloroethene	< 2.5	2.5	< 14	14		5	7/10/2006
Trichlorofluoromethane(F-11)	4.2	2.5	24	14		5	7/10/2006
Trichlorotrifluoroethane(F-113)	< 2.5	2.5	< 19	19		5	7/10/2006
Vinyl acetate	< 2.5	2.5	< 8.9	8.9		5	7/10/2006
Vinyl chloride	< 2.5	2.5	< 6.5	6.5		5	7/10/2006

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

Page 9 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 13-Jul-06

CLIENT:	Mactec	Client Sample ID:	VW-7B
Lab Order:	06070176	Tag Number:	01332
Project:	South Mesa WQARF ERA/4972-04-2034.4.6	Collection Date:	7/7/2006 10:25:00 AM
Lab ID:	06070176-04A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR				TO15			Analyst: KPD
1,1,1-Trichloroethane	< 0.50	0.50	< 2.8	2.8	1	7/10/2006	
1,1,2,2-Tetrachloroethane	< 0.50	0.50	< 3.5	3.5	1	7/10/2006	
1,1,2-Trichloroethane	< 0.50	0.50	< 2.8	2.8	1	7/10/2006	
1,1-Dichloroethane	14	0.50	58	2.1	1	7/10/2006	
1,1-Dichloroethene	11	0.50	44	2.0	1	7/10/2006	
1,2,4-Trichlorobenzene	< 2.0	2.0	< 15	15	1	7/10/2006	
1,2,4-Trimethylbenzene	< 0.50	0.50	< 2.5	2.5	1	7/10/2006	
1,2-Dibromoethane	< 0.50	0.50	< 3.9	3.9	1	7/10/2006	
1,2-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1	7/10/2006	
1,2-Dichloroethane	< 0.50	0.50	< 2.1	2.1	1	7/10/2006	
1,2-Dichloropropane	4.2	0.50	20	2.4	1	7/10/2006	
1,3,5-Trimethylbenzene	< 0.50	0.50	< 2.5	2.5	1	7/10/2006	
1,3-Butadiene	< 0.50	0.50	< 1.1	1.1	1	7/10/2006	
1,3-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1	7/10/2006	
1,4-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1	7/10/2006	
2,2,4-Trimethylpentane	2.9	0.50	14	2.4	1	7/10/2006	
2-Butanone (MEK)	< 1.0	1.0	< 3.0	3.0	1	7/10/2006	
2-Hexanone	< 1.0	1.0	< 4.2	4.2	1	7/10/2006	
2-Propanol	< 2.0	2.0	< 5.0	5.0	1	7/10/2006	
4-Ethyltoluene	< 0.50	0.50	< 2.2	2.2	1	7/10/2006	
4-Methyl-2-pentanone	< 1.0	1.0	< 4.2	4.2	1	7/10/2006	
Acetone	6.7	5.0	16	12	1	7/10/2006	
Allyl chloride	< 0.50	0.50	< 0.80	0.80	1	7/10/2006	
Benzene	< 0.50	0.50	< 1.6	1.6	1	7/10/2006	
Benzyl chloride	< 2.0	2.0	< 11	11	1	7/10/2006	
Bromodichloromethane	1.0	0.50	6.8	3.4	1	7/10/2006	

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	* - Value exceeds Maximum Contaminant Level	

Page 10 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 13-Jul-06

CLIENT:	Mactec	Client Sample ID:	VW-7B
Lab Order:	06070176	Tag Number:	01332
Project:	South Mesa WQARF ERA/4972-04-2034.4.6	Collection Date:	7/7/2006 10:25:00 AM
Lab ID:	06070176-04A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Bromoethene(Vinyl Bromide)	< 0.50	0.50	< 1.1	1.1	1	7/10/2006	
Bromoform	< 0.50	0.50	< 5.2	5.2	1	7/10/2006	
Bromomethane	< 0.50	0.50	< 2.0	2.0	1	7/10/2006	
Carbon disulfide	< 0.50	0.50	< 1.6	1.6	1	7/10/2006	
Carbon tetrachloride	< 0.50	0.50	< 3.2	3.2	1	7/10/2006	
Chlorobenzene	< 0.50	0.50	< 2.4	2.4	1	7/10/2006	
Chloroethane	< 0.50	0.50	< 1.3	1.3	1	7/10/2006	
Chloroform	9.1	0.50	45	2.5	1	7/10/2006	
Chloromethane	< 0.50	0.50	< 1.0	1.0	1	7/10/2006	
cis-1,2-Dichloroethene	2.8	0.50	11	2.0	1	7/10/2006	
cis-1,3-Dichloropropene	< 0.50	0.50	< 2.3	2.3	1	7/10/2006	
Cyclohexane	< 0.50	0.50	< 1.7	1.7	1	7/10/2006	
Dibromochloromethane	< 0.50	0.50	< 4.3	4.3	1	7/10/2006	
Dichlorodifluoromethane(F-12)	1.8	0.50	9.1	2.5	1	7/10/2006	
Dichlorotetrafluoroethane(F-114)	< 0.50	0.50	< 3.6	3.6	1	7/10/2006	
Ethyl Acetate	< 0.50	0.50	< 1.8	1.8	1	7/10/2006	
Ethylbenzene	< 0.50	0.50	< 2.2	2.2	1	7/10/2006	
Heptane	< 0.50	0.50	< 2.1	2.1	1	7/10/2006	
Hexachlorobutadiene	< 1.0	1.0	< 11	11	1	7/10/2006	
Hexane	< 0.50	0.50	< 1.8	1.8	1	7/10/2006	
m&p-Xylene	< 1.0	1.0	< 4.4	4.4	1	7/10/2006	
Methyl tert-butyl ether	< 1.0	1.0	< 3.7	3.7	1	7/10/2006	
Methylene chloride	< 0.50	0.50	< 1.8	1.8	1	7/10/2006	
o-Xylene	< 0.50	0.50	< 2.2	2.2	1	7/10/2006	
Propene (Propylene)	< 0.50	0.50	< 0.88	0.88	1	7/10/2006	
Styrene	< 0.50	0.50	< 2.2	2.2	1	7/10/2006	

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	* - Value exceeds Maximum Contaminant Level	

Page 11 of 12



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 13-Jul-06

CLIENT: Mactec
Lab Order: 06070176
Project: South Mesa WQARF ERA/4972-04-2034.4.6
Lab ID: 06070176-04A

Client Sample ID: VW-7B
Tag Number: 01332
Collection Date: 7/7/2006 10:25:00 AM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15		Analyst: KPD			
Tetrachloroethene	250	5.0	1700	34	D2	10	7/10/2006
Tetrahydrofuran	< 2.0	2.0	< 6.0	6.0		1	7/10/2006
Toluene	< 0.50	0.50	< 1.9	1.9		1	7/10/2006
trans-1,2-Dichloroethene	< 0.50	0.50	< 2.0	2.0		1	7/10/2006
trans-1,3-Dichloropropene	< 0.50	0.50	< 2.3	2.3		1	7/10/2006
Trichloroethene	1.7	0.50	9.4	2.8		1	7/10/2006
Trichlorofluoromethane(F-11)	4.8	0.50	27	2.8		1	7/10/2006
Trichlorotrifluoroethane(F-113)	< 0.50	0.50	< 3.9	3.9		1	7/10/2006
Vinyl acetate	< 0.50	0.50	< 1.8	1.8		1	7/10/2006
Vinyl chloride	< 0.50	0.50	< 1.3	1.3		1	7/10/2006

Analyst: KPD

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Page 12 of 12

Aerotech Environmental, Inc.

Date: 12-Jul-06

CLIENT: Mactec

Work Order: 06070176

Project: South Mesa WQARF ERA/4972-04-2034.4.6

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R76108	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 76108						
Client ID:	Batch ID: R76108	TestNo: TO15		Analysis Date: 7/10/2006	SeqNo: 904006						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	<0.50	0.50									
1,1,2,2-Tetrachloroethane	<0.50	0.50									
1,1,2-Trichloroethane	<0.50	0.50									
1,1-Dichloroethane	<0.50	0.50									
1,1-Dichloroethene	<0.50	0.50									
1,2,4-Trichlorobenzene	<2.0	2.0									
1,2,4-Trimethylbenzene	<0.50	0.50									
1,2-Dibromoethane	<0.50	0.50									
1,2-Dichlorobenzene	<0.50	0.50									
1,2-Dichloroethane	<0.50	0.50									
1,2-Dichloropropane	<0.50	0.50									
1,3,5-Trimethylbenzene	<0.50	0.50									
1,3-Butadiene	<0.50	0.50									
1,3-Dichlorobenzene	<0.50	0.50									
1,4-Dichlorobenzene	<0.50	0.50									
2,2,4-Trimethylpentane	<0.50	0.50									
2-Butanone (MEK)	<1.0	1.0									
2-Hexanone	<1.0	1.0									
2-Propanol	<2.0	2.0									
4-Ethyltoluene	<0.50	0.50									
4-Methyl-2-pentanone	<1.0	1.0									
Acetone	<5.0	5.0									
Allyl chloride	<0.50	0.50									
Benzene	<0.50	0.50									
Benzyl chloride	<2.0	2.0									
Bromodichloromethane	<0.50	0.50									
Bromoethene(Vinyl Bromide)	<0.50	0.50									
Bromoform	<0.50	0.50									

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT:

Mactec

Work Order:

06070176

Project:

South Mesa WQARF ERA/4972-04-2034.4.6

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R76108	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 76108						
Client ID:	Batch ID: R76108	TestNo: TO15		Analysis Date: 7/10/2006	SeqNo: 904006						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	<0.50	0.50									
Carbon disulfide	<0.50	0.50									
Carbon tetrachloride	<0.50	0.50									
Chlorobenzene	<0.50	0.50									
Chloroethane	<0.50	0.50									
Chloroform	<0.50	0.50									
Chloromethane	<0.50	0.50									
cis-1,2-Dichloroethene	<0.50	0.50									
cis-1,3-Dichloropropene	<0.50	0.50									
Cyclohexane	<0.50	0.50									
Dibromochloromethane	<0.50	0.50									
Dichlorodifluoromethane(F-12)	<0.50	0.50									
Dichlorotetrafluoroethane(F-114)	<0.50	0.50									
Ethyl Acetate	<0.50	0.50									
Ethylbenzene	<0.50	0.50									
Heptane	<0.50	0.50									
Hexachlorobutadiene	<1.0	1.0									
Hexane	<0.50	0.50									
m&p-Xylene	<1.0	1.0									
Methyl tert-butyl ether	<1.0	1.0									
Methylene chloride	<0.50	0.50									
o-Xylene	<0.50	0.50									
Propene (Propylene)	<0.50	0.50									
Styrene	<0.50	0.50									
Tetrachloroethene	<0.50	0.50									
Tetrahydrofuran	<2.0	2.0									
Toluene	<0.50	0.50									
trans-1,2-Dichloroethene	<0.50	0.50									
trans-1,3-Dichloropropene	<0.50	0.50									

Qualifiers: E Value above quantitation range

ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits

J Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

CLIENT: Mactec
Work Order: 06070176
Project: South Mesa WQARF ERA/4972-04-2034.4.6

Sample ID: MB-R76108	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 76108						
Client ID:	Batch ID: R76108	TestNo: TO15		Analysis Date: 7/10/2006	SeqNo: 904006						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichloroethene	<0.50	0.50									
Trichlorofluoromethane(F-11)	<0.50	0.50									
Trichlorotrifluoroethane(F-113)	<0.50	0.50									
Vinyl acetate	<0.50	0.50									
Vinyl chloride	<0.50	0.50									

Sample ID: LCS-R76108	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 76108						
Client ID:	Batch ID: R76108	TestNo: TO15		Analysis Date: 7/10/2006	SeqNo: 904007						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane	8.280	0.50	10	0	82.8	65	135				
1,1,2,2-Tetrachloroethane	8.250	0.50	10	0	82.5	65	135				
1,1,2-Trichloroethane	8.060	0.50	10	0	80.6	65	135				
1,1-Dichloroethane	7.950	0.50	10	0	79.5	65	135				
1,1-Dichloroethene	7.990	0.50	10	0	79.9	65	135				
1,2,4-Trichlorobenzene	8.520	2.0	10	0	85.2	65	135				
1,2,4-Trimethylbenzene	8.680	0.50	10	0	86.8	65	135				
1,2-Dibromoethane	8.250	0.50	10	0	82.5	65	135				
1,2-Dichlorobenzene	8.550	0.50	10	0	85.5	65	135				
1,2-Dichloroethane	8.180	0.50	10	0	81.8	65	135				
1,2-Dichloropropane	8.020	0.50	10	0	80.2	65	135				
1,3,5-Trimethylbenzene	8.590	0.50	10	0	85.9	65	135				
1,3-Butadiene	7.830	0.50	10	0	78.3	65	135				
1,3-Dichlorobenzene	8.520	0.50	10	0	85.2	65	135				
1,4-Dichlorobenzene	8.480	0.50	10	0	84.8	65	135				
2,2,4-Trimethylpentane	8.020	0.50	10	0	80.2	65	135				
2-Butanone (MEK)	8.280	1.0	10	0	82.8	65	135				
2-Hexanone	8.320	1.0	10	0	83.2	65	135				
2-Propanol	7.560	2.0	10	0	75.6	65	135				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits <td>S</td> <th>Spike Recovery outside accepted recovery limits</th>	S	Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

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CLIENT: Mactec

Work Order: 06070176

Project: South Mesa WQARF ERA/4972-04-2034.4.6

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R76108	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 76108						
Client ID:	Batch ID: R76108	TestNo: TO15		Analysis Date: 7/10/2006	SeqNo: 904007						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Ethyltoluene	8.650	0.50	10	0	86.5	65	135				
4-Methyl-2-pentanone	8.500	1.0	10	0	85.0	65	135				
Acetone	8.140	5.0	10	0	81.4	65	135				
Allyl chloride	7.940	0.50	10	0	79.4	65	135				
Benzene	7.860	0.50	10	0	78.6	65	135				
Benzyl chloride	9.000	2.0	10	0	90.0	65	135				
Bromodichloromethane	8.410	0.50	10	0	84.1	65	135				
Bromoethene(Vinyl Bromide)	8.240	0.50	10	0	82.4	65	135				
Bromoform	8.510	0.50	10	0	85.1	65	135				
Bromomethane	8.200	0.50	10	0	82.0	65	135				
Carbon disulfide	7.710	0.50	10	0	77.1	65	135				
Carbon tetrachloride	8.280	0.50	10	0	82.8	65	135				
Chlorobenzene	8.060	0.50	10	0	80.6	65	135				
Chloroethane	8.030	0.50	10	0	80.3	65	135				
Chloroform	7.940	0.50	10	0	79.4	65	135				
Chloromethane	7.920	0.50	10	0	79.2	65	135				
cis-1,2-Dichloroethene	7.760	0.50	10	0	77.6	65	135				
cis-1,3-Dichloropropene	8.830	0.50	10	0	88.3	65	135				
Cyclohexane	8.240	0.50	10	0	82.4	65	135				
Dibromochloromethane	8.280	0.50	10	0	82.8	65	135				
Dichlorodifluoromethane(F-12)	7.290	0.50	10	0	72.9	65	135				
Dichlorotetrafluoroethane(F-114)	7.940	0.50	10	0	79.4	65	135				
Ethyl Acetate	8.210	0.50	10	0	82.1	65	135				
Ethylbenzene	8.450	0.50	10	0	84.5	65	135				
Heptane	8.220	0.50	10	0	82.2	65	135				
Hexachlorobutadiene	8.470	1.0	10	0	84.7	65	135				
Hexane	8.430	0.50	10	0	84.3	65	135				
m&p-Xylene	16.89	1.0	20	0	84.4	65	135				
Methyl tert-butyl ether	8.560	1.0	10	0	85.6	65	135				

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Mactec
Work Order: 06070176
Project: South Mesa WQARF ERA/4972-04-2034.4.6
TestCode: TO15

ANALYTICAL QC SUMMARY REPORT

Sample ID: LCS-R76108	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 76108						
Client ID:	Batch ID: R76108	TestNo: TO15		Analysis Date: 7/10/2006	SeqNo: 904007						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methylene chloride	7.500	0.50	10	0	75.0	65	135				
o-Xylene	8.530	0.50	10	0	85.3	65	135				
Propene (Propylene)	7.460	0.50	10	0	74.6	65	135				
Styrene	8.710	0.50	10	0	87.1	65	135				
Tetrachloroethene	7.980	0.50	10	0	79.8	65	135				
Tetrahydrofuran	8.470	2.0	10	0	84.7	65	135				
Toluene	8.440	0.50	10	0	84.4	65	135				
trans-1,2-Dichloroethene	7.810	0.50	10	0	78.1	65	135				
trans-1,3-Dichloropropene	8.890	0.50	10	0	88.9	65	135				
Trichloroethene	7.640	0.50	10	0	76.4	65	135				
Trichlorofluoromethane(F-11)	8.390	0.50	10	0	83.9	65	135				
Trichlorotrifluoroethane(F-113)	7.910	0.50	10	0	79.1	65	135				
Vinyl acetate	8.290	0.50	10	0	82.9	65	135				
Vinyl chloride	7.920	0.50	10	0	79.2	65	135				

Sample ID: LCSD-R76108		SampType: LCSD		TestCode: TO15		Units: ppbv		Prep Date:		RunNo: 76108	
Client ID:		Batch ID: R76108		TestNo: TO15				Analysis Date: 7/10/2006		SeqNo: 904008	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	8.240	0.50	10	0	82.4	65	135	8.280	0.484	25	
1,1,2,2-Tetrachloroethane	8.210	0.50	10	0	82.1	65	135	8.250	0.486	25	
1,1,2-Trichloroethane	8.000	0.50	10	0	80.0	65	135	8.060	0.747	25	
1,1-Dichloroethane	7.900	0.50	10	0	79.0	65	135	7.950	0.631	25	
1,1-Dichloroethene	8.080	0.50	10	0	80.8	65	135	7.990	1.12	25	
1,2,4-Trichlorobenzene	8.460	2.0	10	0	84.6	65	135	8.520	0.707	25	
1,2,4-Trimethylbenzene	8.640	0.50	10	0	86.4	65	135	8.680	0.462	25	
1,2-Dibromoethane	8.250	0.50	10	0	82.5	65	135	8.250	0	25	
1,2-Dichlorobenzene	8.530	0.50	10	0	85.3	65	135	8.550	0.234	25	
1,2-Dichloroethane	8.130	0.50	10	0	81.3	65	135	8.180	0.613	25	

Qualifiers: E Value above quantitation range
 ND Not Detected at the Reporting Limit
 H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT: Mactec

Work Order: 06070176

Project: South Mesa WQARF ERA/4972-04-2034.4.6

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCSD-R76108	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 76108						
Client ID:	Batch ID: R76108	TestNo: TO15		Analysis Date: 7/10/2006	SeqNo: 904008						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloropropane	8.080	0.50	10	0	80.8	65	135	8.020	0.745	25	
1,3,5-Trimethylbenzene	8.520	0.50	10	0	85.2	65	135	8.590	0.818	25	
1,3-Butadiene	8.010	0.50	10	0	80.1	65	135	7.830	2.27	25	
1,3-Dichlorobenzene	8.480	0.50	10	0	84.8	65	135	8.520	0.471	25	
1,4-Dichlorobenzene	8.470	0.50	10	0	84.7	65	135	8.480	0.118	25	
2,2,4-Trimethylpentane	8.070	0.50	10	0	80.7	65	135	8.020	0.622	25	
2-Butanone (MEK)	8.150	1.0	10	0	81.5	65	135	8.280	1.58	25	
2-Hexanone	8.790	1.0	10	0	87.9	65	135	8.320	5.49	25	
2-Propanol	7.640	2.0	10	0	76.4	65	135	7.560	1.05	25	
4-Ethyltoluene	8.620	0.50	10	0	86.2	65	135	8.650	0.347	25	
4-Methyl-2-pentanone	8.700	1.0	10	0	87.0	65	135	8.500	2.33	25	
Acetone	8.230	5.0	10	0	82.3	65	135	8.140	1.10	25	
Allyl chloride	8.040	0.50	10	0	80.4	65	135	7.940	1.25	25	
Benzene	7.930	0.50	10	0	79.3	65	135	7.860	0.887	25	
Benzyl chloride	9.010	2.0	10	0	90.1	65	135	9.000	0.111	25	
Bromodichloromethane	8.350	0.50	10	0	83.5	65	135	8.410	0.716	25	
Bromoethene(Vinyl Bromide)	8.320	0.50	10	0	83.2	65	135	8.240	0.966	25	
Bromoform	8.390	0.50	10	0	83.9	65	135	8.510	1.42	25	
Bromomethane	8.270	0.50	10	0	82.7	65	135	8.200	0.850	25	
Carbon disulfide	7.720	0.50	10	0	77.2	65	135	7.710	0.130	25	
Carbon tetrachloride	8.180	0.50	10	0	81.8	65	135	8.280	1.22	25	
Chlorobenzene	8.070	0.50	10	0	80.7	65	135	8.060	0.124	25	
Chloroethane	8.140	0.50	10	0	81.4	65	135	8.030	1.36	25	
Chloroform	7.910	0.50	10	0	79.1	65	135	7.940	0.379	25	
Chloromethane	8.020	0.50	10	0	80.2	65	135	7.920	1.25	25	
cis-1,2-Dichloroethene	7.840	0.50	10	0	78.4	65	135	7.760	1.03	25	
cis-1,3-Dichloropropene	8.830	0.50	10	0	88.3	65	135	8.830	0	25	
Cyclohexane	8.210	0.50	10	0	82.1	65	135	8.240	0.365	25	
Dibromochloromethane	8.260	0.50	10	0	82.6	65	135	8.280	0.242	25	

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Mactec
Work Order: 06070176

Project: South Mesa WQARF ERA/4972-04-2034.4.6

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCSD-R76108	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 76108						
Client ID:	Batch ID: R76108	TestNo: TO15		Analysis Date: 7/10/2006	SeqNo: 904008						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane(F-12)	7.370	0.50	10	0	73.7	65	135	7.290	1.09	25	
Dichlorotetrafluoroethane(F-114)	8.030	0.50	10	0	80.3	65	135	7.940	1.13	25	
Ethyl Acetate	8.180	0.50	10	0	81.8	65	135	8.210	0.366	25	
Ethylbenzene	8.400	0.50	10	0	84.0	65	135	8.450	0.593	25	
Heptane	8.170	0.50	10	0	81.7	65	135	8.220	0.610	25	
Hexachlorobutadiene	8.500	1.0	10	0	85.0	65	135	8.470	0.354	25	
Hexane	8.420	0.50	10	0	84.2	65	135	8.430	0.119	25	
m&p-Xylene	16.90	1.0	20	0	84.5	65	135	16.89	0.0592	25	
Methyl tert-butyl ether	8.630	1.0	10	0	86.3	65	135	8.560	0.814	25	
Methylene chloride	7.610	0.50	10	0	76.1	65	135	7.500	1.46	25	
o-Xylene	8.420	0.50	10	0	84.2	65	135	8.530	1.30	25	
Propene (Propylene)	7.900	0.50	10	0	79.0	65	135	7.460	5.73	25	
Styrene	8.720	0.50	10	0	87.2	65	135	8.710	0.115	25	
Tetrachloroethene	8.010	0.50	10	0	80.1	65	135	7.980	0.375	25	
Tetrahydrofuran	8.370	2.0	10	0	83.7	65	135	8.470	1.19	25	
Toluene	8.450	0.50	10	0	84.5	65	135	8.440	0.118	25	
trans-1,2-Dichloroethene	7.920	0.50	10	0	79.2	65	135	7.810	1.40	25	
trans-1,3-Dichloropropene	8.870	0.50	10	0	88.7	65	135	8.890	0.225	25	
Trichloroethene	7.620	0.50	10	0	76.2	65	135	7.640	0.262	25	
Trichlorofluoromethane(F-11)	8.330	0.50	10	0	83.3	65	135	8.390	0.718	25	
Trichlorotrifluoroethane(F-113)	7.920	0.50	10	0	79.2	65	135	7.910	0.126	25	
Vinyl acetate	8.330	0.50	10	0	83.3	65	135	8.290	0.481	25	
Vinyl chloride	8.040	0.50	10	0	80.4	65	135	7.920	1.50	25	

Qualifiers: E Value above quantitation range
 ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits

Laboratory Number: <u>06-07-0176</u>	Checklist completed by: <u>RT 7/2/06</u>
Client Name: <u>mafec</u>	Signature/Date
Matrix: <u>Air</u>	Carrier Name: <u>M. Hammer</u> Date/Time Rec'd: <u>7/7/06 1042</u> By: <u>RF</u>

Temperature of Samples? Amb °C Circle one: Blue Ice Wet Ice Not Present

	Yes	No*	Not Present	Soil Containers:
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/>			Brass Sleeve _____
Custody seals intact on shipping container/cooler?			<input checked="" type="checkbox"/>	Glass Jar _____
Custody seals intact on sample containers?			<input checked="" type="checkbox"/>	Methanol _____
Chain of Custody present and relinquished/received properly?	<input checked="" type="checkbox"/>			Plastic Bag _____
Chain of Custody agrees with sample labels?	<input checked="" type="checkbox"/>			Encore Samplers _____
Samples in proper containers/bottles?	<input checked="" type="checkbox"/>			
Sample containers intact?	<input checked="" type="checkbox"/>			
All samples received within holding time?	<input checked="" type="checkbox"/>			
Is there sufficient sample volume to perform the tests?	<input checked="" type="checkbox"/>			**See Comment about Chlorine and pH
40mL vials for volatiles & SOC's received with zero headspace?			<input checked="" type="checkbox"/>	

Total number of bottles received: <u>4</u>	IH sample media: <u>Canister</u>
If applicable, how many sample bottles were shipped from AEL-Tucson?	N/A <input checked="" type="checkbox"/>

Number of containers received by preservative and by sample number: (If more than 15 samples are rec'd, please continue on separate sheet(s))

Preservative	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A-General	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>											
B-HNO3															
C-H2SO4															
D-HCl															
E-Na2S2O3															
F-NaOH															
G-Sulfide															
H-Na Sulfite															
I-MCAA															
J-Methanol															
K-HAA															
L-Other															

Water-pH acceptable upon receipt? Yes No N/A ☒

Preservative & pH	pH of samples upon receipt	If pH requires adjustment, list sample number, and reagent ID. number
Metals <2		
Nutrients <2		
Total Phenols <2		
413 (O&G) <2		
418 (TPH) <2		
Cyanide >12		
Sulfide >9		

*Any No response must be detailed in the comments section below. Contact the PM immediately to determine how to proceed. Refer to SOP 11-001.04, Section 1.8.6. Continue on back if additional space is needed.

**The holding time for pH and Total Residual Chlorine analysis is immediate. For the most accurate result, the pH and Total Residual Chlorine should be taken in the field within 15 minutes of sampling.

Comments:

Corrective Action:



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www.aeroenvirolabs.com or call toll-free 866.772.5227

Sample Information

Instructions / Special Requirements:

Samples Relinquished By:

Received P.v.

Analysis performed in addition to the Town of Conditions will be of various countries of the world.

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[] Main Lab - 4645 E. Colton Center Blvd., Building 3, Suite 189, Phoenix, AZ 85040 602.437.3340 - FAX 623.445.6192
[] North Phoenix - 1501 W. Knudsen, Phoenix, AZ 85027 623.780.4800 - FAX 623.445.6216
[] Tucson - 4455 S. Park Ave, Suite 110, Tucson, AZ 85714 520.807.3801 - FAX 520.807.3803
www.aerocenviroblabs.com or call toll-free 866.772.5227

Lab Number:

EE 1507

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Customer Number:

Customer:	MACTEC, INC.	Sampler:	MARK HAMMER
-----------	--------------	----------	-------------

Address: 3630 E WILF AVE

City, State, Zip: PA/PA 19228

Contact: Jim Clark

Phone: 103 437-0350 Fax: 603 437-3476

E-Mail Address: JMCCLARKE@MARTIN.COM

Sample Receipt Turn Around

Temperature $^{\circ}\text{C}$

Custody Seals: Yes

Custody Seals Intact:	Yes	No
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Total # of Containers: 4

<p> Standard 10 Working Days Subject to scheduling and availability (surcharge) </p>	<p> Standard 10 Working Days Subject to scheduling and availability (surcharge) </p>
---	---

Sample Information

[illegible]

Instructions / Special Requirements:

Date: _____ Time: _____

Samples Relinquished By:

Received By:



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Wednesday, August 23, 2006

Jim Clarke
Mactec
3630 East Wier Avenue
Phoenix, AZ 85040

TEL: (602) 437-0250

FAX (602) 437-3675

RE: South Mesa WQARF/4972-06-2050.4.5

Order No.: 06080522

Dear Jim Clarke:

Aerotech Environmental, Inc. received 3 sample(s) on 8/14/2006 for the analyses presented in the following report.

This report includes the following information:

- Case Narrative.
- Analytical Report: includes test results, report limit (Limit), any applicable data qualifier (Qual), units, dilution factor (DF), and date analyzed.
- QC Summary Report.

This communication is intended only for the individual or entity to whom it is directed. It may contain information that is privileged, confidential, or otherwise exempt from disclosure under applicable law. Dissemination, distribution, or copying of this communication by anyone other than the intended recipient, or a duly designated employee or agent of such recipient, is prohibited. If you have received this communication in error, please notify us immediately and destroy this message and all attachments thereto. If you have any questions regarding these test results, please do not hesitate to call.

Sincerely,

Tim Trestrail

Project Manager

Jmb 8/23/06



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental, Inc.

Date: 21-Aug-06

CLIENT: Mactec
Project: South Mesa WQARF/4972-06-2050.4.5
Lab Order: 06080522

CASE NARRATIVE

Samples were analyzed using methods outlined in references such as:

- Standard Methods for the Examination of Water and Wastewater, 19th Edition, 1995.
- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.
- Methods for the Determination of Organic Compounds in Drinking Water: Supplement III, EPA/600/R-95/131, August 1995.
- Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.
- 40 CFR, Part 136, Revised 1998. Appendix A to Part 136 - Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater.
- NIOSH Manual of Analytical Methods, Fourth Edition, 1994.
- Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.

Aerotech Environmental Laboratories (AEL) holds Arizona certification no. AZ0610.

Aerotech Environmental Laboratories (Laboratory 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.

Analytical Comments:

All method blanks and laboratory control spikes met EPA method and/or laboratory quality control objectives for the analyses included in this report.

Data Qualifiers:

Listed below are the data qualifiers used in your analytical report to explain any analytical or quality control issues. You will find them noted in your report under the column header "QUAL". Any quality control deficiencies that cannot be adequately described by these qualifiers will be addressed in the analytical comments section of this case narrative.

D2 Sample required dilution due to high concentration of target analyte.



Aerotech Environmental Laboratories

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Aerotech Environmental, I

Analytical Report

Date: 21-Aug-06

CLIENT: Mactec

Client Sample ID: EFF

Lab Order: 06080522

Tag Number: 00552

Project: South Mesa WQARF/4972-06-2050.4.5

Collection Date: 8/14/2006 12:40:00 PM

Lab ID: 06080522-01A

Matrix: AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS IN AIR		TO15		Analyst: KPD		
1,1,1-Trichloroethane	< 0.50	0.50		ppbv	1	8/14/2006
1,1,2,2-Tetrachloroethane	< 0.50	0.50		ppbv	1	8/14/2006
1,1,2-Trichloroethane	< 0.50	0.50		ppbv	1	8/14/2006
1,1-Dichloroethane	< 0.50	0.50		ppbv	1	8/14/2006
1,1-Dichloroethene	< 0.50	0.50		ppbv	1	8/14/2006
1,2,4-Trichlorobenzene	< 2.0	2.0		ppbv	1	8/14/2006
1,2,4-Trimethylbenzene	5.7	0.50		ppbv	1	8/14/2006
1,2-Dibromoethane	< 0.50	0.50		ppbv	1	8/14/2006
1,2-Dichlorobenzene	< 0.50	0.50		ppbv	1	8/14/2006
1,2-Dichloroethane	< 0.50	0.50		ppbv	1	8/14/2006
1,2-Dichloropropane	< 0.50	0.50		ppbv	1	8/14/2006
1,3,5-Trimethylbenzene	1.3	0.50		ppbv	1	8/14/2006
1,3-Butadiene	< 0.50	0.50		ppbv	1	8/14/2006
1,3-Dichlorobenzene	< 0.50	0.50		ppbv	1	8/14/2006
1,4-Dichlorobenzene	< 0.50	0.50		ppbv	1	8/14/2006
2,2,4-Trimethylpentane	0.83	0.50		ppbv	1	8/14/2006
2-Butanone (MEK)	1.0	1.0		ppbv	1	8/14/2006
2-Hexanone	< 1.0	1.0		ppbv	1	8/14/2006
2-Propanol	< 2.0	2.0		ppbv	1	8/14/2006
4-Ethyltoluene	2.3	0.50		ppbv	1	8/14/2006
4-Methyl-2-pentanone	< 1.0	1.0		ppbv	1	8/14/2006
Acetone	14	5.0		ppbv	1	8/14/2006
Allyl chloride	< 0.50	0.50		ppbv	1	8/14/2006
Benzene	3.4	0.50		ppbv	1	8/14/2006
Benzyl chloride	< 2.0	2.0		ppbv	1	8/14/2006
Bromodichloromethane	< 0.50	0.50		ppbv	1	8/14/2006
Bromoethene (Vinyl Bromide)	< 0.50	0.50		ppbv	1	8/14/2006
Bromoform	< 0.50	0.50		ppbv	1	8/14/2006
Bromomethane	< 0.50	0.50		ppbv	1	8/14/2006
Carbon disulfide	< 0.50	0.50		ppbv	1	8/14/2006
Carbon tetrachloride	< 0.50	0.50		ppbv	1	8/14/2006
Chlorobenzene	< 0.50	0.50		ppbv	1	8/14/2006
Chloroethane	< 0.50	0.50		ppbv	1	8/14/2006
Chloroform	< 0.50	0.50		ppbv	1	8/14/2006
Chloromethane	0.68	0.50		ppbv	1	8/14/2006
cis-1,2-Dichloroethene	< 0.50	0.50		ppbv	1	8/14/2006
cis-1,3-Dichloropropene	< 0.50	0.50		ppbv	1	8/14/2006
Cyclohexane	0.79	0.50		ppbv	1	8/14/2006
Dibromochloromethane	< 0.50	0.50		ppbv	1	8/14/2006

Footnotes: All analysis performed at AEL Phoenix laboratory unless indicated by footnotes.

(1) AEL - Tucson Laboratory

(2) AEL - Knudsen Laboratory

(3) The holding time for pH analysis is immediate. For the most accurate result, the pH should be taken in the field within 15 minutes of sampling.

Page 1 of 6



Aerotech Environmental Laboratories

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Aerotech Environmental, I

Analytical Report

Date: 21-Aug-06

CLIENT: Mactec

Client Sample ID: EFF

Lab Order: 06080522

Tag Number: 00552

Project: South Mesa WQARF/4972-06-2050.4.5

Collection Date: 8/14/2006 12:40:00 PM

Lab ID: 06080522-01A

Matrix: AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS IN AIR		TO15				Analyst: KPD
Dichlorodifluoromethane(F-12)	0.79	0.50		ppbv	1	8/14/2006
Dichlorotetrafluoroethane(F-114)	< 0.50	0.50		ppbv	1	8/14/2006
Ethyl Acetate	< 0.50	0.50		ppbv	1	8/14/2006
Ethylbenzene	0.85	0.50		ppbv	1	8/14/2006
Heptane	0.73	0.50		ppbv	1	8/14/2006
Hexachlorobutadiene	< 1.0	1.0		ppbv	1	8/14/2006
Hexane	0.85	0.50		ppbv	1	8/14/2006
m&p-Xylene	3.8	1.0		ppbv	1	8/14/2006
Methyl tert-butyl ether	< 1.0	1.0		ppbv	1	8/14/2006
Methylene chloride	< 0.50	0.50		ppbv	1	8/14/2006
o-Xylene	1.7	0.50		ppbv	1	8/14/2006
Propene (Propylene)	1.7	0.50		ppbv	1	8/14/2006
Styrene	< 0.50	0.50		ppbv	1	8/14/2006
Tetrachloroethene	< 0.50	0.50		ppbv	1	8/14/2006
Tetrahydrofuran	< 2.0	2.0		ppbv	1	8/14/2006
Toluene	4.0	0.50		ppbv	1	8/14/2006
trans-1,2-Dichloroethene	< 0.50	0.50		ppbv	1	8/14/2006
trans-1,3-Dichloropropene	< 0.50	0.50		ppbv	1	8/14/2006
Trichloroethene	1.8	0.50		ppbv	1	8/14/2006
Trichlorofluoromethane(F-11)	< 0.50	0.50		ppbv	1	8/14/2006
Trichlorotrifluoroethane(F-113)	< 0.50	0.50		ppbv	1	8/14/2006
Vinyl acetate	< 0.50	0.50		ppbv	1	8/14/2006
Vinyl chloride	< 0.50	0.50		ppbv	1	8/14/2006
Surr: 4-Bromofluorobenzene	99.6	70-130		%REC	1	8/14/2006

Footnotes: All analysis performed at AEL Phoenix laboratory unless indicated by footnotes.

(1) AEL - Tucson Laboratory

(2) AEL - Knudsen Laboratory

Page 2 of 6

(3) The holding time for pH analysis is immediate. For the most accurate result, the pH should be taken in the field within 15 minutes of sampling.



Aerotech Environmental Laboratories

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Aerotech Environmental, I

Analytical Report

Date: 21-Aug-06

CLIENT: Mactec

Client Sample ID: INT

Lab Order: 06080522

Tag Number: 01442

Project: South Mesa WQARF/4972-06-2050.4.5

Collection Date: 8/14/2006 12:50:00 PM

Lab ID: 06080522-02A

Matrix: AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS IN AIR		TO15		Analyst: KPD		
1,1,1-Trichloroethane	< 1.0	1.0		ppbv	2	8/14/2006
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ppbv	2	8/14/2006
1,1,2-Trichloroethane	< 1.0	1.0		ppbv	2	8/14/2006
1,1-Dichloroethane	15	1.0		ppbv	2	8/14/2006
1,1-Dichloroethene	9.7	1.0		ppbv	2	8/14/2006
1,2,4-Trichlorobenzene	< 4.0	4.0		ppbv	2	8/14/2006
1,2,4-Trimethylbenzene	4.0	1.0		ppbv	2	8/14/2006
1,2-Dibromoethane	< 1.0	1.0		ppbv	2	8/14/2006
1,2-Dichlorobenzene	< 1.0	1.0		ppbv	2	8/14/2006
1,2-Dichloroethane	< 1.0	1.0		ppbv	2	8/14/2006
1,2-Dichloropropane	1.1	1.0		ppbv	2	8/14/2006
1,3,5-Trimethylbenzene	< 1.0	1.0		ppbv	2	8/14/2006
1,3-Butadiene	< 1.0	1.0		ppbv	2	8/14/2006
1,3-Dichlorobenzene	< 1.0	1.0		ppbv	2	8/14/2006
1,4-Dichlorobenzene	< 1.0	1.0		ppbv	2	8/14/2006
2,2,4-Trimethylpentane	3.5	1.0		ppbv	2	8/14/2006
2-Butanone (MEK)	< 2.0	2.0		ppbv	2	8/14/2006
2-Hexanone	< 2.0	2.0		ppbv	2	8/14/2006
2-Propanol	< 4.0	4.0		ppbv	2	8/14/2006
4-Ethyltoluene	1.1	1.0		ppbv	2	8/14/2006
4-Methyl-2-pentanone	< 2.0	2.0		ppbv	2	8/14/2006
Acetone	10	10		ppbv	2	8/14/2006
Allyl chloride	< 1.0	1.0		ppbv	2	8/14/2006
Benzene	2.3	1.0		ppbv	2	8/14/2006
Benzyl chloride	< 4.0	4.0		ppbv	2	8/14/2006
Bromodichloromethane	< 1.0	1.0		ppbv	2	8/14/2006
Bromoethene(Vinyl Bromide)	< 1.0	1.0		ppbv	2	8/14/2006
Bromoform	< 1.0	1.0		ppbv	2	8/14/2006
Bromomethane	< 1.0	1.0		ppbv	2	8/14/2006
Carbon disulfide	< 1.0	1.0		ppbv	2	8/14/2006
Carbon tetrachloride	< 1.0	1.0		ppbv	2	8/14/2006
Chlorobenzene	< 1.0	1.0		ppbv	2	8/14/2006
Chloroethane	< 1.0	1.0		ppbv	2	8/14/2006
Chloroform	9.2	1.0		ppbv	2	8/14/2006
Chloromethane	< 1.0	1.0		ppbv	2	8/14/2006
cis-1,2-Dichloroethene	4.9	1.0		ppbv	2	8/14/2006
cis-1,3-Dichloropropene	< 1.0	1.0		ppbv	2	8/14/2006
Cyclohexane	< 1.0	1.0		ppbv	2	8/14/2006
Dibromochloromethane	< 1.0	1.0		ppbv	2	8/14/2006

Footnotes: All analysis performed at AEL Phoenix laboratory unless indicated by footnotes.

(1) AEL - Tucson Laboratory

(2) AEL - Knudsen Laboratory

(3) The holding time for pH analysis is immediate. For the most accurate result, the pH should be taken in the field within 15 minutes of sampling.

Page 3 of 6



Aerotech Environmental Laboratories

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Aerotech Environmental, I

Analytical Report

Date: 21-Aug-06

CLIENT: Mactec
Lab Order: 06080522
Project: South Mesa WQARF/4972-06-2050.4.5
Lab ID: 06080522-02A

Client Sample ID: INT
Tag Number: 01442
Collection Date: 8/14/2006 12:50:00 PM
Matrix: AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS IN AIR		TO15		Analyst: KPD		
Dichlorodifluoromethane(F-12)	2.3	1.0		ppbv	2	8/14/2006
Dichlorotetrafluoroethane(F-114)	< 1.0	1.0		ppbv	2	8/14/2006
Ethyl Acetate	< 1.0	1.0		ppbv	2	8/14/2006
Ethylbenzene	< 1.0	1.0		ppbv	2	8/14/2006
Heptane	< 1.0	1.0		ppbv	2	8/14/2006
Hexachlorobutadiene	< 2.0	2.0		ppbv	2	8/14/2006
Hexane	< 1.0	1.0		ppbv	2	8/14/2006
m&p-Xylene	3.3	2.0		ppbv	2	8/14/2006
Methyl tert-butyl ether	< 2.0	2.0		ppbv	2	8/14/2006
Methylene chloride	< 1.0	1.0		ppbv	2	8/14/2006
o-Xylene	1.4	1.0		ppbv	2	8/14/2006
Propene (Propylene)	< 1.0	1.0		ppbv	2	8/14/2006
Styrene	< 1.0	1.0		ppbv	2	8/14/2006
Tetrachloroethene	97	1.0	D2	ppbv	2	8/14/2006
Tetrahydrofuran	< 4.0	4.0		ppbv	2	8/14/2006
Toluene	2.3	1.0		ppbv	2	8/14/2006
trans-1,2-Dichloroethene	< 1.0	1.0		ppbv	2	8/14/2006
trans-1,3-Dichloropropene	< 1.0	1.0		ppbv	2	8/14/2006
Trichloroethene	1.4	1.0		ppbv	2	8/14/2006
Trichlorofluoromethane(F-11)	5.5	1.0		ppbv	2	8/14/2006
Trichlorotrifluoroethane(F-113)	< 1.0	1.0		ppbv	2	8/14/2006
Vinyl acetate	< 1.0	1.0		ppbv	2	8/14/2006
Vinyl chloride	< 1.0	1.0		ppbv	2	8/14/2006
Surr: 4-Bromofluorobenzene	101	70-130		%REC	2	8/14/2006

Footnotes: All analysis performed at AEL Phoenix laboratory unless indicated by footnotes.

(1) AEL - Tucson Laboratory

(2) AEL - Knudsen Laboratory

(3) The holding time for pH analysis is immediate. For the most accurate result, the pH should be taken in the field within 15 minutes of sampling.

Page 4 of 6



Aerotech Environmental Laboratories

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Aerotech Environmental, I

Analytical Report

Date: 21-Aug-06

CLIENT: Mactec

Client Sample ID: VW-7B

Lab Order: 06080522

Tag Number: 00241

Project: South Mesa WQARF/4972-06-2050.4.5

Collection Date: 8/14/2006 1:00:00 PM

Lab ID: 06080522-03A

Matrix: AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS IN AIR		TO15		Analyst: KPD		
1,1,1-Trichloroethane	< 0.50	0.50		ppbv	1	8/14/2006
1,1,2,2-Tetrachloroethane	< 0.50	0.50		ppbv	1	8/14/2006
1,1,2-Trichloroethane	< 0.50	0.50		ppbv	1	8/14/2006
1,1-Dichloroethane	13	0.50		ppbv	1	8/14/2006
1,1-Dichloroethene	10	0.50		ppbv	1	8/14/2006
1,2,4-Trichlorobenzene	< 2.0	2.0		ppbv	1	8/14/2006
1,2,4-Trimethylbenzene	3.9	0.50		ppbv	1	8/14/2006
1,2-Dibromoethane	< 0.50	0.50		ppbv	1	8/14/2006
1,2-Dichlorobenzene	< 0.50	0.50		ppbv	1	8/14/2006
1,2-Dichloroethane	< 0.50	0.50		ppbv	1	8/14/2006
1,2-Dichloropropane	3.4	0.50		ppbv	1	8/14/2006
1,3,5-Trimethylbenzene	0.89	0.50		ppbv	1	8/14/2006
1,3-Butadiene	< 0.50	0.50		ppbv	1	8/14/2006
1,3-Dichlorobenzene	< 0.50	0.50		ppbv	1	8/14/2006
1,4-Dichlorobenzene	< 0.50	0.50		ppbv	1	8/14/2006
2,2,4-Trimethylpentane	< 0.50	0.50		ppbv	1	8/14/2006
2-Butanone (MEK)	1.5	1.0		ppbv	1	8/14/2006
2-Hexanone	< 1.0	1.0		ppbv	1	8/14/2006
2-Propanol	< 2.0	2.0		ppbv	1	8/14/2006
4-Ethyltoluene	1.5	0.50		ppbv	1	8/14/2006
4-Methyl-2-pentanone	< 1.0	1.0		ppbv	1	8/14/2006
Acetone	25	5.0		ppbv	1	8/14/2006
Allyl chloride	< 0.50	0.50		ppbv	1	8/14/2006
Benzene	0.82	0.50		ppbv	1	8/14/2006
Benzyl chloride	< 2.0	2.0		ppbv	1	8/14/2006
Bromodichloromethane	0.96	0.50		ppbv	1	8/14/2006
Bromoethene(Vinyl Bromide)	< 0.50	0.50		ppbv	1	8/14/2006
Bromoform	< 0.50	0.50		ppbv	1	8/14/2006
Bromomethane	< 0.50	0.50		ppbv	1	8/14/2006
Carbon disulfide	2.1	0.50		ppbv	1	8/14/2006
Carbon tetrachloride	< 0.50	0.50		ppbv	1	8/14/2006
Chlorobenzene	< 0.50	0.50		ppbv	1	8/14/2006
Chloroethane	< 0.50	0.50		ppbv	1	8/14/2006
Chloroform	9.0	0.50		ppbv	1	8/14/2006
Chloromethane	0.71	0.50		ppbv	1	8/14/2006
cis-1,2-Dichloroethene	4.5	0.50		ppbv	1	8/14/2006
cis-1,3-Dichloropropene	< 0.50	0.50		ppbv	1	8/14/2006
Cyclohexane	< 0.50	0.50		ppbv	1	8/14/2006
Dibromochloromethane	< 0.50	0.50		ppbv	1	8/14/2006

Footnotes: All analysis performed at AEL Phoenix laboratory unless indicated by footnotes.

(1) AEL - Tucson Laboratory

(2) AEL - Knudsen Laboratory

(3) The holding time for pH analysis is immediate. For the most accurate result, the pH should be taken in the field within 15 minutes of sampling.

Page 5 of 6



Aerotech Environmental Laboratories

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Aerotech Environmental, I

Analytical Report

Date: 21-Aug-06

CLIENT:	Mactec	Client Sample ID:	VW-7B
Lab Order:	06080522	Tag Number:	00241
Project:	South Mesa WQARF/4972-06-2050.4.5	Collection Date:	8/14/2006 1:00:00 PM
Lab ID:	06080522-03A	Matrix:	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS IN AIR		TO15		Analyst: KPD		
Dichlorodifluoromethane(F-12)	1.8	0.50		ppbv	1	8/14/2006
Dichlorotetrafluoroethane(F-114)	0.53	0.50		ppbv	1	8/14/2006
Ethyl Acetate	< 0.50	0.50		ppbv	1	8/14/2006
Ethylbenzene	< 0.50	0.50		ppbv	1	8/14/2006
Heptane	< 0.50	0.50		ppbv	1	8/14/2006
Hexachlorobutadiene	< 1.0	1.0		ppbv	1	8/14/2006
Hexane	< 0.50	0.50		ppbv	1	8/14/2006
m&p-Xylene	2.3	1.0		ppbv	1	8/14/2006
Methyl tert-butyl ether	< 1.0	1.0		ppbv	1	8/14/2006
Methylene chloride	< 0.50	0.50		ppbv	1	8/14/2006
o-Xylene	1.2	0.50		ppbv	1	8/14/2006
Propene (Propylene)	< 0.50	0.50		ppbv	1	8/14/2006
Styrene	< 0.50	0.50		ppbv	1	8/14/2006
Tetrachloroethene	270	5.0	D2	ppbv	10	8/14/2006
Tetrahydrofuran	< 2.0	2.0		ppbv	1	8/14/2006
Toluene	1.6	0.50		ppbv	1	8/14/2006
trans-1,2-Dichloroethene	< 0.50	0.50		ppbv	1	8/14/2006
trans-1,3-Dichloropropene	< 0.50	0.50		ppbv	1	8/14/2006
Trichloroethene	1.7	0.50		ppbv	1	8/14/2006
Trichlorofluoromethane(F-11)	4.9	0.50		ppbv	1	8/14/2006
Trichlorotrifluoroethane(F-113)	< 0.50	0.50		ppbv	1	8/14/2006
Vinyl acetate	< 0.50	0.50		ppbv	1	8/14/2006
Vinyl chloride	< 0.50	0.50		ppbv	1	8/14/2006
Surr: 4-Bromofluorobenzene	99.2	70-130		%REC	1	8/14/2006

Footnotes: All analysis performed at AEL Phoenix laboratory unless indicated by footnotes.

(1) AEL - Tucson Laboratory

(2) AEL - Knudsen Laboratory

Page 6 of 6

(3) The holding time for pH analysis is immediate. For the most accurate result, the pH should be taken in the field within 15 minutes of sampling.

Aerotech Environmental, Inc.

Date: 21-Aug-06

CLIENT: Mactec

Work Order: 06080522

Project: South Mesa WQARF/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R77606	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 77606						
Client ID:	Batch ID: R77606	TestNo: TO15		Analysis Date: 8/14/2006	SeqNo: 922512						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	<0.50	0.50									
1,1,2,2-Tetrachloroethane	<0.50	0.50									
1,1,2-Trichloroethane	<0.50	0.50									
1,1-Dichloroethane	<0.50	0.50									
1,1-Dichloroethene	<0.50	0.50									
1,2,4-Trichlorobenzene	<2.0	2.0									
1,2,4-Trimethylbenzene	<0.50	0.50									
1,2-Dibromoethane	<0.50	0.50									
1,2-Dichlorobenzene	<0.50	0.50									
1,2-Dichloroethane	<0.50	0.50									
1,2-Dichloropropane	<0.50	0.50									
1,3,5-Trimethylbenzene	<0.50	0.50									
1,3-Butadiene	<0.50	0.50									
1,3-Dichlorobenzene	<0.50	0.50									
1,4-Dichlorobenzene	<0.50	0.50									
2,2,4-Trimethylpentane	<0.50	0.50									
2-Butanone (MEK)	<1.0	1.0									
2-Hexanone	<1.0	1.0									
2-Propanol	<2.0	2.0									
4-Ethyltoluene	<0.50	0.50									
4-Methyl-2-pentanone	<1.0	1.0									
Acetone	<5.0	5.0									
Allyl chloride	<0.50	0.50									
Benzene	<0.50	0.50									
Benzyl chloride	<2.0	2.0									
Bromodichloromethane	<0.50	0.50									
Bromoethene(Vinyl Bromide)	<0.50	0.50									
Bromoform	<0.50	0.50									

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT:

Mactec

Work Order:

06080522

Project:

South Mesa WQARF/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R77606	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 77606						
Client ID:	Batch ID: R77606	TestNo: TO15		Analysis Date: 8/14/2006	SeqNo: 922512						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	<0.50	0.50									
Carbon disulfide	<0.50	0.50									
Carbon tetrachloride	<0.50	0.50									
Chlorobenzene	<0.50	0.50									
Chloroethane	<0.50	0.50									
Chloroform	<0.50	0.50									
Chloromethane	<0.50	0.50									
cis-1,2-Dichloroethene	<0.50	0.50									
cis-1,3-Dichloropropene	<0.50	0.50									
Cyclohexane	<0.50	0.50									
Dibromochloromethane	<0.50	0.50									
Dichlorodifluoromethane(F-12)	<0.50	0.50									
Dichlorotetrafluoroethane(F-114)	<0.50	0.50									
Ethyl Acetate	<0.50	0.50									
Ethylbenzene	<0.50	0.50									
Heptane	<0.50	0.50									
Hexachlorobutadiene	<1.0	1.0									
Hexane	<0.50	0.50									
m&p-Xylene	<1.0	1.0									
Methyl tert-butyl ether	<1.0	1.0									
Methylene chloride	<0.50	0.50									
o-Xylene	<0.50	0.50									
Propene (Propylene)	<0.50	0.50									
Styrene	<0.50	0.50									
Tetrachloroethene	<0.50	0.50									
Tetrahydrofuran	<2.0	2.0									
Toluene	<0.50	0.50									
trans-1,2-Dichloroethene	<0.50	0.50									
trans-1,3-Dichloropropene	<0.50	0.50									

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Mactec

Work Order: 06080522

Project: South Mesa WQARF/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R77606	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 77606						
Client ID:	Batch ID: R77606	TestNo: TO15		Analysis Date: 8/14/2006	SeqNo: 922512						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichloroethene	<0.50	0.50									
Trichlorofluoromethane(F-11)	<0.50	0.50									
Trichlorotrifluoroethane(F-113)	<0.50	0.50									
Vinyl acetate	<0.50	0.50									
Vinyl chloride	<0.50	0.50									
Surr: 4-Bromofluorobenzene	9.670	0.50	10	0	96.7	70	130				

Sample ID: LCS-R77606	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 77606						
Client ID:	Batch ID: R77606	TestNo: TO15		Analysis Date: 8/14/2006	SeqNo: 922513						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane	10.01	0.50	10	0	100	65	135				
1,1,2,2-Tetrachloroethane	10.10	0.50	10	0	101	65	135				
1,1,2-Trichloroethane	9.220	0.50	10	0	92.2	65	135				
1,1-Dichloroethane	9.640	0.50	10	0	96.4	65	135				
1,1-Dichloroethene	9.700	0.50	10	0	97.0	65	135				
1,2,4-Trichlorobenzene	11.89	2.0	10	0	119	65	135				
1,2,4-Trimethylbenzene	10.66	0.50	10	0	107	65	135				
1,2-Dibromoethane	9.160	0.50	10	0	91.6	65	135				
1,2-Dichlorobenzene	11.27	0.50	10	0	113	65	135				
1,2-Dichloroethane	9.760	0.50	10	0	97.6	65	135				
1,2-Dichloropropane	9.570	0.50	10	0	95.7	65	135				
1,3,5-Trimethylbenzene	10.40	0.50	10	0	104	65	135				
1,3-Butadiene	9.800	0.50	10	0	98.0	65	135				
1,3-Dichlorobenzene	10.77	0.50	10	0	108	65	135				
1,4-Dichlorobenzene	10.87	0.50	10	0	109	65	135				
2,2,4-Trimethylpentane	9.500	0.50	10	0	95.0	65	135				
2-Butanone (MEK)	9.410	1.0	10	0	94.1	65	135				
2-Hexanone	9.070	1.0	10	0	90.7	65	135				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT:

Mactec

Work Order:

06080522

Project:

South Mesa WQARF/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R77606	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 77606						
Client ID:	Batch ID: R77606	TestNo: TO15		Analysis Date: 8/14/2006	SeqNo: 922513						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Propanol	8.070	2.0	10	0	80.7	65	135				
4-Ethyltoluene	9.280	0.50	10	0	92.8	65	135				
4-Methyl-2-pentanone	9.610	1.0	10	0	96.1	65	135				
Acetone	9.550	5.0	10	0	95.5	65	135				
Allyl chloride	9.460	0.50	10	0	94.6	65	135				
Benzene	9.560	0.50	10	0	95.6	65	135				
Benzyl chloride	10.19	2.0	10	0	102	65	135				
Bromodichloromethane	9.590	0.50	10	0	95.9	65	135				
Bromoethene(Vinyl Bromide)	9.890	0.50	10	0	98.9	65	135				
Bromoform	9.050	0.50	10	0	90.5	65	135				
Bromomethane	10.25	0.50	10	0	103	65	135				
Carbon disulfide	9.390	0.50	10	0	93.9	65	135				
Carbon tetrachloride	9.800	0.50	10	0	98.0	65	135				
Chlorobenzene	9.250	0.50	10	0	92.5	65	135				
Chloroethane	10.19	0.50	10	0	102	65	135				
Chloroform	9.600	0.50	10	0	96.0	65	135				
Chloromethane	10.00	0.50	10	0	100	65	135				
cis-1,2-Dichloroethene	9.430	0.50	10	0	94.3	65	135				
cis-1,3-Dichloropropene	10.01	0.50	10	0	100	65	135				
Cyclohexane	9.800	0.50	10	0	98.0	65	135				
Dibromochloromethane	8.810	0.50	10	0	88.1	65	135				
Dichlorodifluoromethane(F-12)	8.880	0.50	10	0	88.8	65	135				
Dichlorotetrafluoroethane(F-114)	10.03	0.50	10	0	100	65	135				
Ethyl Acetate	9.370	0.50	10	0	93.7	65	135				
Ethylbenzene	9.720	0.50	10	0	97.2	65	135				
Heptane	9.770	0.50	10	0	97.7	65	135				
Hexachlorobutadiene	12.47	1.0	10	0	125	65	135				
Hexane	10.02	0.50	10	0	100	65	135				
m&p-Xylene	19.82	1.0	20	0	99.1	65	135				

Qualifiers: E Value above quantitation range

ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits

J Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits

CLIENT: Mactec
Work Order: 06080522
Project: South Mesa WQARF/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT
TestCode: TO15

Sample ID: LCS-R77606	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 77606						
Client ID:	Batch ID: R77606	TestNo: TO15		Analysis Date: 8/14/2006	SeqNo: 922513						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	10.04	1.0	10	0	100	65	135				
Methylene chloride	9.110	0.50	10	0	91.1	65	135				
o-Xylene	9.940	0.50	10	0	99.4	65	135				
Propene (Propylene)	8.940	0.50	10	0	89.4	65	135				
Styrene	9.970	0.50	10	0	99.7	65	135				
Tetrachloroethene	9.340	0.50	10	0	93.4	65	135				
Tetrahydrofuran	9.490	2.0	10	0	94.9	65	135				
Toluene	10.04	0.50	10	0	100	65	135				
trans-1,2-Dichloroethene	9.360	0.50	10	0	93.6	65	135				
trans-1,3-Dichloropropene	9.940	0.50	10	0	99.4	65	135				
Trichloroethene	9.000	0.50	10	0	90.0	65	135				
Trichlorofluoromethane(F-11)	10.10	0.50	10	0	101	65	135				
Trichlorotrifluoroethane(F-113)	9.730	0.50	10	0	97.3	65	135				
Vinyl acetate	9.710	0.50	10	0	97.1	65	135				
Vinyl chloride	9.860	0.50	10	0	98.6	65	135				
Surr: 4-Bromofluorobenzene	10.17	0.50	10	0	102	70	130				

Sample ID: LCSD-R77606	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 77606						
Client ID:	Batch ID: R77606	TestNo: TO15		Analysis Date: 8/14/2006	SeqNo: 922514						
Analyte	Result	PQL	~ SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	10.22	0.50	10	0	102	65	135	10.01	2.08	25	
1,1,2,2-Tetrachloroethane	10.45	0.50	10	0	104	65	135	10.10	3.41	25	
1,1,2-Trichloroethane	9.450	0.50	10	0	94.5	65	135	9.220	2.46	25	
1,1-Dichloroethane	9.890	0.50	10	0	98.9	65	135	9.640	2.56	25	
1,1-Dichloroethene	9.920	0.50	10	0	99.2	65	135	9.700	2.24	25	
1,2,4-Trichlorobenzene	12.86	2.0	10	0	129	65	135	11.89	7.84	25	
1,2,4-Trimethylbenzene	11.01	0.50	10	0	110	65	135	10.66	3.23	25	
1,2-Dibromoethane	9.380	0.50	10	0	93.8	65	135	9.160	2.37	25	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT:

Mactec

Work Order:

06080522

Project:

South Mesa WQARF/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCSD-R77606	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 77606						
Client ID:	Batch ID: R77606	TestNo: TO15		Analysis Date: 8/14/2006	SeqNo: 922514						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichlorobenzene	11.68	0.50	10	0	117	65	135	11.27	3.57	25	
1,2-Dichloroethane	10.02	0.50	10	0	100	65	135	9.760	2.63	25	
1,2-Dichloropropane	9.730	0.50	10	0	97.3	65	135	9.570	1.66	25	
1,3,5-Trimethylbenzene	10.74	0.50	10	0	107	65	135	10.40	3.22	25	
1,3-Butadiene	9.830	0.50	10	0	98.3	65	135	9.800	0.306	25	
1,3-Dichlorobenzene	11.12	0.50	10	0	111	65	135	10.77	3.20	25	
1,4-Dichlorobenzene	11.26	0.50	10	0	113	65	135	10.87	3.52	25	
2,2,4-Trimethylpentane	9.660	0.50	10	0	96.6	65	135	9.500	1.67	25	
2-Butanone (MEK)	9.700	1.0	10	0	97.0	65	135	9.410	3.04	25	
2-Hexanone	9.380	1.0	10	0	93.8	65	135	9.070	3.36	25	
2-Propanol	8.510	2.0	10	0	85.1	65	135	8.070	5.31	25	
4-Ethyltoluene	9.570	0.50	10	0	95.7	65	135	9.280	3.08	25	
4-Methyl-2-pentanone	9.880	1.0	10	0	98.8	65	135	9.610	2.77	25	
Acetone	9.900	5.0	10	0	99.0	65	135	9.550	3.60	25	
Allyl chloride	9.690	0.50	10	0	96.9	65	135	9.460	2.40	25	
Benzene	9.880	0.50	10	0	98.8	65	135	9.560	3.29	25	
Benzyl chloride	10.61	2.0	10	0	106	65	135	10.19	4.04	25	
Bromodichloromethane	9.850	0.50	10	0	98.5	65	135	9.590	2.67	25	
Bromoethene(Vinyl Bromide)	9.990	0.50	10	0	99.9	65	135	9.890	1.01	25	
Bromoform	9.340	0.50	10	0	93.4	65	135	9.050	3.15	25	
Bromomethane	10.31	0.50	10	0	103	65	135	10.25	0.584	25	
Carbon disulfide	9.560	0.50	10	0	95.6	65	135	9.390	1.79	25	
Carbon tetrachloride	9.980	0.50	10	0	99.8	65	135	9.800	1.82	25	
Chlorobenzene	9.510	0.50	10	0	95.1	65	135	9.250	2.77	25	
Chloroethane	10.27	0.50	10	0	103	65	135	10.19	0.782	25	
Chloroform	9.830	0.50	10	0	98.3	65	135	9.600	2.37	25	
Chloromethane	10.00	0.50	10	0	100	65	135	10.00	0	25	
cis-1,2-Dichloroethene	9.770	0.50	10	0	97.7	65	135	9.430	3.54	25	
cis-1,3-Dichloropropene	10.29	0.50	10	0	103	65	135	10.01	2.76	25	

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

CLIENT: Mactec
Work Order: 06080522
Project: South Mesa WQARF/4972-06-2050.4.5

Sample ID: LCSD-R77606	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 77606						
Client ID:	Batch ID: R77606	TestNo: TO15		Analysis Date: 8/14/2006	SeqNo: 922514						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyclohexane	9.980	0.50	10	0	99.8	65	135	9.800	1.82	25	
Dibromochloromethane	9.060	0.50	10	0	90.6	65	135	8.810	2.80	25	
Dichlorodifluoromethane(F-12)	8.790	0.50	10	0	87.9	65	135	8.880	1.02	25	
Dichlorotetrafluoroethane(F-114)	10.02	0.50	10	0	100	65	135	10.03	0.0998	25	
Ethyl Acetate	9.790	0.50	10	0	97.9	65	135	9.370	4.38	25	
Ethylbenzene	10.05	0.50	10	0	100	65	135	9.720	3.34	25	
Heptane	10.03	0.50	10	0	100	65	135	9.770	2.63	25	
Hexachlorobutadiene	12.81	1.0	10	0	128	65	135	12.47	2.69	25	
Hexane	10.22	0.50	10	0	102	65	135	10.02	1.98	25	
m&p-Xylene	20.40	1.0	20	0	102	65	135	19.82	2.88	25	
Methyl tert-butyl ether	10.58	1.0	10	0	106	65	135	10.04	5.24	25	
Methylene chloride	9.310	0.50	10	0	93.1	65	135	9.110	2.17	25	
o-Xylene	10.21	0.50	10	0	102	65	135	9.940	2.68	25	
Propene (Propylene)	8.980	0.50	10	0	89.8	65	135	8.940	0.446	25	
Styrene	10.36	0.50	10	0	104	65	135	9.970	3.84	25	
Tetrachloroethene	9.600	0.50	10	0	96.0	65	135	9.340	2.75	25	
Tetrahydrofuran	9.880	2.0	10	0	98.8	65	135	9.490	4.03	25	
Toluene	10.35	0.50	10	0	104	65	135	10.04	3.04	25	
trans-1,2-Dichloroethene	9.560	0.50	10	0	95.6	65	135	9.360	2.11	25	
trans-1,3-Dichloropropene	10.24	0.50	10	0	102	65	135	9.940	2.97	25	
Trichloroethene	9.170	0.50	10	0	91.7	65	135	9.000	1.87	25	
Trichlorofluoromethane(F-11)	10.07	0.50	10	0	101	65	135	10.10	0.297	25	
Trichlorotrifluoroethane(F-113)	9.940	0.50	10	0	99.4	65	135	9.730	2.14	25	
Vinyl acetate	10.06	0.50	10	0	101	65	135	9.710	3.54	25	
Vinyl chloride	10.03	0.50	10	0	100	65	135	9.860	1.71	25	
Surr: 4-Bromofluorobenzene	10.13	0.50	10	0	101	70	130	10.17	0	0	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

Laboratory Number: <u>06-08-0522</u>	Checklist completed by: <u>James Graving</u>
Client Name: <u>MacTec Inc.</u>	Signature/Date: <u>8/14/06</u>
Matrix: <u>Air</u>	Carrier Name: <u>M. Hunsmer</u> Date/Time Rec'd: <u>8/14/06 13:32</u> By: <u>JM</u>

Temperature of Samples? Amb. °C Circle one: Blue Ice Wet Ice Not Present

	Yes	No*	Not Present	Soil Containers:
Shipping container/cooler in good condition?	✓			Brass Sleeve _____
Custody seals intact on shipping container/cooler?			✓	Glass Jar _____
Custody seals intact on sample containers?			✓	Methanol _____
Chain of Custody present and relinquished/received properly?	✓			Plastic Bag _____
Chain of Custody agrees with sample labels?	✓			Encore Samplers _____
Samples in proper containers/bottles?	✓			
Sample containers intact?	✓			
All samples received within holding time?	✓			**See Comment about Chlorine and pH
Is there sufficient sample volume to perform the tests?	✓			
40mL vials for volatiles & SOC's received with zero headspace?			✓	

Total number of bottles received: 3 IH sample media: 94 1L Summary Canister
 If applicable, how many sample bottles were shipped from AEL-Tucson? N/A ✓

Number of containers received by preservative and by sample number: (If more than 15 samples are rec'd, please continue on separate sheet(s))

Preservative	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A-General	1	1	1												
B-HNO3															
C-H2SO4															
D-HCl															
E-Na2S2O3															
F-NaOH															
G-Sulfide															
H-Na Sulfite															
I-MCAA															
J-Methanol															
K-HAA															
L-Other															

Water-pH acceptable upon receipt? Yes No N/A ✓

Preservative & pH	pH of samples upon receipt	If pH requires adjustment, list sample number, and reagent ID. number
Metals <2		
Nutrients <2		
Total Phenols <2		
413 (O&G) <2		
418 (TPH) <2		
Cyanide >12		
Sulfide >9		

*Any No response must be detailed in the comments section below. Contact the PM immediately to determine how to proceed. Refer to SOP 11-001.04, Section 1.8.6. Continue on back if additional space is needed.

**The holding time for pH and Total Residual Chlorine analysis is immediate. For the most accurate result, the pH and Total Residual Chlorine should be taken in the field within 15 minutes of sampling.

Comments:

Corrective Action:



A division of
Aerotech Laboratories, Inc.

www.aeroenvirolabs.com or call toll-free 866.772.5227

Instructions / Special Requirements:	
Date: 8/14/6	Time: 1332
Samples Relinquished By: [Signature]	
Received By: [Signature]	



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Thursday, September 28, 2006

Jim Clarke
Mactec
3630 East Wier Avenue
Phoenix, AZ 85040

TEL (602) 437-0250

FAX (602) 437-3675

RE: South Mesa WQARF/4972-06-2050.4.5

AMENDED REPORT

Order No.: 06090615

Dear Jim Clarke:

Enclosed is the amended report that reflects the inclusion of ug/m3 units that was not reported in the report of September 22, 2006.

Aerotech Environmental, Inc. received 3 sample(s) on 9/19/2006 for the analyses presented in the following report.

This report includes the following information:

- Case Narrative.
- Analytical Report: includes test results, report limit (Limit), any applicable data qualifier (Qual), units, dilution factor (DF), and date analyzed.
- QC Summary Report.

This communication is intended only for the individual or entity to whom it is directed. It may contain information that is privileged, confidential, or otherwise exempt from disclosure under applicable law. Dissemination, distribution, or copying of this communication by anyone other than the intended recipient, or a duly designated employee or agent of such recipient, is prohibited. If you have received this communication in error, please notify us immediately and destroy this message and all attachments thereto. If you have any questions regarding these test results, please do not hesitate to call.

Sincerely,

Tim Trestrail
Project Manager



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental, Inc.

Date: 28-Sep-06

CLIENT: Mactec
Project: South Mesa WQARF/4972-06-2050.4.5
Lab Order: 06090615

CASE NARRATIVE

Samples were analyzed using methods outlined in references such as:

- Standard Methods for the Examination of Water and Wastewater, 19th Edition, 1995.
- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.
- Methods for the Determination of Organic Compounds in Drinking Water: Supplement III, EPA/600/R-95/131, August 1995.
- Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.
- 40 CFR, Part 136, Revised 1998. Appendix A to Part 136 - Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater.
- NIOSH Manual of Analytical Methods, Fourth Edition, 1994.
- Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.

Aerotech Environmental Laboratories (AEL) holds Arizona certification no. AZ0610.

Aerotech Environmental Laboratories (Laboratory 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.

Analytical Comments:

All method blanks and laboratory control spikes met EPA method and/or laboratory quality control objectives for the analyses included in this report.

Data Qualifiers:

Listed below are the data qualifiers used in your analytical report to explain any analytical or quality control issues. You will find them noted in your report under the column header "QUAL". Any quality control deficiencies that cannot be adequately described by these qualifiers will be addressed in the analytical comments section of this case narrative.

- D2 Sample required dilution due to high concentration of target analyte.
R7 LCS/LCSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

Aerotech Environmental, Inc.

Date: 03-Oct-06

CLIENT: Mactec
Lab Order: 06090615
Project: South Mesa WQARF/4972-06-2050.4.5
Lab ID: 06090615-01A

Client Sample ID: EFF
Tag Number: 00669
Collection Date: 9/19/2006 9:30:00 AM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
1,1,1-Trichloroethane	< 0.50	0.50	< 2.8	2.8	1		9/20/2006
1,1,2,2-Tetrachloroethane	< 0.50	0.50	< 3.5	3.5	1		9/20/2006
1,1,2-Trichloroethane	< 0.50	0.50	< 2.8	2.8	1		9/20/2006
1,1-Dichloroethane	< 0.50	0.50	< 2.1	2.1	1		9/20/2006
1,1-Dichloroethene	< 0.50	0.50	< 2.0	2.0	1		9/20/2006
1,2,4-Trichlorobenzene	< 2.0	2.0	< 15	15	1		9/20/2006
1,2,4-Trimethylbenzene	18	0.50	90	2.5	1		9/20/2006
1,2-Dibromoethane	< 0.50	0.50	< 3.9	3.9	1		9/20/2006
1,2-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1		9/20/2006
1,2-Dichloroethane	< 0.50	0.50	< 2.1	2.1	1		9/20/2006
1,2-Dichloropropane	< 0.50	0.50	< 2.4	2.4	1		9/20/2006
1,3,5-Trimethylbenzene	3.6	0.50	18	2.5	1		9/20/2006
1,3-Butadiene	< 0.50	0.50	< 1.1	1.1	1		9/20/2006
1,3-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1		9/20/2006
1,4-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1		9/20/2006
2,2,4-Trimethylpentane	0.94	0.50	4.5	2.4	1		9/20/2006
2-Butanone (MEK)	68	10	200	30	D2	10	9/20/2006
2-Hexanone	< 1.0	1.0	< 4.2	4.2	1		9/20/2006
2-Propanol	8.6	2.0	21	5.0	1		9/20/2006
4-Ethyltoluene	3.3	0.50	15	2.2	1		9/20/2006
4-Methyl-2-pentanone	< 1.0	1.0	< 4.2	4.2	1		9/20/2006
Acetone	71	50	170	120	D2	10	9/20/2006
Allyl chloride	< 0.50	0.50	< 0.80	0.80	1		9/20/2006
Benzene	0.80	0.50	2.6	1.6	1		9/20/2006
Benzyl chloride	< 2.0	2.0	< 11	11	1		9/20/2006
Bromodichloromethane	< 0.50	0.50	< 3.4	3.4	1		9/20/2006

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Aerotech Environmental, Inc.

Date: 03-Oct-06

CLIENT: Mactec
Lab Order: 06090615
Project: South Mesa WQARF/4972-06-2050.4.5
Lab ID: 06090615-01A

Client Sample ID: EFF
Tag Number: 00669
Collection Date: 9/19/2006 9:30:00 AM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Bromoethene(Vinyl Bromide)	< 0.50	0.50	< 1.1	1.1	1	9/20/2006	
Bromoform	< 0.50	0.50	< 5.2	5.2	1	9/20/2006	
Bromomethane	< 0.50	0.50	< 2.0	2.0	1	9/20/2006	
Carbon disulfide	< 0.50	0.50	< 1.6	1.6	1	9/20/2006	
Carbon tetrachloride	< 0.50	0.50	< 3.2	3.2	1	9/20/2006	
Chlorobenzene	< 0.50	0.50	< 2.4	2.4	1	9/20/2006	
Chloroethane	< 0.50	0.50	< 1.3	1.3	1	9/20/2006	
Chloroform	< 0.50	0.50	< 2.5	2.5	1	9/20/2006	
Chloromethane	0.60	0.50	1.3	1.0	1	9/20/2006	
cis-1,2-Dichloroethene	< 0.50	0.50	< 2.0	2.0	1	9/20/2006	
cis-1,3-Dichloropropene	< 0.50	0.50	< 2.3	2.3	1	9/20/2006	
Cyclohexane	< 0.50	0.50	< 1.7	1.7	1	9/20/2006	
Dibromochloromethane	< 0.50	0.50	< 4.3	4.3	1	9/20/2006	
Dichlorodifluoromethane(F-12)	0.76	0.50	3.8	2.5	1	9/20/2006	
Dichlorotetrafluoroethane(F-114)	< 0.50	0.50	< 3.6	3.6	1	9/20/2006	
Ethyl Acetate	< 0.50	0.50	< 1.8	1.8	1	9/20/2006	
Ethylbenzene	5.5	0.50	24	2.2	1	9/20/2006	
Heptane	0.72	0.50	3.0	2.1	1	9/20/2006	
Hexachlorobutadiene	< 1.0	1.0	< 11	11	1	9/20/2006	
Hexane	< 0.50	0.50	< 1.8	1.8	1	9/20/2006	
m&p-Xylene	22	1.0	97	4.4	1	9/20/2006	
Methyl tert-butyl ether	< 1.0	1.0	< 3.7	3.7	1	9/20/2006	
Methylene chloride	< 0.50	0.50	< 1.8	1.8	1	9/20/2006	
o-Xylene	8.1	0.50	36	2.2	1	9/20/2006	
Propene (Propylene)	< 0.50	0.50	< 0.88	0.88	1	9/20/2006	
Styrene	< 0.50	0.50	< 2.2	2.2	1	9/20/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Aerotech Environmental, Inc.

Date: 03-Oct-06

CLIENT: Mactec
Lab Order: 06090615
Project: South Mesa WQARF/4972-06-2050.4.5
Lab ID: 06090615-01A

Client Sample ID: EFF
Tag Number: 00669
Collection Date: 9/19/2006 9:30:00 AM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Tetrachloroethene	< 0.50	0.50	< 3.4	3.4	1		9/20/2006
Tetrahydrofuran	220	20	660	60	D2	10	9/20/2006
Toluene	10	0.50	38	1.9	1		9/20/2006
trans-1,2-Dichloroethene	< 0.50	0.50	< 2.0	2.0	1		9/20/2006
trans-1,3-Dichloropropene	< 0.50	0.50	< 2.3	2.3	1		9/20/2006
Trichloroethene	< 0.50	0.50	< 2.8	2.8	1		9/20/2006
Trichlorofluoromethane(F-11)	< 0.50	0.50	< 2.8	2.8	1		9/20/2006
Trichlorotrifluoroethane(F-113)	< 0.50	0.50	< 3.9	3.9	1		9/20/2006
Vinyl acetate	< 0.50	0.50	< 1.8	1.8	1		9/20/2006
Vinyl chloride	< 0.50	0.50	< 1.3	1.3	1		9/20/2006
Surr: 4-Bromofluorobenzene	102 %REC	70-130	-	-	1		9/20/2006

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Aerotech Environmental, Inc.

Date: 03-Oct-06

CLIENT: Mactec
Lab Order: 06090615
Project: South Mesa WQARF/4972-06-2050.4.5
Lab ID: 06090615-02A

Client Sample ID: INT
Tag Number: 00619
Collection Date: 9/19/2006 9:35:00 AM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
1,1,1-Trichloroethane	< 2.0	2.0	< 11	11	4	9/20/2006	
1,1,2,2-Tetrachloroethane	< 2.0	2.0	< 14	14	4	9/20/2006	
1,1,2-Trichloroethane	< 2.0	2.0	< 11	11	4	9/20/2006	
1,1-Dichloroethane	19	2.0	78	8.2	4	9/20/2006	
1,1-Dichloroethene	7.6	2.0	31	8.1	4	9/20/2006	
1,2,4-Trichlorobenzene	< 8.0	8.0	< 60	60	4	9/20/2006	
1,2,4-Trimethylbenzene	12	2.0	60	10	4	9/20/2006	
1,2-Dibromoethane	< 2.0	2.0	< 16	16	4	9/20/2006	
1,2-Dichlorobenzene	< 2.0	2.0	< 12	12	4	9/20/2006	
1,2-Dichloroethane	< 2.0	2.0	< 8.2	8.2	4	9/20/2006	
1,2-Dichloropropane	< 2.0	2.0	< 9.4	9.4	4	9/20/2006	
1,3,5-Trimethylbenzene	2.3	2.0	11	10	4	9/20/2006	
1,3-Butadiene	< 2.0	2.0	< 4.5	4.5	4	9/20/2006	
1,3-Dichlorobenzene	< 2.0	2.0	< 12	12	4	9/20/2006	
1,4-Dichlorobenzene	< 2.0	2.0	< 12	12	4	9/20/2006	
2,2,4-Trimethylpentane	3.6	2.0	17	9.5	4	9/20/2006	
2-Butanone (MEK)	32	4.0	96	12	4	9/20/2006	
2-Hexanone	< 4.0	4.0	< 17	17	4	9/20/2006	
2-Propanol	8.7	8.0	22	20	4	9/20/2006	
4-Ethyltoluene	2.2	2.0	9.7	8.8	4	9/20/2006	
4-Methyl-2-pentanone	< 4.0	4.0	< 17	17	4	9/20/2006	
Acetone	38	20	92	48	4	9/20/2006	
Allyl chloride	< 2.0	2.0	< 3.2	3.2	4	9/20/2006	
Benzene	< 2.0	2.0	< 6.5	6.5	4	9/20/2006	
Benzyl chloride	< 8.0	8.0	< 42	42	4	9/20/2006	
Bromodichloromethane	< 2.0	2.0	< 14	14	4	9/20/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Aerotech Environmental, Inc.

Date: 03-Oct-06

CLIENT: Mactec
Lab Order: 06090615
Project: South Mesa WQARF/4972-06-2050.4.5
Lab ID: 06090615-02A

Client Sample ID: INT
Tag Number: 00619
Collection Date: 9/19/2006 9:35:00 AM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Bromoethene(Vinyl Bromide)	< 2.0	2.0	< 4.4	4.4	4	9/20/2006	
Bromoform	< 2.0	2.0	< 21	21	4	9/20/2006	
Bromomethane	< 2.0	2.0	< 7.9	7.9	4	9/20/2006	
Carbon disulfide	< 2.0	2.0	< 6.3	6.3	4	9/20/2006	
Carbon tetrachloride	< 2.0	2.0	< 13	13	4	9/20/2006	
Chlorobenzene	< 2.0	2.0	< 9.4	9.4	4	9/20/2006	
Chloroethane	< 2.0	2.0	< 5.4	5.4	4	9/20/2006	
Chloroform	14	2.0	69	9.9	4	9/20/2006	
Chloromethane	< 2.0	2.0	< 4.2	4.2	4	9/20/2006	
cis-1,2-Dichloroethene	5.4	2.0	22	8.0	4	9/20/2006	
cis-1,3-Dichloropropene	< 2.0	2.0	< 9.2	9.2	4	9/20/2006	
Cyclohexane	< 2.0	2.0	< 7.0	7.0	4	9/20/2006	
Dibromochloromethane	< 2.0	2.0	< 17	17	4	9/20/2006	
Dichlorodifluoromethane(F-12)	< 2.0	2.0	< 10	10	4	9/20/2006	
Dichlorotetrafluoroethane(F-114)	< 2.0	2.0	< 14	14	4	9/20/2006	
Ethyl Acetate	< 2.0	2.0	< 7.3	7.3	4	9/20/2006	
Ethylbenzene	3.3	2.0	15	8.8	4	9/20/2006	
Heptane	< 2.0	2.0	< 8.3	8.3	4	9/20/2006	
Hexachlorobutadiene	< 4.0	4.0	< 43	43	4	9/20/2006	
Hexane	< 2.0	2.0	< 7.1	7.1	4	9/20/2006	
m&p-Xylene	13	4.0	57	18	4	9/20/2006	
Methyl tert-butyl ether	< 4.0	4.0	< 15	15	4	9/20/2006	
Methylene chloride	< 2.0	2.0	< 7.1	7.1	4	9/20/2006	
o-Xylene	5.2	2.0	23	8.8	4	9/20/2006	
Propene (Propylene)	< 2.0	2.0	< 3.5	3.5	4	9/20/2006	
Styrene	< 2.0	2.0	< 8.6	8.6	4	9/20/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Aerotech Environmental, Inc.

Date: 03-Oct-06

CLIENT: Mactec
Lab Order: 06090615
Project: South Mesa WQARF/4972-06-2050.4.5
Lab ID: 06090615-02A

Client Sample ID: INT
Tag Number: 00619
Collection Date: 9/19/2006 9:35:00 AM
Matrix: AIR

Analyses	ppbv		µg/m ³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15					Analyst: KPD
Tetrachloroethene	96	2.0	660	14	D2	4	9/20/2006
Tetrahydrofuran	130	8.0	390	24	D2	4	9/20/2006
Toluene	5.9	2.0	23	7.7		4	9/20/2006
trans-1,2-Dichloroethene	< 2.0	2.0	< 8.0	8.0		4	9/20/2006
trans-1,3-Dichloropropene	< 2.0	2.0	< 9.2	9.2		4	9/20/2006
Trichloroethene	2.0	2.0	11	11		4	9/20/2006
Trichlorofluoromethane(F-11)	3.3	2.0	19	11		4	9/20/2006
Trichlorotrifluoroethane(F-113)	< 2.0	2.0	< 16	16		4	9/20/2006
Vinyl acetate	< 2.0	2.0	< 7.1	7.1		4	9/20/2006
Vinyl chloride	< 2.0	2.0	< 5.2	5.2		4	9/20/2006
Surr: 4-Bromofluorobenzene	96.5 %REC	70-130	-	-		4	9/20/2006

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Aerotech Environmental, Inc.

Date: 03-Oct-06

CLIENT: Mactec
Lab Order: 06090615
Project: South Mesa WQARF/4972-06-2050.4.5
Lab ID: 06090615-03A

Client Sample ID: INF
Tag Number: 00238
Collection Date: 9/19/2006 9:40:00 AM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
1,1,1-Trichloroethane	< 5.0	5.0	< 28	28	10	9/20/2006	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	< 35	35	10	9/20/2006	
1,1,2-Trichloroethane	< 5.0	5.0	< 28	28	10	9/20/2006	
1,1-Dichloroethane	10	5.0	41	21	10	9/20/2006	
1,1-Dichloroethene	10	5.0	40	20	10	9/20/2006	
1,2,4-Trichlorobenzene	< 20	20	< 150	150	10	9/20/2006	
1,2,4-Trimethylbenzene	5.4	5.0	27	25	10	9/20/2006	
1,2-Dibromoethane	< 5.0	5.0	< 39	39	10	9/20/2006	
1,2-Dichlorobenzene	< 5.0	5.0	< 31	31	10	9/20/2006	
1,2-Dichloroethane	< 5.0	5.0	< 21	21	10	9/20/2006	
1,2-Dichloropropane	< 5.0	5.0	< 24	24	10	9/20/2006	
1,3,5-Trimethylbenzene	< 5.0	5.0	< 25	25	10	9/20/2006	
1,3-Butadiene	< 5.0	5.0	< 11	11	10	9/20/2006	
1,3-Dichlorobenzene	< 5.0	5.0	< 31	31	10	9/20/2006	
1,4-Dichlorobenzene	< 5.0	5.0	< 31	31	10	9/20/2006	
2,2,4-Trimethylpentane	< 5.0	5.0	< 24	24	10	9/20/2006	
2-Butanone (MEK)	19	10	57	30	10	9/20/2006	
2-Hexanone	< 10	10	< 42	42	10	9/20/2006	
2-Propanol	< 20	20	< 50	50	10	9/20/2006	
4-Ethyltoluene	< 5.0	5.0	< 22	22	10	9/20/2006	
4-Methyl-2-pentanone	< 10	10	< 42	42	10	9/20/2006	
Acetone	< 50	50	< 120	120	10	9/20/2006	
Allyl chloride	< 5.0	5.0	< 8.0	8.0	10	9/20/2006	
Benzene	< 5.0	5.0	< 16	16	10	9/20/2006	
Benzyl chloride	< 20	20	< 110	110	10	9/20/2006	
Bromodichloromethane	< 5.0	5.0	< 34	34	10	9/20/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Aerotech Environmental, Inc.

Date: 03-Oct-06

CLIENT: Mactec
Lab Order: 06090615
Project: South Mesa WQARF/4972-06-2050.4.5
Lab ID: 06090615-03A

Client Sample ID: INF
Tag Number: 00238
Collection Date: 9/19/2006 9:40:00 AM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15		Analyst: KPD			
Bromoethene(Vinyl Bromide)	< 5.0	5.0	< 11	11	10	9/20/2006	
Bromoform	< 5.0	5.0	< 52	52	10	9/20/2006	
Bromomethane	< 5.0	5.0	< 20	20	10	9/20/2006	
Carbon disulfide	< 5.0	5.0	< 16	16	10	9/20/2006	
Carbon tetrachloride	< 5.0	5.0	< 32	32	10	9/20/2006	
Chlorobenzene	< 5.0	5.0	< 24	24	10	9/20/2006	
Chloroethane	< 5.0	5.0	< 13	13	10	9/20/2006	
Chloroform	9.2	5.0	46	25	10	9/20/2006	
Chloromethane	< 5.0	5.0	< 10	10	10	9/20/2006	
cis-1,2-Dichloroethene	< 5.0	5.0	< 20	20	10	9/20/2006	
cis-1,3-Dichloropropene	< 5.0	5.0	< 23	23	10	9/20/2006	
Cyclohexane	< 5.0	5.0	< 17	17	10	9/20/2006	
Dibromochloromethane	< 5.0	5.0	< 43	43	10	9/20/2006	
Dichlorodifluoromethane(F-12)	< 5.0	5.0	< 25	25	10	9/20/2006	
Dichlorotetrafluoroethane(F-114)	< 5.0	5.0	< 36	36	10	9/20/2006	
Ethyl Acetate	< 5.0	5.0	< 18	18	10	9/20/2006	
Ethylbenzene	< 5.0	5.0	< 22	22	10	9/20/2006	
Heptane	< 5.0	5.0	< 21	21	10	9/20/2006	
Hexachlorobutadiene	< 10	10	< 110	110	10	9/20/2006	
Hexane	< 5.0	5.0	< 18	18	10	9/20/2006	
m&p-Xylene	< 10	10	< 44	44	10	9/20/2006	
Methyl tert-butyl ether	< 10	10	< 37	37	10	9/20/2006	
Methylene chloride	< 5.0	5.0	< 18	18	10	9/20/2006	
o-Xylene	< 5.0	5.0	< 22	22	10	9/20/2006	
Propene (Propylene)	< 5.0	5.0	< 8.8	8.8	10	9/20/2006	
Styrene	< 5.0	5.0	< 22	22	10	9/20/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Aerotech Environmental, Inc.

Date: 03-Oct-06

CLIENT: Mactec
Lab Order: 06090615
Project: South Mesa WQARF/4972-06-2050.4.5
Lab ID: 06090615-03A

Client Sample ID: INF
Tag Number: 00238
Collection Date: 9/19/2006 9:40:00 AM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Tetrachloroethene	340	5.0	2300	34	D2	10	9/20/2006
Tetrahydrofuran	70	20	210	60	D2	10	9/20/2006
Toluene	< 5.0	5.0	< 19	19		10	9/20/2006
trans-1,2-Dichloroethene	< 5.0	5.0	< 20	20		10	9/20/2006
trans-1,3-Dichloropropene	< 5.0	5.0	< 23	23		10	9/20/2006
Trichloroethene	< 5.0	5.0	< 28	28		10	9/20/2006
Trichlorofluoromethane(F-11)	< 5.0	5.0	< 28	28		10	9/20/2006
Trichlorotrifluoroethane(F-113)	< 5.0	5.0	< 39	39		10	9/20/2006
Vinyl acetate	< 5.0	5.0	< 18	18		10	9/20/2006
Vinyl chloride	< 5.0	5.0	< 13	13		10	9/20/2006
Surr: 4-Bromofluorobenzene	95.6 %REC	70-130	-	-		10	9/20/2006

Analyst: KPD

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental, Inc.

Date: 28-Sep-06

CLIENT: Mactec

Work Order: 06090615

Project: South Mesa WQARF/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID	MB-R79063	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 79063					
Client ID:		Batch ID: R79063	TestNo: TO15		Analysis Date: 9/20/2006	SeqNo: 939780					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	<0.50	0.50									
1,1,2,2-Tetrachloroethane	<0.50	0.50									
1,1,2-Trichloroethane	<0.50	0.50									
1,1-Dichloroethane	<0.50	0.50									
1,1-Dichloroethene	<0.50	0.50									
1,2,4-Trichlorobenzene	<2.0	2.0									
1,2,4-Trimethylbenzene	<0.50	0.50									
1,2-Dibromoethane	<0.50	0.50									
1,2-Dichlorobenzene	<0.50	0.50									
1,2-Dichloroethane	<0.50	0.50									
1,2-Dichloropropane	<0.50	0.50									
1,3,5-Trimethylbenzene	<0.50	0.50									
1,3-Butadiene	<0.50	0.50									
1,3-Dichlorobenzene	<0.50	0.50									
1,4-Dichlorobenzene	<0.50	0.50									
1,4-Dioxane	<5.0	5.0									
2,2,4-Trimethylpentane	<0.50	0.50									
2-Butanone (MEK)	<1.0	1.0									
2-Hexanone	<1.0	1.0									
2-Propanol	<2.0	2.0									
4-Ethyltoluene	<0.50	0.50									
4-Methyl-2-pentanone	<1.0	1.0									
Acetone	<5.0	5.0									
Allyl chloride	<0.50	0.50									
Benzene	<0.50	0.50									
Benzyl chloride	<2.0	2.0									
Bromodichloromethane	<0.50	0.50									
Bromoethene(Vinyl Bromide)	<0.50	0.50									

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT:

Mactec

Work Order:

06090615

Project:

South Mesa WQARF/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID	MB-R79063	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 79063					
Client ID:	Batch ID: R79063		TestNo: TO15		Analysis Date: 9/20/2006	SeqNo: 939780					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	<0.50	0.50									
Bromomethane	<0.50	0.50									
Carbon disulfide	<0.50	0.50									
Carbon tetrachloride	<0.50	0.50									
Chlorobenzene	<0.50	0.50									
Chloroethane	<0.50	0.50									
Chloroform	<0.50	0.50									
Chloromethane	<0.50	0.50									
cis-1,2-Dichloroethene	<0.50	0.50									
cis-1,3-Dichloropropene	<0.50	0.50									
Cyclohexane	<0.50	0.50									
Dibromochloromethane	<0.50	0.50									
Dichlorodifluoromethane(F-12)	<0.50	0.50									
Dichlorotetrafluoroethane(F-114)	<0.50	0.50									
Ethyl Acetate	<0.50	0.50									
Ethylbenzene	<0.50	0.50									
Heptane	<0.50	0.50									
Hexachlorobutadiene	<1.0	1.0									
Hexane	<0.50	0.50									
m&p-Xylene	<1.0	1.0									
Methyl tert-butyl ether	<1.0	1.0									
Methylene chloride	<0.50	0.50									
o-Xylene	<0.50	0.50									
Propene (Propylene)	<0.50	0.50									
Styrene	<0.50	0.50									
Tetrachloroethene	<0.50	0.50									
Tetrahydrofuran	<2.0	2.0									
Toluene	<0.50	0.50									
trans-1,2-Dichloroethene	<0.50	0.50									

Qualifiers:

E Value above quantitation range

ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits

J Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT: Mactec

Work Order: 06090615

Project: South Mesa WQARF/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID	MB-R79063	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 79063						
Client ID:		Batch ID: R79063	TestNo: TO15		Analysis Date: 9/20/2006	SeqNo: 939780						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

trans-1,3-Dichloropropene	<0.50	0.50									
Trichloroethene	<0.50	0.50									
Trichlorofluoromethane(F-11)	<0.50	0.50									
Trichlorotrifluoroethane(F-113)	<0.50	0.50									
Vinyl acetate	<0.50	0.50									
Vinyl chloride	<0.50	0.50									
Surr: 4-Bromofluorobenzene	9.400	0.50	10	0	94.0	70	130				

Sample ID	LCS-R79063	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 79063					
Client ID:		Batch ID: R79063	TestNo: TO15		Analysis Date: 9/20/2006	SeqNo: 939789					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane	11.41	0.50	10	0	114	65	135				
1,1,2,2-Tetrachloroethane	11.39	0.50	10	0	114	65	135				
1,1,2-Trichloroethane	10.97	0.50	10	0	110	65	135				
1,1-Dichloroethane	10.37	0.50	10	0	104	65	135				
1,1-Dichloroethene	11.83	0.50	10	0	118	65	135				
1,2,4-Trichlorobenzene	11.15	2.0	10	0	112	65	135				
1,2,4-Trimethylbenzene	12.12	0.50	10	0	121	65	135				
1,2-Dibromoethane	10.81	0.50	10	0	108	65	135				
1,2-Dichlorobenzene	11.80	0.50	10	0	118	65	135				
1,2-Dichloroethane	10.48	0.50	10	0	105	65	135				
1,2-Dichloropropane	10.68	0.50	10	0	107	65	135				
1,3,5-Trimethylbenzene	12.21	0.50	10	0	122	65	135				
1,3-Butadiene	10.45	0.50	10	0	104	65	135				
1,3-Dichlorobenzene	11.90	0.50	10	0	119	65	135				
1,4-Dichlorobenzene	12.05	0.50	10	0	120	65	135				
1,4-Dioxane	10.40	5.0	10	0	104	65	135				
2,2,4-Trimethylpentane	10.72	0.50	10	0	107	65	135				

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT:

Mactec

Work Order:

06090615

Project:

South Mesa WQARF/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID	LCS-R79063	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 79063					
Client ID:		Batch ID: R79063	TestNo: TO15		Analysis Date: 9/20/2006	SeqNo: 939789					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Butanone (MEK)	10.27	1.0	10	0	103	65	135				
2-Hexanone	10.44	1.0	10	0	104	65	135				
2-Propanol	10.01	2.0	10	0	100	65	135				
4-Ethyltoluene	12.08	0.50	10	0	121	65	135				
4-Methyl-2-pentanone	10.56	1.0	10	0	106	65	135				
Acetone	9.510	5.0	10	0	95.1	65	135				
Allyl chloride	10.55	0.50	10	0	106	65	135				
Benzene	10.90	0.50	10	0	109	65	135				
Benzyl chloride	11.58	2.0	10	0	116	65	135				
Bromodichloromethane	10.57	0.50	10	0	106	65	135				
Bromoethene(Vinyl Bromide)	10.53	0.50	10	0	105	65	135				
Bromoform	12.08	0.50	10	0	121	65	135				
Bromomethane	10.24	0.50	10	0	102	65	135				
Carbon disulfide	10.36	0.50	10	0	104	65	135				
Carbon tetrachloride	10.53	0.50	10	0	105	65	135				
Chlorobenzene	12.21	0.50	10	0	122	65	135				
Chloroethane	10.47	0.50	10	0	105	65	135				
Chloroform	11.33	0.50	10	0	113	65	135				
Chloromethane	10.68	0.50	10	0	107	65	135				
cis-1,2-Dichloroethene	10.53	0.50	10	0	105	65	135				
cis-1,3-Dichloropropene	11.28	0.50	10	0	113	65	135				
Cyclohexane	10.79	0.50	10	0	108	65	135				
Dibromochloromethane	10.67	0.50	10	0	107	65	135				
Dichlorodifluoromethane(F-12)	9.990	0.50	10	0	99.9	65	135				
Dichlorotetrafluoroethane(F-114)	11.20	0.50	10	0	112	65	135				
Ethyl Acetate	10.21	0.50	10	0	102	65	135				
Ethylbenzene	12.43	0.50	10	0	124	65	135				
Heptane	10.47	0.50	10	0	105	65	135				
Hexachlorobutadiene	11.11	1.0	10	0	111	65	135				

Qualifiers:

E Value above quantitation range

ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits

J Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT: Mactec

Work Order: 06090615

Project: South Mesa WQARF/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID	LCS-R79063	SampleType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 79063					
Client ID:		Batch ID: R79063	TestNo: TO15		Analysis Date: 9/20/2006	SeqNo: 939789					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Hexane	10.91	0.50	10	0	109	65	135				
m&p-Xylene	24.74	1.0	20	0	124	65	135				
Methyl tert-butyl ether	9.840	1.0	10	0	98.4	65	135				
Methylene chloride	9.920	0.50	10	0	99.2	65	135				
o-Xylene	12.23	0.50	10	0	122	65	135				
Propene (Propylene)	9.870	0.50	10	0	98.7	65	135				
Styrene	12.73	0.50	10	0	127	65	135				
Tetrachloroethene	11.25	0.50	10	0	112	65	135				
Tetrahydrofuran	10.67	2.0	10	0	107	65	135				
Toluene	11.70	0.50	10	0	117	65	135				
trans-1,2-Dichloroethene	10.32	0.50	10	0	103	65	135				
trans-1,3-Dichloropropene	11.48	0.50	10	0	115	65	135				
Trichloroethene	11.59	0.50	10	0	116	65	135				
Trichlorofluoromethane(F-11)	11.09	0.50	10	0	111	65	135				
Trichlorotrifluoroethane(F-113)	10.82	0.50	10	0	108	65	135				
Vinyl acetate	10.20	0.50	10	0	102	65	135				
Vinyl chloride	10.72	0.50	10	0	107	65	135				
Surr: 4-Bromofluorobenzene	10.11	0.50	10	0	101	70	130				

Sample ID	LCSD-R79063	SampleType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 79063						
Client ID:		Batch ID: R79063	TestNo: TO15		Analysis Date: 9/20/2006	SeqNo: 939792						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane	11.36	0.50	10	0	114	65	135	11.41	0.439	25	
1,1,2,2-Tetrachloroethane	8.690	0.50	10	0	86.9	65	135	11.39	26.9	25	R7
1,1,2-Trichloroethane	10.57	0.50	10	0	106	65	135	10.97	3.71	25	
1,1-Dichloroethane	10.46	0.50	10	0	105	65	135	10.37	0.864	25	
1,1-Dichloroethene	11.76	0.50	10	0	118	65	135	11.83	0.593	25	
1,2,4-Trichlorobenzene	8.480	2.0	10	0	84.8	65	135	11.15	27.2	25	R7

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Mactec

Work Order: 06090615

Project: South Mesa WQARF/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID	LCSD-R79063	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 79063					
Client ID:		Batch ID: R79063	TestNo: TO15		Analysis Date: 9/20/2006	SeqNo: 939792					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	9.160	0.50	10	0	91.6	65	135	12.12	27.8	25	R7
1,2-Dibromoethane	10.59	0.50	10	0	106	65	135	10.81	2.06	25	
1,2-Dichlorobenzene	9.080	0.50	10	0	90.8	65	135	11.80	26.1	25	R7
1,2-Dichloroethane	10.35	0.50	10	0	104	65	135	10.48	1.25	25	
1,2-Dichloropropane	10.57	0.50	10	0	106	65	135	10.68	1.04	25	
1,3,5-Trimethylbenzene	9.170	0.50	10	0	91.7	65	135	12.21	28.4	25	R7
1,3-Butadiene	10.48	0.50	10	0	105	65	135	10.45	0.287	25	
1,3-Dichlorobenzene	9.220	0.50	10	0	92.2	65	135	11.90	25.4	25	R7
1,4-Dichlorobenzene	9.260	0.50	10	0	92.6	65	135	12.05	26.2	25	R7
1,4-Dioxane	8.250	5.0	10	0	82.5	65	135	10.40	23.1	25	
2,2,4-Trimethylpentane	10.59	0.50	10	0	106	65	135	10.72	1.22	25	
2-Butanone (MEK)	9.420	1.0	10	0	94.2	65	135	10.27	8.63	25	
2-Hexanone	9.300	1.0	10	0	93.0	65	135	10.44	11.6	25	
2-Propanol	9.400	2.0	10	0	94.0	65	135	10.01	6.29	25	
4-Ethyltoluene	9.180	0.50	10	0	91.8	65	135	12.08	27.3	25	R7
4-Methyl-2-pentanone	9.570	1.0	10	0	95.7	65	135	10.56	9.84	25	
Acetone	9.080	5.0	10	0	90.8	65	135	9.510	4.63	25	
Allyl chloride	10.64	0.50	10	0	106	65	135	10.55	0.849	25	
Benzene	10.81	0.50	10	0	108	65	135	10.90	0.829	25	
Benzyl chloride	8.870	2.0	10	0	88.7	65	135	11.58	26.5	25	R7
Bromodichloromethane	10.31	0.50	10	0	103	65	135	10.57	2.49	25	
Bromoethene(Vinyl Bromide)	10.55	0.50	10	0	106	65	135	10.53	0.190	25	
Bromoform	9.680	0.50	10	0	96.8	65	135	12.08	22.1	25	
Bromomethane	10.84	0.50	10	0	108	65	135	10.24	5.69	25	
Carbon disulfide	10.36	0.50	10	0	104	65	135	10.36	0	25	
Carbon tetrachloride	10.40	0.50	10	0	104	65	135	10.53	1.24	25	
Chlorobenzene	10.22	0.50	10	0	102	65	135	12.21	17.7	25	
Chloroethane	10.57	0.50	10	0	106	65	135	10.47	0.951	25	
Chloroform	11.27	0.50	10	0	113	65	135	11.33	0.531	25	

Qualifiers: E Value above quantitation range
 ND Not Detected at the Reporting Limit

 H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits

 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT: Mactec

Work Order: 06090615

Project: South Mesa WQARF/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID	LCSD-R79063	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 79063						
Client ID:	Batch ID: R79063	Result	TestNo: TO15		Analysis Date: 9/20/2006	SeqNo: 939792						
Analyte			PQL	SPK value	SPK RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Chloromethane		10.81	0.50	10	0	108	65	135	10.68	1.21	25	
cis-1,2-Dichloroethene		10.58	0.50	10	0	106	65	135	10.53	0.474	25	
cis-1,3-Dichloropropene		10.96	0.50	10	0	110	65	135	11.28	2.88	25	
Cyclohexane		10.74	0.50	10	0	107	65	135	10.79	0.464	25	
Dibromochloromethane		10.32	0.50	10	0	103	65	135	10.67	3.33	25	
Dichlorodifluoromethane(F-12)		10.12	0.50	10	0	101	65	135	9.990	1.29	25	
Dichlorotetrafluoroethane(F-114)		11.24	0.50	10	0	112	65	135	11.20	0.357	25	
Ethyl Acetate		9.280	0.50	10	0	92.8	65	135	10.21	9.54	25	
Ethylbenzene		9.750	0.50	10	0	97.5	65	135	12.43	24.2	25	
Heptane		10.16	0.50	10	0	102	65	135	10.47	3.01	25	
Hexachlorobutadiene		8.520	1.0	10	0	85.2	65	135	11.11	26.4	25	R7
Hexane		10.99	0.50	10	0	110	65	135	10.91	0.731	25	
m&p-Xylene		19.16	1.0	20	0	95.8	65	135	24.74	25.4	25	R7
Methyl tert-butyl ether		9.400	1.0	10	0	94.0	65	135	9.840	4.57	25	
Methylene chloride		9.930	0.50	10	0	99.3	65	135	9.920	0.101	25	
o-Xylene		9.380	0.50	10	0	93.8	65	135	12.23	26.4	25	R7
Propene (Propylene)		10.26	0.50	10	0	103	65	135	9.870	3.87	25	
Styrene		9.890	0.50	10	0	98.9	65	135	12.73	25.1	25	R7
Tetrachloroethene		11.03	0.50	10	0	110	65	135	11.25	1.97	25	
Tetrahydrofuran		9.490	2.0	10	0	94.9	65	135	10.67	11.7	25	
Toluene		11.33	0.50	10	0	113	65	135	11.70	3.21	25	
trans-1,2-Dichloroethene		10.42	0.50	10	0	104	65	135	10.32	0.964	25	
trans-1,3-Dichloropropene		11.18	0.50	10	0	112	65	135	11.48	2.65	25	
Trichloroethene		11.35	0.50	10	0	114	65	135	11.59	2.09	25	
Trichlorofluoromethane(F-11)		10.90	0.50	10	0	109	65	135	11.09	1.73	25	
Trichlorotrifluoroethane(F-113)		10.63	0.50	10	0	106	65	135	10.82	1.77	25	
Vinyl acetate		10.05	0.50	10	0	100	65	135	10.20	1.48	25	
Vinyl chloride		10.87	0.50	10	0	109	65	135	10.72	1.39	25	
Surr: 4-Bromofluorobenzene		9.500	0.50	10	0	95.0	70	130	10.11	0	0	

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Aerotech Environmental Laboratories Sample Receipt Checklist

Project Checked By: _____

Laboratory Number: <u>06090615</u>	Checklist completed by: <u>John Flanigan</u>
Client Name: <u>MACTEC</u>	Signature/Date: <u>9/14/05</u>
Matrix: <u>Air</u>	Carrier Name: <u>Mark H.</u>
Date/Time Rec'd: <u>9/14/05</u>	By: <u>JG</u>
Temperature of Samples? <u>Amb</u> °C	Circle one: Blue Ice <input type="checkbox"/> Wet Ice <input type="checkbox"/> <u>Not Present</u> <input checked="" type="checkbox"/>

	Yes	No	Not Present	Soil Containers:
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/>			Glass Sleeve
Custody seals intact on shipping container/cooler?			<input checked="" type="checkbox"/>	Glass Jar
Custody seals intact on sample containers?			<input checked="" type="checkbox"/>	Methanol
Chain of Custody present and relinquished/received properly?	<input checked="" type="checkbox"/>			Plastic Bag
Chain of Custody agrees with sample labels?	<input checked="" type="checkbox"/>			Encore Samplers
Samples in proper containers/bottles?	<input checked="" type="checkbox"/>			
Sample containers intact?	<input checked="" type="checkbox"/>			
All samples received within holding time?	<input checked="" type="checkbox"/>			**See Comment about Chlorine and pH
Is there sufficient sample volume to perform the tests?	<input checked="" type="checkbox"/>			
40ml vials for volatiles & SOCs received with zero headspace?			<input checked="" type="checkbox"/>	
Total number of bottles received: <u>3</u>	If sample media: <u>IL</u>			<u>Canister</u>
If applicable, how many sample bottles were shipped from AEL-Tucson?				<u>N/A</u> <input checked="" type="checkbox"/>

Number of containers received by preservative and by sample number; (If more than 15 samples are rec'd, please continue on separate sheet(s))

Preservative	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A-General	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>												
B-HNO3															
C-H2SO4															
D-HCl															
E-Na2S2O3															
F-NaOH															
G-Sulfide															
H-Na Sulfite															
I-MCAA															
J-Methanol															
K-HAA															
L-Other															

Water pH acceptable upon receipt? Yes ☐ No ☐ N/A ☒

Preservative & pH	pH of samples upon receipt	If pH requires adjustment, list sample number, and reagent ID. number
Metals <2		
Nutrients <2		
Total Phenols <2		
413 (O&G) <2		
418 (TPH) <2		
Cyanide >12		
Sulfide >9		

*Any No response must be detailed in the comments section below. Contact the PM immediately to determine how to proceed.
 Refer to SOP 11-001.04, Section 1.8.6. Continue on back if additional space is needed.

*The holding time for pH and Total Residual Chlorine analysis is immediate. For the most accurate result, the pH and Total Residual Chlorine should be taken in the field within 15 minutes of sampling.



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[] Main Lab - 4645 E. Cotton Center Blvd., Building 3, Suite 189, Phoenix, AZ 85040 602.437.3340 - FAX 623.445.6192
 [] North Phoenix - 1501 W. Knudsen, Phoenix, AZ 85027 623.780.4800 - FAX 623.445.6216
 [] Tucson - 4455 S. Park Ave, Suite 110, Tucson, AZ 85714 520.807.3801 - FAX 520.807.3803
 www.aerovirobiolabs.com or call toll-free 866.772.5227

Lab Number:

02-09-0015

[illegible]



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Aerotech Laboratories, Inc.

Lab Number:

www.aerovirolabs.com or call toll-free 866.772.5227

Customer Number:		Page 1 of 1	
Customer: MASTEC, INC		Sampler: MARK HAMMER	
Address: 3630 E GIER AVE		Project Name: SOUTH MESA WARE	
City, State, Zip: PHX AZ 85040		Project Number: 4972-16-2850, 4.5	
Contact: JIM CLARKE		P.O. Number:	
Phone: 602-437-0250		Fax Results: N	
E-Mail Address: JIMCLARKE@MASTEC.COM		E-Mail Results: N	
Sample Receipt		Turn Around Request	
Temperature _____ Amb: _____ °C	_____ 24 Hours _____ 48 Hours		
Custody Seals: Yes _____ No _____	_____ 72 Hours _____		
Custody Seals Intact: Yes _____ No _____	_____ 5 working Day _____		
Total # of Containers: _____	<input checked="" type="checkbox"/> Standard 10 Working Days		
Subject to scheduling and availability (surcharges apply)			

Sample Information

[illegible]**Instructions / Special Requirements:**

Date: _____ Time: _____

Time: 1205

Samples Relinquished By:

Samples Relinquished

Received By:

Pitt 2.2.11.0
order book 11.0.1

analysis performed is subject to the Terms & Conditions available at www.sarnovitalabs.com or call 866 777 5007 to request a copy.



Aerotech Environmental Laboratories

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Wednesday, October 18, 2006

Jim Clarke
Mactec
3630 East Wier Avenue
Phoenix, AZ 85040

TEL: (602) 437-0250

FAX (602) 437-3675

RE: South Mesa/4972-06-2050.4.5

Order No.: 06100223

Dear Jim Clarke:

Aerotech Environmental, Inc. received 3 sample(s) on 10/5/2006 for the analyses presented in the following report.

This report includes the following information:

- Case Narrative.
- Analytical Report: includes test results, report limit (Limit), any applicable data qualifier (Qual), units, dilution factor (DF), and date analyzed.
- QC Summary Report.

This communication is intended only for the individual or entity to whom it is directed. It may contain information that is privileged, confidential, or otherwise exempt from disclosure under applicable law. Dissemination, distribution, or copying of this communication by anyone other than the intended recipient, or a duly designated employee or agent of such recipient, is prohibited. If you have received this communication in error, please notify us immediately and destroy this message and all attachments thereto. If you have any questions regarding these test results, please do not hesitate to call.

Sincerely,

Tim Trestrail
Project Manager

mt 10/23/06



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 18-Oct-06

CLIENT: Mactec
Project: South Mesa/4972-06-2050.4.5
Lab Order: 06100223

CASE NARRATIVE

Samples were analyzed using methods outlined in references such as:

- Standard Methods for the Examination of Water and Wastewater, 19th Edition, 1995.
- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.
- Methods for the Determination of Organic Compounds in Drinking Water: Supplement III, EPA/600/R-95/131, August 1995.
- Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.
- 40 CFR, Part 136, Revised 1998. Appendix A to Part 136 - Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater.
- NIOSH Manual of Analytical Methods, Fourth Edition, 1994.
- Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.

Aerotech Environmental Laboratories (AEL) holds Arizona certification no. AZ0610.

Aerotech Environmental Laboratories (Laboratory 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.

Analytical Comments:

All method blanks and laboratory control spikes met EPA method and/or laboratory quality control objectives for the analyses included in this report.

Data Qualifiers:

Listed below are the data qualifiers used in your analytical report to explain any analytical or quality control issues. You will find them noted in your report under the column header "QUAL". Any quality control deficiencies that cannot be adequately described by these qualifiers will be addressed in the analytical comments section of this case narrative.

- D2 Sample required dilution due to high concentration of target analyte.
R5 MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 18-Oct-06

CLIENT: Mactec
Lab Order: 06100223
Project: South Mesa/4972-06-2050.4.5
Lab ID: 06100223-01A

Client Sample ID: VW-7B
Tag Number: 1278
Collection Date: 10/4/2006 1:34:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
1,1,1-Trichloroethane	< 5.0	5.0	< 28	28	10	10/6/2006	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	< 35	35	10	10/6/2006	
1,1,2-Trichloroethane	< 5.0	5.0	< 28	28	10	10/6/2006	
1,1-Dichloroethane	11	5.0	45	21	10	10/6/2006	
1,1-Dichloroethene	8.6	5.0	35	20	10	10/6/2006	
1,2,4-Trichlorobenzene	< 20	20	< 150	150	10	10/6/2006	
1,2,4-Trimethylbenzene	< 5.0	5.0	< 25	25	10	10/6/2006	
1,2-Dibromoethane	< 5.0	5.0	< 39	39	10	10/6/2006	
1,2-Dichlorobenzene	< 5.0	5.0	< 31	31	10	10/6/2006	
1,2-Dichloroethane	< 5.0	5.0	< 21	21	10	10/6/2006	
1,2-Dichloropropane	< 5.0	5.0	< 24	24	10	10/6/2006	
1,3,5-Trimethylbenzene	< 5.0	5.0	< 25	25	10	10/6/2006	
1,3-Butadiene	< 5.0	5.0	< 11	11	10	10/6/2006	
1,3-Dichlorobenzene	< 5.0	5.0	< 31	31	10	10/6/2006	
1,4-Dichlorobenzene	< 5.0	5.0	< 31	31	10	10/6/2006	
2,2,4-Trimethylpentane	< 5.0	5.0	< 24	24	10	10/6/2006	
2-Butanone (MEK)	< 10	10	< 30	30	10	10/6/2006	
2-Hexanone	< 10	10	< 42	42	10	10/6/2006	
2-Propanol	< 20	20	< 50	50	10	10/6/2006	
4-Ethyltoluene	< 5.0	5.0	< 22	22	10	10/6/2006	
4-Methyl-2-pentanone	< 10	10	< 42	42	10	10/6/2006	
Acetone	< 50	50	< 120	120	10	10/6/2006	
Allyl chloride	< 5.0	5.0	< 8.0	8.0	10	10/6/2006	
Benzene	< 5.0	5.0	< 16	16	10	10/6/2006	
Benzyl chloride	< 20	20	< 110	110	10	10/6/2006	
Bromodichloromethane	< 5.0	5.0	< 34	34	10	10/6/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Page 1 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 18-Oct-06

CLIENT:	Mactec	Client Sample ID:	VW-7B
Lab Order:	06100223	Tag Number:	1278
Project:	South Mesa/4972-06-2050.4.5	Collection Date:	10/4/2006 1:34:00 PM
Lab ID:	06100223-01A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Bromoethene(Vinyl Bromide)	< 5.0	5.0	< 11	11	10	10/6/2006	
Bromoform	< 5.0	5.0	< 52	52	10	10/6/2006	
Bromomethane	< 5.0	5.0	< 20	20	10	10/6/2006	
Carbon disulfide	< 5.0	5.0	< 16	16	10	10/6/2006	
Carbon tetrachloride	< 5.0	5.0	< 32	32	10	10/6/2006	
Chlorobenzene	< 5.0	5.0	< 24	24	10	10/6/2006	
Chloroethane	< 5.0	5.0	< 13	13	10	10/6/2006	
Chloroform	7.8	5.0	39	25	10	10/6/2006	
Chloromethane	< 5.0	5.0	< 10	10	10	10/6/2006	
cis-1,2-Dichloroethene	< 5.0	5.0	< 20	20	10	10/6/2006	
cis-1,3-Dichloropropene	< 5.0	5.0	< 23	23	10	10/6/2006	
Cyclohexane	< 5.0	5.0	< 17	17	10	10/6/2006	
Dibromochloromethane	< 5.0	5.0	< 43	43	10	10/6/2006	
Dichlorodifluoromethane(F-12)	< 5.0	5.0	< 25	25	10	10/6/2006	
Dichlorotetrafluoroethane(F-114)	< 5.0	5.0	< 36	36	10	10/6/2006	
Ethyl Acetate	< 5.0	5.0	< 18	18	10	10/6/2006	
Ethylbenzene	< 5.0	5.0	< 22	22	10	10/6/2006	
Heptane	< 5.0	5.0	< 21	21	10	10/6/2006	
Hexachlorobutadiene	< 10	10	< 110	110	10	10/6/2006	
Hexane	< 5.0	5.0	< 18	18	10	10/6/2006	
m&p-Xylene	< 10	10	< 44	44	10	10/6/2006	
Methyl tert-butyl ether	< 10	10	< 37	37	10	10/6/2006	
Methylene chloride	< 5.0	5.0	< 18	18	10	10/6/2006	
o-Xylene	< 5.0	5.0	< 22	22	10	10/6/2006	
Propene (Propylene)	< 5.0	5.0	< 8.8	8.8	10	10/6/2006	
Styrene	< 5.0	5.0	< 22	22	10	10/6/2006	

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	* - Value exceeds Maximum Contaminant Level	

Page 2 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 18-Oct-06

CLIENT: Mactec
Lab Order: 06100223
Project: South Mesa/4972-06-2050.4.5
Lab ID: 06100223-01A

Client Sample ID: VW-7B
Tag Number: 1278
Collection Date: 10/4/2006 1:34:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15					Analyst: KPD
Tetrachloroethene	270	5.0	1900	34	D2	10	10/6/2006
Tetrahydrofuran	< 20	20	< 60	60		10	10/6/2006
Toluene	< 5.0	5.0	< 19	19		10	10/6/2006
trans-1,2-Dichloroethene	< 5.0	5.0	< 20	20		10	10/6/2006
trans-1,3-Dichloropropene	< 5.0	5.0	< 23	23		10	10/6/2006
Trichloroethene	< 5.0	5.0	< 28	28		10	10/6/2006
Trichlorofluoromethane(F-11)	< 5.0	5.0	< 28	28		10	10/6/2006
Trichlorotrifluoroethane(F-113)	< 5.0	5.0	< 39	39		10	10/6/2006
Vinyl acetate	< 5.0	5.0	< 18	18		10	10/6/2006
Vinyl chloride	< 5.0	5.0	< 13	13		10	10/6/2006
Surr: 4-Bromofluorobenzene	92.9 %REC	70-130	-	-		10	10/6/2006

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Page 3 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 18-Oct-06

CLIENT: Mactec
Lab Order: 06100223
Project: South Mesa/4972-06-2050.4.5
Lab ID: 06100223-02A

Client Sample ID: INT
Tag Number: 00619
Collection Date: 10/4/2006 1:24:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15		Analyst: KPD			
1,1,1-Trichloroethane	< 2.0	2.0	< 11	11	4	10/6/2006	
1,1,2,2-Tetrachloroethane	< 2.0	2.0	< 14	14	4	10/6/2006	
1,1,2-Trichloroethane	< 2.0	2.0	< 11	11	4	10/6/2006	
1,1-Dichloroethane	19	2.0	78	8.2	4	10/6/2006	
1,1-Dichloroethene	11	2.0	44	8.1	4	10/6/2006	
1,2,4-Trichlorobenzene	< 8.0	8.0	< 60	60	4	10/6/2006	
1,2,4-Trimethylbenzene	11	2.0	55	10	4	10/6/2006	
1,2-Dibromoethane	< 2.0	2.0	< 16	16	4	10/6/2006	
1,2-Dichlorobenzene	< 2.0	2.0	< 12	12	4	10/6/2006	
1,2-Dichloroethane	< 2.0	2.0	< 8.2	8.2	4	10/6/2006	
1,2-Dichloropropane	2.4	2.0	11	9.4	4	10/6/2006	
1,3,5-Trimethylbenzene	2.1	2.0	10	10	4	10/6/2006	
1,3-Butadiene	< 2.0	2.0	< 4.5	4.5	4	10/6/2006	
1,3-Dichlorobenzene	< 2.0	2.0	< 12	12	4	10/6/2006	
1,4-Dichlorobenzene	< 2.0	2.0	< 12	12	4	10/6/2006	
2,2,4-Trimethylpentane	7.1	2.0	34	9.5	4	10/6/2006	
2-Butanone (MEK)	< 4.0	4.0	< 12	12	4	10/6/2006	
2-Hexanone	< 4.0	4.0	< 17	17	4	10/6/2006	
2-Propanol	< 8.0	8.0	< 20	20	4	10/6/2006	
4-Ethyltoluene	2.1	2.0	9.3	8.8	4	10/6/2006	
4-Methyl-2-pentanone	< 4.0	4.0	< 17	17	4	10/6/2006	
Acetone	< 20	20	< 48	48	4	10/6/2006	
Allyl chloride	< 2.0	2.0	< 3.2	3.2	4	10/6/2006	
Benzene	< 2.0	2.0	< 6.5	6.5	4	10/6/2006	
Benzyl chloride	< 8.0	8.0	< 42	42	4	10/6/2006	
Bromodichloromethane	< 2.0	2.0	< 14	14	4	10/6/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

Page 4 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 18-Oct-06

CLIENT: Mactec
Lab Order: 06100223
Project: South Mesa/4972-06-2050.4.5
Lab ID: 06100223-02A

Client Sample ID: INT
Tag Number: 00619
Collection Date: 10/4/2006 1:24:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Bromoethene(Vinyl Bromide)	< 2.0	2.0	< 4.4	4.4	4	10/6/2006	
Bromoform	< 2.0	2.0	< 21	21	4	10/6/2006	
Bromomethane	< 2.0	2.0	< 7.9	7.9	4	10/6/2006	
Carbon disulfide	< 2.0	2.0	< 6.3	6.3	4	10/6/2006	
Carbon tetrachloride	< 2.0	2.0	< 13	13	4	10/6/2006	
Chlorobenzene	< 2.0	2.0	< 9.4	9.4	4	10/6/2006	
Chloroethane	< 2.0	2.0	< 5.4	5.4	4	10/6/2006	
Chloroform	16	2.0	79	9.9	4	10/6/2006	
Chloromethane	< 2.0	2.0	< 4.2	4.2	4	10/6/2006	
cis-1,2-Dichloroethene	9.3	2.0	37	8.0	4	10/6/2006	
cis-1,3-Dichloropropene	< 2.0	2.0	< 9.2	9.2	4	10/6/2006	
Cyclohexane	2.4	2.0	8.4	7.0	4	10/6/2006	
Dibromochloromethane	< 2.0	2.0	< 17	17	4	10/6/2006	
Dichlorodifluoromethane(F-12)	< 2.0	2.0	< 10	10	4	10/6/2006	
Dichlorotetrafluoroethane(F-114)	< 2.0	2.0	< 14	14	4	10/6/2006	
Ethyl Acetate	< 2.0	2.0	< 7.3	7.3	4	10/6/2006	
Ethylbenzene	< 2.0	2.0	< 8.8	8.8	4	10/6/2006	
Heptane	< 2.0	2.0	< 8.3	8.3	4	10/6/2006	
Hexachlorobutadiene	< 4.0	4.0	< 43	43	4	10/6/2006	
Hexane	< 2.0	2.0	< 7.1	7.1	4	10/6/2006	
m&p-Xylene	5.4	4.0	24	18	4	10/6/2006	
Methyl tert-butyl ether	< 4.0	4.0	< 15	15	4	10/6/2006	
Methylene chloride	< 2.0	2.0	< 7.1	7.1	4	10/6/2006	
o-Xylene	3.4	2.0	15	8.8	4	10/6/2006	
Propene (Propylene)	< 2.0	2.0	< 3.5	3.5	4	10/6/2006	
Styrene	< 2.0	2.0	< 8.6	8.6	4	10/6/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

Page 5 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 18-Oct-06

CLIENT: Mactec
Lab Order: 06100223
Project: South Mesa/4972-06-2050.4.5
Lab ID: 06100223-02A

Client Sample ID: INT
Tag Number: 00619
Collection Date: 10/4/2006 1:24:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Tetrachloroethene	140	2.0	970	14	D2	4	10/6/2006
Tetrahydrofuran	11	8.0	33	24		4	10/6/2006
Toluene	3.2	2.0	12	7.7		4	10/6/2006
trans-1,2-Dichloroethene	< 2.0	2.0	< 8.0	8.0		4	10/6/2006
trans-1,3-Dichloropropene	< 2.0	2.0	< 9.2	9.2		4	10/6/2006
Trichloroethene	2.2	2.0	12	11		4	10/6/2006
Trichlorofluoromethane(F-11)	4.7	2.0	27	11		4	10/6/2006
Trichlorotrifluoroethane(F-113)	< 2.0	2.0	< 16	16		4	10/6/2006
Vinyl acetate	< 2.0	2.0	< 7.1	7.1		4	10/6/2006
Vinyl chloride	< 2.0	2.0	< 5.2	5.2		4	10/6/2006
Surr: 4-Bromofluorobenzene	103 %REC	70-130	-	-		4	10/6/2006

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Page 6 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 18-Oct-06

CLIENT: Mactec
Lab Order: 06100223
Project: South Mesa/4972-06-2050.4.5
Lab ID: 06100223-03A

Client Sample ID: EFF
Tag Number: 1286
Collection Date: 10/4/2006 1:17:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
1,1,1-Trichloroethane	< 0.50	0.50	< 2.8	2.8	1	10/6/2006	
1,1,2,2-Tetrachloroethane	< 0.50	0.50	< 3.5	3.5	1	10/6/2006	
1,1,2-Trichloroethane	< 0.50	0.50	< 2.8	2.8	1	10/6/2006	
1,1-Dichloroethane	< 0.50	0.50	< 2.1	2.1	1	10/6/2006	
1,1-Dichloroethene	< 0.50	0.50	< 2.0	2.0	1	10/6/2006	
1,2,4-Trichlorobenzene	< 2.0	2.0	< 15	15	1	10/6/2006	
1,2,4-Trimethylbenzene	14	0.50	70	2.5	1	10/6/2006	
1,2-Dibromoethane	< 0.50	0.50	< 3.9	3.9	1	10/6/2006	
1,2-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1	10/6/2006	
1,2-Dichloroethane	< 0.50	0.50	< 2.1	2.1	1	10/6/2006	
1,2-Dichloropropane	< 0.50	0.50	< 2.4	2.4	1	10/6/2006	
1,3,5-Trimethylbenzene	2.9	0.50	14	2.5	1	10/6/2006	
1,3-Butadiene	< 0.50	0.50	< 1.1	1.1	1	10/6/2006	
1,3-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1	10/6/2006	
1,4-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1	10/6/2006	
2,2,4-Trimethylpentane	0.75	0.50	3.6	2.4	1	10/6/2006	
2-Butanone (MEK)	3.8	1.0	11	3.0	1	10/6/2006	
2-Hexanone	< 1.0	1.0	< 4.2	4.2	1	10/6/2006	
2-Propanol	7.3	2.0	18	5.0	1	10/6/2006	
4-Ethyltoluene	5.9	0.50	26	2.2	1	10/6/2006	
4-Methyl-2-pentanone	< 1.0	1.0	< 4.2	4.2	1	10/6/2006	
Acetone	14	5.0	34	12	1	10/6/2006	
Allyl chloride	< 0.50	0.50	< 0.80	0.80	1	10/6/2006	
Benzene	0.97	0.50	3.2	1.6	1	10/6/2006	
Benzyl chloride	< 2.0	2.0	< 11	11	1	10/6/2006	
Bromodichloromethane	< 0.50	0.50	< 3.4	3.4	1	10/6/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

Page 7 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 18-Oct-06

CLIENT: Mactec
Lab Order: 06100223
Project: South Mesa/4972-06-2050.4.5
Lab ID: 06100223-03A

Client Sample ID: EFF
Tag Number: 1286
Collection Date: 10/4/2006 1:17:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Bromoethene(Vinyl Bromide)	< 0.50	0.50	< 1.1	1.1	1	10/6/2006	
Bromoform	< 0.50	0.50	< 5.2	5.2	1	10/6/2006	
Bromomethane	< 0.50	0.50	< 2.0	2.0	1	10/6/2006	
Carbon disulfide	< 0.50	0.50	< 1.6	1.6	1	10/6/2006	
Carbon tetrachloride	< 0.50	0.50	< 3.2	3.2	1	10/6/2006	
Chlorobenzene	< 0.50	0.50	< 2.4	2.4	1	10/6/2006	
Chloroethane	< 0.50	0.50	< 1.3	1.3	1	10/6/2006	
Chloroform	< 0.50	0.50	< 2.5	2.5	1	10/6/2006	
Chloromethane	< 0.50	0.50	< 1.0	1.0	1	10/6/2006	
cis-1,2-Dichloroethene	< 0.50	0.50	< 2.0	2.0	1	10/6/2006	
cis-1,3-Dichloropropene	< 0.50	0.50	< 2.3	2.3	1	10/6/2006	
Cyclohexane	< 0.50	0.50	< 1.7	1.7	1	10/6/2006	
Dibromochloromethane	< 0.50	0.50	< 4.3	4.3	1	10/6/2006	
Dichlorodifluoromethane(F-12)	0.77	0.50	3.9	2.5	1	10/6/2006	
Dichlorotetrafluoroethane(F-114)	< 0.50	0.50	< 3.6	3.6	1	10/6/2006	
Ethyl Acetate	< 0.50	0.50	< 1.8	1.8	1	10/6/2006	
Ethylbenzene	2.4	0.50	11	2.2	1	10/6/2006	
Heptane	0.66	0.50	2.7	2.1	1	10/6/2006	
Hexachlorobutadiene	< 1.0	1.0	< 11	11	1	10/6/2006	
Hexane	0.56	0.50	2.0	1.8	1	10/6/2006	
m&p-Xylene	11	1.0	48	4.4	1	10/6/2006	
Methyl tert-butyl ether	< 1.0	1.0	< 3.7	3.7	1	10/6/2006	
Methylene chloride	< 0.50	0.50	< 1.8	1.8	1	10/6/2006	
o-Xylene	5.1	0.50	22	2.2	1	10/6/2006	
Propene (Propylene)	< 0.50	0.50	< 0.88	0.88	1	10/6/2006	
Styrene	< 0.50	0.50	< 2.2	2.2	1	10/6/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 8 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 18-Oct-06

CLIENT:	Mactec	Client Sample ID:	EFF
Lab Order:	06100223	Tag Number:	1286
Project:	South Mesa/4972-06-2050.4.5	Collection Date:	10/4/2006 1:17:00 PM
Lab ID:	06100223-03A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: KPD				
Tetrachloroethene	< 0.50	0.50	< 3.4	3.4	1		10/6/2006
Tetrahydrofuran	9.8	2.0	29	6.0	1		10/6/2006
Toluene	6.2	0.50	24	1.9	1		10/6/2006
trans-1,2-Dichloroethene	< 0.50	0.50	< 2.0	2.0	1		10/6/2006
trans-1,3-Dichloropropene	< 0.50	0.50	< 2.3	2.3	1		10/6/2006
Trichloroethene	< 0.50	0.50	< 2.8	2.8	1		10/6/2006
Trichlorofluoromethane(F-11)	< 0.50	0.50	< 2.8	2.8	1		10/6/2006
Trichlorotrifluoroethane(F-113)	< 0.50	0.50	< 3.9	3.9	1		10/6/2006
Vinyl acetate	< 0.50	0.50	< 1.8	1.8	1		10/6/2006
Vinyl chloride	< 0.50	0.50	< 1.3	1.3	1		10/6/2006
Surr: 4-Bromofluorobenzene	104 %REC	70-130	-	-	1		10/6/2006

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Page 9 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental, Inc.

Date: 13-Oct-06

CLIENT: Mactec

Work Order: 06100223

Project: South Mesa/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R79710	SampleType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 79710						
Client ID:	Batch ID: R79710	TestNo: TO15		Analysis Date: 10/6/2006	SeqNo: 946736						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	<0.50	0.50									
1,1,2,2-Tetrachloroethane	<0.50	0.50									
1,1,2-Trichloroethane	<0.50	0.50									
1,1-Dichloroethane	<0.50	0.50									
1,1-Dichloroethene	<0.50	0.50									
1,2,4-Trichlorobenzene	<2.0	2.0									
1,2,4-Trimethylbenzene	<0.50	0.50									
1,2-Dibromoethane	<0.50	0.50									
1,2-Dichlorobenzene	<0.50	0.50									
1,2-Dichloroethane	<0.50	0.50									
1,2-Dichloropropane	<0.50	0.50									
1,3,5-Trimethylbenzene	<0.50	0.50									
1,3-Butadiene	<0.50	0.50									
1,3-Dichlorobenzene	<0.50	0.50									
1,4-Dichlorobenzene	<0.50	0.50									
2,2,4-Trimethylpentane	<0.50	0.50									
2-Butanone (MEK)	<1.0	1.0									
2-Hexanone	<1.0	1.0									
2-Propanol	<2.0	2.0									
4-Ethyltoluene	<0.50	0.50									
4-Methyl-2-pentanone	<1.0	1.0									
Acetone	<5.0	5.0									
Allyl chloride	<0.50	0.50									
Benzene	<0.50	0.50									
Benzyl chloride	<2.0	2.0									
Bromodichloromethane	<0.50	0.50									
Bromoethene(Vinyl Bromide)	<0.50	0.50									
Bromoform	<0.50	0.50									

Qualifiers: E Value above quantitation range

ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits

J Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT:

Mactec

Work Order:

06100223

Project:

South Mesa/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R79710	SampleType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 79710						
Client ID:	Batch ID: R79710	TestNo: TO15		Analysis Date: 10/8/2006	SeqNo: 946736						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Bromomethane	<0.50	0.50									
Carbon disulfide	<0.50	0.50									
Carbon tetrachloride	<0.50	0.50									
Chlorobenzene	<0.50	0.50									
Chloroethane	<0.50	0.50									
Chloroform	<0.50	0.50									
Chloromethane	<0.50	0.50									
cis-1,2-Dichloroethene	<0.50	0.50									
cis-1,3-Dichloropropene	<0.50	0.50									
Cyclohexane	<0.50	0.50									
Dibromochloromethane	<0.50	0.50									
Dichlorodifluoromethane(F-12)	<0.50	0.50									
Dichlorotetrafluoroethane(F-114)	<0.50	0.50									
Ethyl Acetate	<0.50	0.50									
Ethylbenzene	<0.50	0.50									
Heptane	<0.50	0.50									
Hexachlorobutadiene	<1.0	1.0									
Hexane	<0.50	0.50									
m&p-Xylene	<1.0	1.0									
Methyl tert-butyl ether	<1.0	1.0									
Methylene chloride	<0.50	0.50									
o-Xylene	<0.50	0.50									
Propene (Propylene)	<0.50	0.50									
Styrene	<0.50	0.50									
Tetrachloroethene	<0.50	0.50									
Tetrahydrofuran	<2.0	2.0									
Toluene	<0.50	0.50									
trans-1,2-Dichloroethene	<0.50	0.50									
trans-1,3-Dichloropropene	<0.50	0.50									

Qualifiers: E Value above quantitation range

ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

Page 2 of 7



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT:

Mactec

Work Order: 06100223

Project: South Mesa/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R79710	SampleType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 79710						
Client ID:	Batch ID: R79710	TestNo: TO15		Analysis Date: 10/6/2006	SeqNo: 946736						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichloroethene	<0.50	0.50									
Trichlorofluoromethane(F-11)	<0.50	0.50									
Trichlorotrifluoroethane(F-113)	<0.50	0.50									
Vinyl acetate	<0.50	0.50									
Vinyl chloride	<0.50	0.50									
Surr: 4-Bromofluorobenzene	10.33	0.50	10	0	103	70	130				

Sample ID: LCS-R79710	SampleType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 79710						
Client ID:	Batch ID: R79710	TestNo: TO15		Analysis Date: 10/6/2006	SeqNo: 946750						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane	9.190	0.50	10	0	91.9	65	135				
1,1,2,2-Tetrachloroethane	9.540	0.50	10	0	95.4	65	135				
1,1,2-Trichloroethane	10.24	0.50	10	0	102	65	135				
1,1-Dichloroethane	9.520	0.50	10	0	95.2	65	135				
1,1-Dichloroethene	9.380	0.50	10	0	93.8	65	135				
1,2,4-Trichlorobenzene	9.710	2.0	10	0	97.1	65	135				
1,2,4-Trimethylbenzene	9.950	0.50	10	0	99.5	65	135				
1,2-Dibromoethane	10.50	0.50	10	0	105	65	135				
1,2-Dichlorobenzene	10.04	0.50	10	0	100	65	135				
1,2-Dichloroethane	9.220	0.50	10	0	92.2	65	135				
1,2-Dichloropropane	10.00	0.50	10	0	100	65	135				
1,3,5-Trimethylbenzene	9.840	0.50	10	0	98.4	65	135				
1,3-Butadiene	8.540	0.50	10	0	85.4	65	135				
1,3-Dichlorobenzene	10.00	0.50	10	0	100	65	135				
1,4-Dichlorobenzene	10.18	0.50	10	0	102	65	135				
2,2,4-Trimethylpentane	9.420	0.50	10	0	94.2	65	135				
2-Butanone (MEK)	10.71	1.0	10	0	107	65	135				
2-Hexanone	11.03	1.0	10	0	110	65	135				

Qualifiers: E Value above quantitation range

ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits

J Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT: Mactec

Work Order: 06100223

Project: South Mesa/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R79710	Batch ID: R79710	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 79710					
Client ID:			TestNo: TO15		Analysis Date: 10/6/2006	SeqNo: 946750					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Propanol	10.35	2.0	10	0	104	65	135				
4-Ethyltoluene	9.990	0.50	10	0	99.9	65	135				
4-Methyl-2-pentanone	11.17	1.0	10	0	112	65	135				
Acetone	10.04	5.0	10	0	100	65	135				
Allyl chloride	9.770	0.50	10	0	97.7	65	135				
Benzene	9.710	0.50	10	0	97.1	65	135				
Benzyl chloride	10.56	2.0	10	0	106	65	135				
Bromodichloromethane	9.510	0.50	10	0	95.1	65	135				
Bromoethene(Vinyl Bromide)	8.440	0.50	10	0	84.4	65	135				
Bromoform	9.880	0.50	10	0	98.8	65	135				
Bromomethane	8.760	0.50	10	0	87.6	65	135				
Carbon disulfide	9.620	0.50	10	0	96.2	65	135				
Carbon tetrachloride	9.380	0.50	10	0	93.8	65	135				
Chlorobenzene	10.07	0.50	10	0	101	65	135				
Chloroethane	8.450	0.50	10	0	84.5	65	135				
Chloroform	9.150	0.50	10	0	91.5	65	135				
Chloromethane	8.700	0.50	10	0	87.0	65	135				
cis-1,2-Dichloroethene	9.810	0.50	10	0	98.1	65	135				
cis-1,3-Dichloropropene	10.33	0.50	10	0	103	65	135				
Cyclohexane	9.540	0.50	10	0	95.4	65	135				
Dibromochloromethane	10.15	0.50	10	0	102	65	135				
Dichlorodifluoromethane(F-12)	9.330	0.50	10	0	93.3	65	135				
Dichlorotetrafluoroethane(F-114)	8.930	0.50	10	0	89.3	65	135				
Ethyl Acetate	10.11	0.50	10	0	101	65	135				
Ethylbenzene	10.16	0.50	10	0	102	65	135				
Heptane	9.230	0.50	10	0	92.3	65	135				
Hexachlorobutadiene	9.700	1.0	10	0	97.0	65	135				
Hexane	9.560	0.50	10	0	95.6	65	135				
m&p-Xylene	19.53	1.0	20	0	97.6	65	135				

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Page 4 of 7



Aerotech Environmental Laboratories

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CLIENT: Mactec

Work Order: 06100223

Project: South Mesa/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R79710	SampleType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 79710						
Client ID:	Batch ID: R79710	TestNo: TO15		Analysis Date: 10/6/2006	SeqNo: 946750						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Methyl tert-butyl ether	10.66	1.0	10	0	107	65	135				
Methylene chloride	9.160	0.50	10	0	91.6	65	135				
o-Xylene	9.780	0.50	10	0	97.8	65	135				
Propene (Propylene)	9.000	0.50	10	0	90.0	65	135				
Styrene	10.21	0.50	10	0	102	65	135				
Tetrachloroethene	9.910	0.50	10	0	99.1	65	135				
Tetrahydrofuran	10.20	2.0	10	0	102	65	135				
Toluene	10.62	0.50	10	0	106	65	135				
trans-1,2-Dichloroethene	10.05	0.50	10	0	100	65	135				
trans-1,3-Dichloropropene	10.43	0.50	10	0	104	65	135				
Trichloroethene	9.680	0.50	10	0	96.8	65	135				
Trichlorofluoromethane(F-11)	9.500	0.50	10	0	95.0	65	135				
Trichlorotrifluoroethane(F-113)	9.670	0.50	10	0	96.7	65	135				
Vinyl acetate	9.870	0.50	10	0	98.7	65	135				
Vinyl chloride	8.800	0.50	10	0	88.0	65	135				
Surr: 4-Bromofluorobenzene	10.20	0.50	10	0	102	70	130				

Sample ID: LCSD-R79710		SampType: LCSD		TestCode: TO15		Units: ppbv		Prep Date:		RunNo: 79710	
Client ID:		Batch ID: R79710		TestNo: TO15		Analysis Date: 10/6/2006					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	8.860	0.50	10	0	88.6	65	135	9.190	3.66	25	
1,1,2,2-Tetrachloroethane	8.650	0.50	10	0	86.5	65	135	9.540	9.79	25	
1,1,2-Trichloroethane	9.680	0.50	10	0	96.8	65	135	10.24	5.62	25	
1,1-Dichloroethane	8.950	0.50	10	0	89.5	65	135	9.520	6.17	25	
1,1-Dichloroethene	8.900	0.50	10	0	89.0	65	135	9.380	5.25	25	
1,2,4-Trichlorobenzene	8.820	2.0	10	0	88.2	65	135	9.710	9.61	25	
1,2,4-Trimethylbenzene	9.000	0.50	10	0	90.0	65	135	9.950	10.0	25	
1,2-Dibromoethane	9.990	0.50	10	0	99.9	65	135	10.50	4.98	25	

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT: Mactec

Work Order: 06100223

Project: South Mesa/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCSD-R79710	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 79710						
Client ID:	Batch ID: R79710	TestNo: TO15		Analysis Date: 10/6/2006	SeqNo: 946752						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichlorobenzene	9.080	0.50	10	0	90.8	65	135	10.04	10.0	25	
1,2-Dichloroethane	8.930	0.50	10	0	89.3	65	135	9.220	3.20	25	
1,2-Dichloropropane	9.420	0.50	10	0	94.2	65	135	10.00	5.97	25	
1,3,5-Trimethylbenzene	8.990	0.50	10	0	89.9	65	135	9.840	9.03	25	
1,3-Butadiene	8.140	0.50	10	0	81.4	65	135	8.540	4.80	25	
1,3-Dichlorobenzene	9.190	0.50	10	0	91.9	65	135	10.00	8.44	25	
1,4-Dichlorobenzene	9.310	0.50	10	0	93.1	65	135	10.18	8.93	25	
2,2,4-Trimethylpentane	9.020	0.50	10	0	90.2	65	135	9.420	4.34	25	
2-Butanone (MEK)	8.860	1.0	10	0	88.6	65	135	10.71	18.9	26	R5
2-Hexanone	7.880	1.0	10	0	78.8	65	135	11.03	33.3	26	
2-Propanol	9.540	2.0	10	0	95.4	65	135	10.35	8.14	25	
4-Ethyltoluene	9.030	0.50	10	0	90.3	65	135	9.990	10.1	25	
4-Methyl-2-pentanone	7.840	1.0	10	0	78.4	65	135	11.17	35.0	25	R5
Acetone	8.620	5.0	10	0	86.2	65	135	10.04	15.2	25	
Allyl chloride	8.980	0.50	10	0	89.8	65	135	9.770	8.43	25	
Benzene	9.020	0.50	10	0	90.2	65	135	9.710	7.37	25	
Benzyl chloride	9.130	2.0	10	0	91.3	65	135	10.56	14.5	25	
Bromodichloromethane	9.380	0.50	10	0	93.8	65	135	9.510	1.38	25	
Bromoethene(Vinyl Bromide)	8.520	0.50	10	0	85.2	65	135	8.440	0.943	25	
Bromoform	9.270	0.50	10	0	92.7	65	135	9.880	6.37	25	
Bromomethane	8.410	0.50	10	0	84.1	65	135	8.760	4.08	25	
Carbon disulfide	8.900	0.50	10	0	89.0	65	135	9.620	7.78	25	
Carbon tetrachloride	9.190	0.50	10	0	91.9	65	135	9.380	2.05	25	
Chlorobenzene	9.480	0.50	10	0	94.8	65	135	10.07	6.04	25	
Chloroethane	8.360	0.50	10	0	83.6	65	135	8.450	1.07	25	
Chloroform	8.620	0.50	10	0	86.2	65	135	9.150	5.97	25	
Chloromethane	8.450	0.50	10	0	84.5	65	135	8.700	2.92	25	
cis-1,2-Dichloroethene	9.240	0.50	10	0	92.4	65	135	9.810	5.98	25	
cis-1,3-Dichloropropene	9.730	0.50	10	0	97.3	65	135	10.33	5.98	25	

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Page 6 of 7



Aerotech Environmental Laboratories

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CLIENT:

Mactec

Work Order: 06100223

Project: South Mesa/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCSD-R79710	Batch ID: R79710	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 79710					
Client ID:	Batch ID: R79710		TestNo: TO15		Analysis Date: 10/6/2006	SeqNo: 946752					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyclohexane	8.860	0.50	10	0	88.6	65	135	9.540	7.39	25	
Dibromochloromethane	9.910	0.50	10	0	99.1	65	135	10.15	2.39	25	
Dichlorodifluoromethane(F-12)	9.050	0.50	10	0	90.5	65	135	9.330	3.05	25	
Dichlorotetrafluoroethane(F-114)	8.740	0.50	10	0	87.4	65	135	8.930	2.15	25	
Ethyl Acetate	8.750	0.50	10	0	87.5	65	135	10.11	14.4	25	
Ethylbenzene	9.120	0.50	10	0	91.2	65	135	10.16	10.8	25	
Heptane	9.090	0.50	10	0	90.9	65	135	9.230	1.53	25	
Hexachlorobutadiene	9.060	1.0	10	0	90.6	65	135	9.700	6.82	25	
Hexane	8.750	0.50	10	0	87.5	65	135	9.560	8.85	25	
m&p-Xylene	18.16	1.0	20	0	90.8	65	135	19.53	7.27	25	
Methyl tert-butyl ether	8.830	1.0	10	0	88.3	65	135	10.66	18.8	25	
Methylene chloride	8.790	0.50	10	0	87.9	65	135	9.160	4.12	25	
o-Xylene	8.860	0.50	10	0	88.6	65	135	9.780	9.87	25	
Propene (Propylene)	8.400	0.50	10	0	84.0	65	135	9.000	6.90	25	
Styrene	9.210	0.50	10	0	92.1	65	135	10.21	10.3	25	
Tetrachloroethene	9.880	0.50	10	0	98.8	65	135	9.910	0.303	25	
Tetrahydrofuran	8.270	2.0	10	0	82.7	65	135	10.20	20.9	25	
Toluene	9.930	0.50	10	0	99.3	65	135	10.62	6.72	25	
trans-1,2-Dichloroethene	9.270	0.50	10	0	92.7	65	135	10.05	8.07	25	
trans-1,3-Dichloropropene	9.570	0.50	10	0	95.7	65	135	10.43	8.60	25	
Trichloroethene	9.430	0.50	10	0	94.3	65	135	9.680	2.62	25	
Trichlorofluoromethane(F-11)	9.400	0.50	10	0	94.0	65	135	9.500	1.06	25	
Trichlorotrifluoroethane(F-113)	9.340	0.50	10	0	93.4	65	135	9.670	3.47	25	
Vinyl acetate	8.650	0.50	10	0	86.5	65	135	9.870	13.2	25	
Vinyl chloride	8.430	0.50	10	0	84.3	65	135	8.800	4.29	25	
Surr: 4-Bromofluorobenzene	10.44	0.50	10	0	104	70	130	10.20	0	0	

Qualifiers:

E Value above quantitation range

ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits

J Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits

Aerotech Environmental Laboratories Sample Receipt Checklist

Project checked by: _____

Laboratory Number: <u>06100223</u>		Checklist completed by: <u>Peter Floyd</u>	
Client Name: <u>Mactec</u>		Signature/Date <u>Peter Floyd</u> <u>10/5/06</u>	
Matrix: <u>Air</u>	Carrier Name: <u>Mark Hammer</u>	Date/Time Rec'd: <u>10/5/06 1005</u>	By: <u>JG</u>

 Temperature of Samples? Ambient Circle one: Blue Ice Wet Ice Not Present

	Yes	No*	Not Present	Soil Containers:
Shipping container/cooler in good condition?	<u>X</u>			Brass Sleeve _____
Custody seals intact on shipping container/cooler?			<u>X</u>	Glass Jar _____
Custody seals intact on sample containers?			<u>X</u>	Methanol _____
Chain of Custody present and relinquished/received properly?	<u>X</u>			Plastic Bag _____
Chain of Custody agrees with sample labels?	<u>X</u>			Encore Samplers _____
Samples in proper containers/bottles?	<u>X</u>			
Sample containers intact?	<u>X</u>			
All samples received within holding time?	<u>X</u>			
Is there sufficient sample volume to perform the tests?	<u>X</u>			
40mL vials for volatiles & SOCs received with zero headspace?			<u>X</u>	
Total number of bottles received: <u>3</u>	IH sample media: <u>1 L Canister</u>			
If applicable, how many sample bottles were shipped from AEL-Tucson?	N/A <u>X</u>			

Number of containers received by preservative and by sample number: (If more than 15 samples are rec'd, please continue on separate sheet(s))

Preservative	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A-General	<u>1</u>	<u>1</u>	<u>1</u>												
B-HNO3															
C-H2SO4															
D-HCl															
E-Na2S2O3															
F-NaOH															
G-Sulfide															
H-Na Sulfite															
I-MCAA															
J-Methanol															
K-HAA															
L-Other															

 Water-pH acceptable upon receipt? Yes No N/A X

Preservative & pH	pH of samples upon receipt	If pH requires adjustment, list sample number, and reagent ID, number
Metals <2		
Nutrients <2		
Total Phenols <2		
413 (O&G) <2		
418 (TPH) <2		
Cyanide >12		
Sulfide >9		

*Any No response must be detailed in the comments section below. Contact the PM immediately to determine how to proceed. Refer to SOP 11-001.04, Section 1.8.6. Continue on back if additional space is needed.

**The holding time for pH and Total Residual Chlorine analysis is immediate. For the most accurate result, the pH and Total Residual Chlorine should be taken in the field within 15 minutes of sampling.

Comments:

Corrective Action:



a division of Aerotech Laboratories, Inc.

() Main Lab - 4645 E. Cotton Center Blvd., Building 3, Suite 189, Phoenix, AZ 85040 602.437.3340 • FAX 623.445.6192.

[] North Phoenix - 1501 W. Knudsen, Phoenix, AZ 85027 623.780.4800 - FAX 623.445.6216

[] Tucson • 4455 S. Park Ave, Suite 110, Tucson, AZ 85714 520.807.3801 - FAX 520.807.3803

www.aeroenvirolabs.com or call toll-free 866.772.5227

[illegible]

Instructions / Special Requirements:

Date: _____ Time: _____

Samples Relinquished By:

Received By:

Analysis performed is subject to the Terms & Conditions available at www.aerovirolabs.com or call 866.772.5227 to request a copy.



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Tuesday, November 21, 2006

Jim Clarke

Mactec

3630 East Wier Avenue

Phoenix, AZ 85040

TEL: (602) 437-0250

FAX (602) 437-3675

RE: South Mesa WQARF/4972-06-2050.4.5

Dear Jim Clarke:

Aerotech Environmental Laboratories received 3 sample(s) on 11/6/2006 for the analyses presented in the following report.

This report includes the following information:

- Case Narrative.
- Analytical Report: includes test results, report limit (Limit), any applicable data qualifier (Qual), units, dilution factor (DF), and date analyzed.
- QC Summary Report.

This communication is intended only for the individual or entity to whom it is directed. It may contain information that is privileged, confidential, or otherwise exempt from disclosure under applicable law. Dissemination, distribution, or copying of this communication by anyone other than the intended recipient, or a duly designated employee or agent of such recipient, is prohibited. If you have received this communication in error, please notify us immediately and destroy this message and all attachments thereto. If you have any questions regarding these test results, please do not hesitate to call.

Sincerely,

Tim Trestail

Project Manager

me 11(3.106



Aerotech Environmental Laboratories

Date: 21-Nov-06

CASE NARRATIVE

Lab Order: 06110165

Project: South Mesa WQARF/4972-06-2050.4.5

CLIENT: Mactec

Samples were analyzed using methods outlined in references such as:

- Standard Methods for the Examination of Water and Wastewater, 19th Edition, 1995.
- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.
- Methods for the Determination of Organic Compounds in Drinking Water: Supplement III, EPA/600/R-95/131, August 1995.
- Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.
- 40 CFR, Part 136, Revised 1998. Appendix A to Part 136 - Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater.
- NIOSH Manual of Analytical Methods, Fourth Edition, 1994.
- Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.

Aerotech Environmental Laboratories (AEL) holds Arizona certification no. AZ0610.

Aerotech Environmental Laboratories (Laboratory 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.

Analytical Comments:

All method blanks and laboratory control spikes met EPA method and/or laboratory quality control objectives for the analyses included in this report.

Data Qualifiers:

Listed below are the data qualifiers used in your analytical report to explain any analytical or quality control issues. You will find them noted in your report under the column header "QUAL". Any quality control deficiencies that cannot be adequately described by these qualifiers will be addressed in the analytical comments section of this case narrative.

D2 Sample required dilution due to high concentration of target analyte.



AeroTech Environmental Laboratories

a division of AeroTech Laboratories, Inc.

AeroTech Environmental Laboratories

Date: 21-Nov-06

CLIENT: Mactec
Lab Order: 06110165
Project: South Mesa WQARF/4972-06-2050.4.5
Lab ID: 06110165-01A
Client Sample ID: EFF
Tag Number: 00168
Collection Date: 11/2/2006 4:30:00 PM
Matrix: AIR

Analyses		ppbv		µg/m ³		Date Analyzed	
Result	Limit	Result	Limit	Qual	DF		

VOLATILE ORGANICS IN AIR

TO15

Analyst: KPD

1,1,1-Trichloroethane	< 0.50	0.50	< 2.8	2.8	1	11/8/2006
1,1,2,2-Tetrachloroethane	< 0.50	0.50	< 3.5	3.5	1	11/8/2006
1,1,2-Trichloroethane	< 0.50	0.50	< 2.8	2.8	1	11/8/2006
1,1-Dichloroethane	< 0.50	0.50	< 2.1	2.1	1	11/8/2006
1,1-Dichloroethene	< 0.50	0.50	< 2.0	2.0	1	11/8/2006
1,2,4-Trichlorobenzene	< 2.0	2.0	< 15	15	1	11/8/2006
1,2,4-Trimethylbenzene	4.5	0.50	22	2.5	1	11/8/2006
1,2-Dibromomethane	< 0.50	0.50	< 3.9	3.9	1	11/8/2006
1,2-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1	11/8/2006
1,2-Dichloroethane	< 0.50	0.50	< 2.1	2.1	1	11/8/2006
1,2-Dichloropropane	< 0.50	0.50	< 2.4	2.4	1	11/8/2006
1,3,5-Trimethylbenzene	0.91	0.50	4.5	2.5	1	11/8/2006
1,3-Butadiene	< 0.50	0.50	< 1.1	1.1	1	11/8/2006
1,3-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1	11/8/2006
1,4-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1	11/8/2006
2,2,4-Trimethylpentane	< 0.50	0.50	< 2.4	2.4	1	11/8/2006
2-Butanone (MEK)	< 1.0	1.0	< 3.0	3.0	1	11/8/2006
2-Hexanone	< 1.0	1.0	< 4.2	4.2	1	11/8/2006
2-Propanol	< 2.0	2.0	< 5.0	5.0	1	11/8/2006
4-Ethyltoluene	1.0	0.50	4.4	2.2	1	11/8/2006
4-Methyl-2-pentanone	< 1.0	1.0	< 4.2	4.2	1	11/8/2006
Acetone	8.6	5.0	21	12	1	11/8/2006
Allyl chloride	< 0.50	0.50	< 0.80	0.80	1	11/8/2006
Benzene	< 0.50	0.50	< 1.6	1.6	1	11/8/2006
Benzyl chloride	< 2.0	2.0	< 11	11	1	11/8/2006
Bromodichloromethane	< 0.50	0.50	< 3.4	3.4	1	11/8/2006

Qualifiers:

- ND - Not Detected at the Reporting Limit
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- * - Value exceeds Maximum Contaminant Level
- B - Analyte detected in the associated Method Blank
- J - Analyte detected below quantitation limits



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 21-Nov-06

CLIENT:	Mactec	Client Sample ID: EFF
Lab Order:	06110165	Tag Number: 00168
Project:	South Mesa WQARF/4972-06-2050.4.5	Collection Date: 11/2/2006 4:30:00 PM
Lab ID:	06110165-01A	Matrix: AIR

Analyses		ppbv		µg/m³		DF	Date Analyzed
Result	Limit	Result	Limit	Result	Limit		

VOLATILE ORGANICS IN AIR

TO15

Analyst: KPD

Bromoethene(Vinyl Bromide)	< 0.50	0.50	< 1.1	1.1	1	11/8/2006
Bromomethane	< 0.50	0.50	< 2.0	2.0	1	11/8/2006
Carbon disulfide	< 0.50	0.50	< 1.6	1.6	1	11/8/2006
Carbon tetrachloride	< 0.50	0.50	< 3.2	3.2	1	11/8/2006
Chlorobenzene	< 0.50	0.50	< 2.4	2.4	1	11/8/2006
Chloroethane	< 0.50	0.50	< 1.3	1.3	1	11/8/2006
Chloroform	< 0.50	0.50	< 2.5	2.5	1	11/8/2006
Chloromethane	0.67	0.50	1.4	1.0	1	11/8/2006
cis-1,2-Dichloroethene	< 0.50	0.50	< 2.0	2.0	1	11/8/2006
ds-1,3-Dichloropropene	< 0.50	0.50	< 2.3	2.3	1	11/8/2006
Cyclohexane	< 0.50	0.50	< 1.7	1.7	1	11/8/2006
Dibromochloromethane	< 0.50	0.50	< 4.3	4.3	1	11/8/2006
Dichlorodifluoromethane(F-12)	0.83	0.50	4.2	2.5	1	11/8/2006
Dichlorotetrafluoroethane(F-114)	< 0.50	0.50	< 3.6	3.6	1	11/8/2006
Ethyl Acetate	< 0.50	0.50	< 1.8	1.8	1	11/8/2006
Ethylbenzene	1.0	0.50	4.4	2.2	1	11/8/2006
Heptane	< 0.50	0.50	< 2.1	2.1	1	11/8/2006
Hexachlorobutadiene	< 1.0	1.0	< 11	11	1	11/8/2006
Hexane	< 0.50	0.50	< 1.8	1.8	1	11/8/2006
m&p-Xylene	5.2	1.0	23	4.4	1	11/8/2006
Methyl tert-butyl ether	< 1.0	1.0	< 3.7	3.7	1	11/8/2006
Methylene chloride	< 0.50	0.50	< 1.8	1.8	1	11/8/2006
o-Xylene	2.2	0.50	9.7	2.2	1	11/8/2006
Propene (Propylene)	< 0.50	0.50	< 0.88	0.88	1	11/8/2006
Styrene	< 0.50	0.50	< 2.2	2.2	1	11/8/2006

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

* - Value exceeds Maximum Contaminant Level



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental Laboratories

Date: 21-Nov-06

CLIENT: Mactec
Lab Order: 06110165
Project: South Mesa WQARF/4972-06-2050.4.5
Lab ID: 06110165-01A
Client Sample ID: EFF
Tag Number: 00168
Collection Date: 11/2/2006 4:30:00 PM
Matrix: AIR

Analyses		Result		Limit	Result		Limit	Qual		DF	Date Analyzed	
		ppbv					µg/m ³					

VOLATILE ORGANICS IN AIR												
TO15												
Tetrachloroethene	< 0.50	0.50	< 3.4	3.4	1	11/8/2006	Analyst: KPD					
Tetrahydrofuran	< 2.0	2.0	< 6.0	6.0	1	11/8/2006						
Toluene	4.0	0.50	15	1.9	1	11/8/2006						
trans-1,2-Dichloroethene	< 0.50	0.50	< 2.0	2.0	1	11/8/2006						
trans-1,3-Dichloropropene	< 0.50	0.50	< 2.3	2.3	1	11/8/2006						
Trichloroethene	< 0.50	0.50	< 2.8	2.8	1	11/8/2006						
Trichlorofluoromethane(F-11)	< 0.50	0.50	< 2.8	2.8	1	11/8/2006						
Trichlorotrifluoroethane(F-113)	< 0.50	0.50	< 3.9	3.9	1	11/8/2006						
Vinyl acetate	< 0.50	0.50	< 1.8	1.8	1	11/8/2006						
Vinyl chloride	< 0.50	0.50	< 1.3	1.3	1	11/8/2006						
Surf: 4-Bromofluorobenzene	112 %REC	70-130	-	-	1	11/8/2006						

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

* - Value exceeds Maximum Contaminant Level



Aerotek Environmental Laboratories

a division of Aerotek Laboratories, Inc.

Aerotek Environmental Laboratories

Date: 21-Nov-06

CLIENT: Mactec
Lab Order: 06110165
Project: South Mesa WQARF/4972-06-2050.4.5
Lab ID: 06110165-02A
Client Sample ID: INT
Tag Number: 00272
Collection Date: 11/2/2006 4:35:00 PM
Matrix: AIR

Analyses		ppbv		µg/m³		Date Analyzed	
Result	Limit	Result	Limit	Qual	DF		

VOLATILE ORGANICS IN AIR

TO15

Analyst: KPD

1,1,1-Trichloroethane	< 2.0	2.0	< 11	11	4	11/8/2006
1,1,2,2-Tetrachloroethane	< 2.0	2.0	< 14	14	4	11/8/2006
1,1,2-Trichloroethane	< 2.0	2.0	< 11	11	4	11/8/2006
1,1-Dichloroethane	10	2.0	41	8.2	4	11/8/2006
1,1-Dichloroethene	7.6	2.0	31	8.1	4	11/8/2006
1,2,4-Trichlorobenzene	< 8.0	8.0	< 60	60	4	11/8/2006
1,2,4-Trimethylbenzene	4.1	2.0	20	10	4	11/8/2006
1,2-Dibromomethane	< 2.0	2.0	< 16	16	4	11/8/2006
1,2-Dichlorobenzene	< 2.0	2.0	< 12	12	4	11/8/2006
1,2-Dichloroethane	< 2.0	2.0	< 8.2	8.2	4	11/8/2006
1,2-Dichloropropane	30	2.0	140	9.4	4	11/8/2006
1,3,5-Trimethylbenzene	< 2.0	2.0	< 10	10	4	11/8/2006
1,3-Butadiene	< 2.0	2.0	< 4.5	4.5	4	11/8/2006
1,3-Dichlorobenzene	< 2.0	2.0	< 12	12	4	11/8/2006
1,4-Dichlorobenzene	< 2.0	2.0	< 12	12	4	11/8/2006
2,2,4-Trimethylpentane	< 2.0	2.0	< 9.5	9.5	4	11/8/2006
2-Butanone (MEK)	< 4.0	4.0	< 12	12	4	11/8/2006
2-Hexanone	< 4.0	4.0	< 17	17	4	11/8/2006
2-Propanol	< 8.0	8.0	< 20	20	4	11/8/2006
4-Ethyltoluene	< 2.0	2.0	< 8.8	8.8	4	11/8/2006
4-Methyl-2-pentanone	< 4.0	4.0	< 17	17	4	11/8/2006
Acetone	< 20	20	< 48	48	4	11/8/2006
Allyl chloride	< 2.0	2.0	< 3.2	3.2	4	11/8/2006
Benzene	3.4	2.0	11	6.5	4	11/8/2006
Benzyl chloride	< 8.0	8.0	< 42	42	4	11/8/2006
Bromodichloromethane	2.9	2.0	20	14	4	11/8/2006

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



Aerotek Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotek Environmental Laboratories

Date: 21-Nov-06

CLIENT: Mactec
Lab Order: 06110165
Project: South Mesa WQARF/4972-06-2050.4.5
Lab ID: 06110165-02A
Client Sample ID: INT
Tag Number: 00272
Collection Date: 11/2/2006 4:35:00 PM
Matrix: AIR

Analyses	Result	Limit	Result	Limit	Qual	DF	Date Analyzed
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VOLATILE ORGANICS IN AIR		TO15		Analyst: KPD			
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Bromoform	< 2.0	2.0	< 2.0	4.4	4	11/8/2006
Bromomethane	< 2.0	2.0	< 2.0	7.9	4	11/8/2006
Carbon disulfide	< 2.0	2.0	< 2.0	6.3	4	11/8/2006
Carbon tetrachloride	< 2.0	2.0	< 2.0	13	4	11/8/2006
Chlorobenzene	< 2.0	2.0	< 2.0	9.4	4	11/8/2006
Chloroethane	< 2.0	2.0	< 2.0	5.4	4	11/8/2006
Chloroform	7.0	2.0	35	9.9	4	11/8/2006
Chloromethane	< 2.0	2.0	< 4.2	4.2	4	11/8/2006
cis-1,2-Dichloroethene	3.2	2.0	13	8.0	4	11/8/2006
cis-1,3-Dichloropropene	< 2.0	2.0	< 9.2	9.2	4	11/8/2006
Cyclohexane	< 2.0	2.0	< 7.0	7.0	4	11/8/2006
Dibromochloromethane	< 2.0	2.0	< 17	17	4	11/8/2006
Dichlorodifluoromethane(F-12)	< 2.0	2.0	< 10	10	4	11/8/2006
Dichlorotetrafluoroethane(F-114)	< 2.0	2.0	< 14	14	4	11/8/2006
Ethyl Acetate	< 2.0	2.0	< 7.3	7.3	4	11/8/2006
Ethylbenzene	< 2.0	2.0	< 8.8	8.8	4	11/8/2006
Heptane	< 2.0	2.0	< 8.3	8.3	4	11/8/2006
Hexachlorobutadiene	< 4.0	4.0	< 43	43	4	11/8/2006
Hexane	7.8	2.0	28	7.1	4	11/8/2006
m&p-Xylene	< 4.0	4.0	< 18	18	4	11/8/2006
Methyl tert-butyl ether	< 4.0	4.0	< 15	15	4	11/8/2006
Methylene chloride	< 2.0	2.0	< 7.1	7.1	4	11/8/2006
o-Xylene	< 2.0	2.0	< 8.8	8.8	4	11/8/2006
Propene (Propylene)	< 2.0	2.0	< 3.5	3.5	4	11/8/2006
Styrene	< 2.0	2.0	< 8.6	8.6	4	11/8/2006

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

* - Value exceeds Maximum Contaminant Level



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental Laboratories

Date: 21-Nov-06

CLIENT: Mactec
Lab Order: 06110165
Project: South Mesa WQARF/4972-06-2050.4.5
Lab ID: 06110165-02A
Client Sample ID: INT
Tag Number: 00272
Collection Date: 11/2/2006 4:35:00 PM
Matrix: AIR

Analyses	Result	Limit	Result	Limit	Qual	DF	Date Analyzed
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VOLATILE ORGANICS IN AIR							
ppbv				µg/m³			
Analyses	Result	Limit	Result	Limit	Qual	DF	Date Analyzed
Tetrachloroethene	1900	25	13000	170	D2	50	11/9/2006
Tetrahydrofuran	< 8.0	8.0	< 24	24		4	11/8/2006
Toluene	3.0	2.0	11	7.7		4	11/8/2006
trans-1,2-Dichloroethene	< 2.0	2.0	< 8.0	8.0		4	11/8/2006
trans-1,3-Dichloropropene	< 2.0	2.0	< 9.2	9.2		4	11/8/2006
Trichloroethene	13	2.0	72	11		4	11/8/2006
Trichlorofluoromethane(F-11)	4.8	2.0	27	11		4	11/8/2006
Trichlorotrifluoroethane(F-113)	< 2.0	2.0	< 16	16		4	11/8/2006
Vinyl acetate	< 2.0	2.0	< 7.1	7.1		4	11/8/2006
Vinyl chloride	< 2.0	2.0	< 5.2	5.2		4	11/8/2006
Surf: 4-Bromofluorobenzene	101 %REC	70-130	-	-		4	11/8/2006

Analyst: KPD

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

* - Value exceeds Maximum Contaminant Level



Aerotech Environmental Laboratories

Date: 21-Nov-06

CLIENT: Mactec
Lab Order: 06110165
Project: South Mesa WQARF/4972-06-2050.4.5
Lab ID: 06110165-03A
Client Sample ID: VW-7B
Tag Number: 01420
Collection Date: 11/2/2006 4:50:00 PM
Matrix: AIR

Analyses		ppbv		µg/m ³		DF		Date Analyzed	
Result	Limit	Result	Limit	Qual	DF				

VOLATILE ORGANICS IN AIR									
TO15									
1,1,1-Trichloroethane	< 5.0	5.0	< 28	28	10	11/8/2006	Analyst: KPD		
1,1,2,2-Tetrachloroethane	< 5.0	5.0	< 35	35	10	11/8/2006			
1,1,2-Trichloroethane	< 5.0	5.0	< 28	28	10	11/8/2006			
1,1-Dichloroethane	10	5.0	41	21	10	11/8/2006			
1,1-Dichloroethene	6.5	5.0	26	20	10	11/8/2006			
1,2,4-Trichlorobenzene	< 20	20	< 150	150	10	11/8/2006			
1,2,4-Trimethylbenzene	< 5.0	5.0	< 25	25	10	11/8/2006			
1,2-Dibromomethane	< 5.0	5.0	< 39	39	10	11/8/2006			
1,2-Dichlorobenzene	< 5.0	5.0	< 31	31	10	11/8/2006			
1,2-Dichloroethane	< 5.0	5.0	< 21	21	10	11/8/2006			
1,2-Dichloropropane	< 5.0	5.0	< 24	24	10	11/8/2006			
1,3,5-Trimethylbenzene	< 5.0	5.0	< 25	25	10	11/8/2006			
1,3-Butadiene	< 5.0	5.0	< 11	11	10	11/8/2006			
1,3-Dichlorobenzene	< 5.0	5.0	< 31	31	10	11/8/2006			
1,4-Dichlorobenzene	< 5.0	5.0	< 31	31	10	11/8/2006			
2,2,4-Trimethylpentane	< 5.0	5.0	< 24	24	10	11/8/2006			
2-Butanone (MEK)	< 10	10	< 30	30	10	11/8/2006			
2-Hexanone	< 10	10	< 42	42	10	11/8/2006			
2-Propanol	< 20	20	< 50	50	10	11/8/2006			
4-Ethyltoluene	< 5.0	5.0	< 22	22	10	11/8/2006			
4-Methyl-2-pentanone	< 10	10	< 42	42	10	11/8/2006			
Acetone	< 50	50	< 120	120	10	11/8/2006			
Allyl chloride	< 5.0	5.0	< 8.0	8.0	10	11/8/2006			
Benzene	< 5.0	5.0	< 16	16	10	11/8/2006			
Benzyl chloride	< 20	20	< 110	110	10	11/8/2006			
Bromodichloromethane	< 5.0	5.0	< 34	34	10	11/8/2006			

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental Laboratories

Date: 21-Nov-06

CLIENT: Mactec
Lab Order: 06110165
Project: South Mesa WQARF/4972-06-2050.4.5
Lab ID: 06110165-03A
Client Sample ID: VW-7B
Tag Number: 01420
Collection Date: 11/2/2006 4:50:00 PM
Matrix: AIR

Analyses	Result	Limit	Result	Limit	Qual	DF	Date Analyzed
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VOLATILE ORGANICS IN AIR		TO15		Analyst: KPD			
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Bromoform	< 5.0	5.0	< 52	52	10	11/8/2006
Bromomethane	< 5.0	5.0	< 20	20	10	11/8/2006
Carbon disulfide	< 5.0	5.0	< 16	16	10	11/8/2006
Carbon tetrachloride	< 5.0	5.0	< 32	32	10	11/8/2006
Chlorobenzene	< 5.0	5.0	< 24	24	10	11/8/2006
Chloroethane	< 5.0	5.0	< 13	13	10	11/8/2006
Chloroform	7.1	5.0	35	25	10	11/8/2006
Chloromethane	< 5.0	5.0	< 10	10	10	11/8/2006
cis-1,2-Dichloroethene	< 5.0	5.0	< 20	20	10	11/8/2006
cis-1,3-Dichloropropene	< 5.0	5.0	< 23	23	10	11/8/2006
Cyclohexane	< 5.0	5.0	< 17	17	10	11/8/2006
Dibromochloromethane	< 5.0	5.0	< 43	43	10	11/8/2006
Dichlorodifluoromethane(F-12)	< 5.0	5.0	< 25	25	10	11/8/2006
Dichlorotetrafluoroethane(F-114)	< 5.0	5.0	< 36	36	10	11/8/2006
Ethyl Acetate	< 5.0	5.0	< 18	18	10	11/8/2006
Ethylbenzene	< 5.0	5.0	< 22	22	10	11/8/2006
Heptane	< 5.0	5.0	< 21	21	10	11/8/2006
Hexachlorobutadiene	< 10	10	< 110	110	10	11/8/2006
Hexane	< 5.0	5.0	< 18	18	10	11/8/2006
m&p-Xylene	< 10	10	< 44	44	10	11/8/2006
Methyl tert-butyl ether	< 10	10	< 37	37	10	11/8/2006
Methylene chloride	< 5.0	5.0	< 18	18	10	11/8/2006
o-Xylene	< 5.0	5.0	< 22	22	10	11/8/2006
Propene (Propylene)	< 5.0	5.0	< 8.8	8.8	10	11/8/2006
Styrene	< 5.0	5.0	< 22	22	10	11/8/2006

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

* - Value exceeds Maximum Contaminant Level



Aerotek Environmental Laboratories

a division of Aerotek Laboratories, Inc.

Aerotek Environmental Laboratories

Date: 21-Nov-06

CLIENT:

Mactec

Lab Order:

06110165

Project:

South Mesa WQARF/4972-06-2050.4.5

Lab ID:

06110165-03A

Client Sample ID: VW-7B

Tag Number: 01420

Collection Date: 11/2/2006 4:50:00 PM

Matrix: AIR

Analyses

Result	Limit	Result	Limit	Qual	DF	Date Analyzed
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VOLATILE ORGANICS IN AIR

TO15

Tetrachloroethene	200	5.0	1400	34	D2	10	11/8/2006
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Tetrahydrofuran

Toluene	< 5.0	5.0	< 19	19	10	11/8/2006
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trans-1,2-Dichloroethene

trans-1,3-Dichloropropene	< 5.0	5.0	< 20	20	10	11/8/2006
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Trichloroethene

Trichloroethene	< 5.0	5.0	< 28	28	10	11/8/2006
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Trichlorofluoromethane(F-11)

Trichlorofluoromethane(F-11)	< 5.0	5.0	< 28	28	10	11/8/2006
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Trichlorotrifluoroethane(F-113)

Trichlorotrifluoroethane(F-113)	< 5.0	5.0	< 39	39	10	11/8/2006
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Vinyl acetate

Vinyl acetate	< 5.0	5.0	< 18	18	10	11/8/2006
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Vinyl chloride

Vinyl chloride	< 5.0	5.0	< 13	13	10	11/8/2006
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Surf: 4-Bromofluorobenzene

Surf: 4-Bromofluorobenzene	97.9 %REC	70-130	-	-	10	11/8/2006
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Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 16-Nov-06

CLIENT: Mactec

Work Order: 06110165

Project: South Mesa WQARF/4972-06-2050.4.5

TestCode: TO15

ANALYTICAL QC SUMMARY REPORT

Sample ID: MB-R80969	Sample Type: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 80969						
Client ID:	Batch ID: R80969	TestNo: TO15		Analysis Date: 11/8/2006	SeqNo: 961639						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	<0.50	0.50									
1,1,2,2-Tetrachloroethane	<0.50	0.50									
1,1,2-Trichloroethane	<0.50	0.50									
1,1-Dichloroethane	<0.50	0.50									
1,1-Dichloroethane	<0.50	0.50									
1,2,4-Trichlorobenzene	<2.0	2.0									
1,2,4-Trimethylbenzene	<0.50	0.50									
1,2-Dibromoethane	<0.50	0.50									
1,2-Dichlorobenzene	<0.50	0.50									
1,2-Dichloroethane	<0.50	0.50									
1,2-Dichloropropane	<0.50	0.50									
1,3,5-Trimethylbenzene	<0.50	0.50									
1,3-Butadiene	<0.50	0.50									
1,3-Dichlorobenzene	<0.50	0.50									
1,4-Dichlorobenzene	<0.50	0.50									
2,2,4-Trimethylpentane	<0.50	0.50									
2-Butanone (MEK)	<1.0	1.0									
2-Hexanone	<1.0	1.0									
2-Propanol	<2.0	2.0									
4-Ethyltoluene	<0.50	0.50									
4-Methyl-2-pentanone	<1.0	1.0									
Acetone	<5.0	5.0									
Allyl chloride	<0.50	0.50									
Benzene	<0.50	0.50									
Benzyl chloride	<2.0	2.0									
Bromodichloromethane	<0.50	0.50									
Bromoethene(Vinyl Bromide)	<0.50	0.50									
Bromofom	<0.50	0.50									

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits



Work Order: 06110165

Project: South Mesa WQARF/4972-06-2050.4.5

FINAL QC SUMMARY REPORT

TestCode: TO15

TestCode: TO15

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit		R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT: Mactec
Work Order: 06110165
Project: South Mesa WQARF/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R80969	Sample Type: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 80969
Client ID:	Batch ID: R80969	TestNo: TO15		Analysis Date: 11/8/2006	SeqNo: 961639
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Trichloroethene	<0.50	0.50			
Trichlorofluoromethane(F-11)	<0.50	0.50			
Trichlorotrifluoroethane(F-113)	<0.50	0.50			
Vinyl acetate	<0.50	0.50			
Vinyl chloride	<0.50	0.50			
Surr: 4-Bromofluorobenzene	10.84	0.50	10	0	108 70 130

Sample ID: MB-R81113	Sample Type: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 81113
Client ID:	Batch ID: R81113	TestNo: TO15		Analysis Date: 11/9/2006	SeqNo: 963373
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

1,1,1-Trichloroethane	<0.50	0.50			
1,1,2,2-Tetrachloroethane	<0.50	0.50			
1,1,2-Trichloroethane	<0.50	0.50			
1,1-Dichloroethane	<0.50	0.50			
1,1-Dichloroethene	<0.50	0.50			
1,2,4-Trichlorobenzene	<2.0	2.0			
1,2,4-Trimethylbenzene	<0.50	0.50			
1,2-Dibromoethane	<0.50	0.50			
1,2-Dichlorobenzene	<0.50	0.50			
1,2-Dichloroethane	<0.50	0.50			
1,2-Dichloropropane	<0.50	0.50			
1,3,5-Trimethylbenzene	<0.50	0.50			
1,3-Butadiene	<0.50	0.50			
1,3-Dichlorobenzene	<0.50	0.50			
1,4-Dichlorobenzene	<0.50	0.50			
2,2,4-Trimethylpentane	<0.50	0.50			
2-Butanone (MEK)	<1.0	1.0			
2-Hexanone	<1.0	1.0			

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits



Work Order: 06110165

Project: South Mesa WQARF/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: T015

E	H	J
Value above quantitation range	Holding times for preparation or analysis exceeded	Analyte detected below quantitation limits
ND	RPD outside accepted recovery limits	Spike Recovery outside accepted recovery limits
Not Detected at the Reporting Limit		



Aerotek Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT: Mactec
Work Order: 06110165

Project: South Mesa WQARF/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R81113	Sample Type: MBLK	Test Code: TO15	Units: ppbv	Prep Date:	RunNo: 81113						
Client ID:	Batch ID: R81113	TestNo: TO15		Analysis Date: 11/9/2006	SeqNo: 963373						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Methyl tert-butyl ether	<1.0	1.0									
Methylene chloride	<0.50	0.50									
o-Xylene	<0.50	0.50									
Propene (Propylene)	<0.50	0.50									
Styrene	<0.50	0.50									
Tetrachloroethene	<0.50	0.50									
Tetrahydrofuran	<2.0	2.0									
Toluene	<0.50	0.50									
trans-1,2-Dichloroethene	<0.50	0.50									
trans-1,3-Dichloropropene	<0.50	0.50									
Trichloroethene	<0.50	0.50									
Trichlorofluoromethane(F-11)	<0.50	0.50									
Trichlorotrifluoroethane(F-113)	<0.50	0.50									
Vinyl acetate	<0.50	0.50									
Vinyl chloride	<0.50	0.50									
Surr: 4-Bromofluorobenzene	9.880	0.50	10	0	98.8	70	130				

Sample ID: LCS-R80969	Sample Type: LCS	Test Code: TO15	Units: ppbv	Prep Date:	RunNo: 80969						
Client ID:	Batch ID: R80969	TestNo: TO15		Analysis Date: 11/8/2006	SeqNo: 961640						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane	10.56	0.50	10	0	106	65	135				
1,1,2,2-Tetrachloroethane	9.000	0.50	10	0	90.0	65	135				
1,1,2-Trichloroethane	10.37	0.50	10	0	104	65	135				
1,1-Dichloroethane	10.96	0.50	10	0	110	65	135				
1,1-Dichloroethene	11.69	0.50	10	0	117	65	135				
1,2,4-Trichlorobenzene	8.440	2.0	10	0	84.4	65	135				
1,2,4-Trimethylbenzene	9.530	0.50	10	0	95.3	65	135				
1,2-Dibromooethane	10.87	0.50	10	0	109	65	135				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT: Mactec

Work Order: 06110165

Project: South Mesa WQARF/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R80969	Sample Type: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 80969						
Client ID:	Batch ID: R80969	TestNo: TO15		Analysis Date: 11/8/2006	SeqNo: 961640						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2-Dichlorobenzene	9.070	0.50	10	0	90.7	65	135				
1,2-Dichloroethane	10.60	0.50	10	0	106	65	135				
1,2-Dichloropropane	11.15	0.50	10	0	112	65	135				
1,3,5-Trimethylbenzene	9.390	0.50	10	0	93.9	65	135				
1,3-Butadiene	11.42	0.50	10	0	114	65	135				
1,3-Dichlorobenzene	9.090	0.50	10	0	90.9	65	135				
1,4-Dichlorobenzene	9.020	0.50	10	0	90.2	65	135				
2,2,4-Trimethylpentane	11.36	0.50	10	0	114	65	135				
2-Butanone (MEK)	9.480	1.0	10	0	94.8	65	135				
2-Hexanone	9.560	1.0	10	0	95.6	65	135				
2-Propanol	10.81	2.0	10	0	108	65	135				
4-Ethyltoluene	9.490	0.50	10	0	94.9	65	135				
4-Methyl-2-pentanone	10.32	1.0	10	0	103	65	135				
Acetone	9.710	5.0	10	0	97.1	65	135				
Allyl chloride	11.54	0.50	10	0	115	65	135				
Benzene	11.40	0.50	10	0	114	65	135				
Benzyl chloride	8.390	2.0	10	0	83.9	65	135				
Bromodichloromethane	10.55	0.50	10	0	106	65	135				
Bromoethene(Vinyl Bromide)	11.10	0.50	10	0	111	65	135				
Bromoform	9.000	0.50	10	0	90.0	65	135				
Bromomethane	11.30	0.50	10	0	113	65	135				
Carbon disulfide	11.14	0.50	10	0	111	65	135				
Carbon tetrachloride	10.26	0.50	10	0	103	65	135				
Chlorobenzene	10.26	0.50	10	0	103	65	135				
Chloroethane	11.43	0.50	10	0	114	65	135				
Chloroform	10.55	0.50	10	0	106	65	135				
Chloromethane	11.21	0.50	10	0	112	65	135				
cis-1,2-Dichloroethene	11.21	0.50	10	0	112	65	135				
cis-1,3-Dichloropropene	11.65	0.50	10	0	116	65	135				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits



AeroTech Environmental Laboratories

a division of AeroTech Laboratories, Inc.

CLIENT: Mactec
Work Order: 06110165

Project: South Mesa WQARF/4972-06-2050.4.5

TestCode: TO15

ANALYTICAL QC SUMMARY REPORT

Sample ID: LCS-R80969	Sample Type: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 80969						
Client ID:	Batch ID: R80969	TestNo: TO15		Analysis Date: 11/8/2006	SeqNo: 961640						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyclohexane	11.60	0.50	10	0	116	65	135				
Dibromochloromethane	10.27	0.50	10	0	103	65	135				
Dichlorodifluoromethane(F-12)	10.54	0.50	10	0	105	65	135				
Dichlorotetrafluoroethane(F-114)	11.34	0.50	10	0	113	65	135				
Ethyl Acetate	10.04	0.50	10	0	100	65	135				
Ethylbenzene	9.630	0.50	10	0	96.3	65	135				
Heptane	10.84	0.50	10	0	108	65	135				
Hexachlorobutadiene	8.720	1.0	10	0	87.2	65	135				
Hexane	11.86	0.50	10	0	119	65	135				
m&p-Xylene	19.20	1.0	20	0	96.0	65	135				
Methyl tert-butyl ether	10.05	1.0	10	0	100	65	135				
Methylene chloride	10.37	0.50	10	0	104	65	135				
o-Xylene	9.290	0.50	10	0	92.9	65	135				
Propene (Propylene)	11.74	0.50	10	0	117	65	135				
Styrene	9.700	0.50	10	0	97.0	65	135				
Tetrachloroethene	10.79	0.50	10	0	108	65	135				
Tetrahydrofuran	10.70	2.0	10	0	107	65	135				
Toluene	11.40	0.50	10	0	114	65	135				
trans-1,2-Dichloroethene	11.02	0.50	10	0	110	65	135				
trans-1,3-Dichloropropene	11.09	0.50	10	0	111	65	135				
Trichloroethene	10.86	0.50	10	0	109	65	135				
Trichlorofluoromethane(F-11)	10.56	0.50	10	0	106	65	135				
Trichlorotrifluoroethane(F-113)	10.83	0.50	10	0	108	65	135				
Vinyl acetate	10.56	0.50	10	0	106	65	135				
Vinyl chloride	11.53	0.50	10	0	115	65	135				
Surr: 4-Bromofluorobenzene	10.05	0.50	10	0	100	70	130				

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT: Mactec

Work Order: 06110165

Project: South Mesa WQARF/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R81113	Sample Type: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 81113						
Client ID:	Batch ID: R81113	TestNo: TO15		Analysis Date: 11/9/2006	SeqNo: 963374						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane		11.86	0.50	10	0	11.86	0.50	10	0	11.86	0.50

1,1,1-Trichloroethane	11.86	0.50	10	0	119	65	135				
1,1,2,2-Tetrachloroethane	10.08	0.50	10	0	101	65	135				
1,1,2-Trichloroethane	11.21	0.50	10	0	112	65	135				
1,1-Dichloroethane	11.53	0.50	10	0	115	65	135				
1,1-Dichloroethene	12.12	0.50	10	0	121	65	135				
1,2,4-Trichlorobenzene	9.470	2.0	10	0	94.7	65	135				
1,2,4-Trimethylbenzene	10.86	0.50	10	0	109	65	135				
1,2-Dibromoethane	11.60	0.50	10	0	116	65	135				
1,2-Dichlorobenzene	10.29	0.50	10	0	103	65	135				
1,2-Dichloroethane	11.93	0.50	10	0	119	65	135				
1,2-Dichloropropane	11.42	0.50	10	0	114	65	135				
1,3,5-Trimethylbenzene	10.74	0.50	10	0	107	65	135				
1,3-Butadiene	11.78	0.50	10	0	118	65	135				
1,3-Dichlorobenzene	10.34	0.50	10	0	103	65	135				
1,4-Dichlorobenzene	10.37	0.50	10	0	104	65	135				
2,2,4-Trimethylpentane	11.59	0.50	10	0	116	65	135				
2-Butanone (MEK)	10.11	1.0	10	0	101	65	135				
2-Hexanone	10.87	1.0	10	0	109	65	135				
2-Propanol	10.47	2.0	10	0	105	65	135				
4-Ethyltoluene	10.72	0.50	10	0	107	65	135				
4-Methyl-2-pentanone	11.57	1.0	10	0	116	65	135				
Acetone	11.30	5.0	10	0	113	65	135				
Allyl chloride	11.26	0.50	10	0	113	65	135				
Benzene	11.53	0.50	10	0	115	65	135				
Benzyl chloride	9.830	2.0	10	0	98.3	65	135				
Bromodichloromethane	11.80	0.50	10	0	118	65	135				
Bromoethene(Vinyl Bromide)	11.99	0.50	10	0	120	65	135				
Bromoform	10.33	0.50	10	0	103	65	135				
Bromomethane	11.98	0.50	10	0	120	65	135				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits



Aerotek Environmental Laboratories

a division of Aerotek Laboratories, Inc.

CLIENT: Mactec
Work Order: 06110165
Project: South Mesa WQARF/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R81113	Sample Type: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 81113
Client ID:	Batch ID: R81113	TestNo: TO15		Analysis Date: 11/9/2006	SeqNo: 963374
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Carbon disulfide	11.33	0.50	10	0	113	65	135				
Carbon tetrachloride	11.86	0.50	10	0	119	65	135				
Chlorobenzene	10.61	0.50	10	0	106	65	135				
Chloroethane	11.83	0.50	10	0	118	65	135				
Chloroform	11.56	0.50	10	0	116	65	135				
Chloromethane	11.73	0.50	10	0	117	65	135				
cis-1,2-Dichloroethene	11.22	0.50	10	0	112	65	135				
cis-1,3-Dichloropropene	12.16	0.50	10	0	122	65	135				
Cyclohexane	11.74	0.50	10	0	117	65	135				
Dibromochloromethane	11.46	0.50	10	0	115	65	135				
Dichlorodifluoromethane(F-12)	11.55	0.50	10	0	116	65	135				
Dichlorotetrafluoroethane(F-114)	11.73	0.50	10	0	117	65	135				
Ethyl Acetate	11.03	0.50	10	0	110	65	135				
Ethylbenzene	10.50	0.50	10	0	105	65	135				
Heptane	11.86	0.50	10	0	119	65	135				
Hexachlorobutadiene	10.21	1.0	10	0	102	65	135				
Hexane	12.06	0.50	10	0	121	65	135				
m&p-Xylene	21.28	1.0	20	0	106	65	135				
Methyl tert-butyl ether	10.83	1.0	10	0	108	65	135				
Methylene chloride	10.84	0.50	10	0	108	65	135				
o-Xylene	10.70	0.50	10	0	107	65	135				
Propene (Propylene)	10.66	0.50	10	0	107	65	135				
Styrene	10.67	0.50	10	0	107	65	135				
Tetrachloroethene	11.22	0.50	10	0	112	65	135				
Tetrahydrofuran	11.38	2.0	10	0	114	65	135				
Toluene	12.11	0.50	10	0	121	65	135				
trans-1,2-Dichloroethene	10.95	0.50	10	0	110	65	135				
trans-1,3-Dichloropropene	12.25	0.50	10	0	122	65	135				
Trichloroethene	11.27	0.50	10	0	113	65	135				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits



AeroTech Environmental Laboratories

a division of AeroTech Laboratories, Inc.

CLIENT: Mactec

Work Order: 06110165

Project: South Mesa WQARF/4972-06-2050.4.5

TestCode: TO15

ANALYTICAL QC SUMMARY REPORT

Sample ID: LCS-R81113	Sample Type: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 81113
Client ID:	Batch ID: R81113	TestNo: TO15		Analysis Date: 11/9/2006	SeqNo: 963374
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Trichlorofluoromethane(F-11)	12.93	0.50	10	0	129	65	135		
Trichlorotrifluoroethane(F-113)	11.44	0.50	10	0	114	65	135		
Vinyl acetate	11.46	0.50	10	0	115	65	135		
Vinyl chloride	11.61	0.50	10	0	116	65	135		
Surr: 4-Bromofluorobenzene	11.17	0.50	10	0	112	70	130		

Sample ID: LCSD-R80969	Sample Type: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 80969
Client ID:	Batch ID: R80969	TestNo: TO15		Analysis Date: 11/8/2006	SeqNo: 961641
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

1,1,1-Trichloroethane	10.97	0.50	10	0	110	65	135	10.56	3.81	25
1,1,2,2-Tetrachloroethane	10.58	0.50	10	0	106	65	135	9.000	16.1	25
1,1,2-Trichloroethane	10.87	0.50	10	0	109	65	135	10.37	4.71	25
1,1-Dichloroethane	11.24	0.50	10	0	112	65	135	10.96	2.52	25
1,1-Dichloroethene	11.95	0.50	10	0	120	65	135	11.69	2.20	25
1,2,4-Trichlorobenzene	10.10	2.0	10	0	101	65	135	8.440	17.9	25
1,2,4-Trimethylbenzene	11.44	0.50	10	0	114	65	135	9.530	18.2	25
1,2-Dibromoethane	11.10	0.50	10	0	111	65	135	10.87	2.09	25
1,2-Dichlorobenzene	10.79	0.50	10	0	108	65	135	9.070	17.3	25
1,2-Dichloroethane	11.03	0.50	10	0	110	65	135	10.60	3.98	25
1,2-Dichloropropane	11.16	0.50	10	0	112	65	135	11.15	0.0896	25
1,3,5-Trimethylbenzene	11.19	0.50	10	0	112	65	135	9.390	17.5	25
1,3-Butadiene	11.59	0.50	10	0	116	65	135	11.42	1.48	25
1,3-Dichlorobenzene	10.81	0.50	10	0	108	65	135	9.090	17.3	25
1,4-Dichlorobenzene	10.83	0.50	10	0	108	65	135	9.020	18.2	25
2,2,4-Trimethylpentane	11.38	0.50	10	0	114	65	135	11.36	0.176	25
2-Butanone (MEK)	10.43	1.0	10	0	104	65	135	9.480	9.54	25
2-Hexanone	10.91	1.0	10	0	109	65	135	9.560	13.2	25
2-Propanol	11.44	2.0	10	0	114	65	135	10.81	5.66	25

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits



Aerotek Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT: Mactec
Work Order: 06110165
Project: South Mesa WQARF/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCSD-R80969	Sampl Type: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 80969						
Client ID:	Batch ID: R80969	TestNo: TO15		Analysis Date: 11/8/2006	SeqNo: 961641						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Ethyltoluene	11.29	0.50	10	0	113	65	135	9.490	17.3	25	
4-Methyl-2-pentanone	11.59	1.0	10	0	116	65	135	10.32	11.6	25	
Acetone	11.04	5.0	10	0	110	65	135	9.710	12.8	25	
Allyl chloride	11.77	0.50	10	0	118	65	135	11.54	1.97	25	
Benzène	11.44	0.50	10	0	114	65	135	11.40	0.350	25	
Benzyl chloride	10.21	2.0	10	0	102	65	135	8.390	19.6	25	
Bromodichloromethane	10.86	0.50	10	0	109	65	135	10.55	2.90	25	
Bromoethene(Vinyl Bromide)	11.43	0.50	10	0	114	65	135	11.10	2.93	25	
Bromofom	10.37	0.50	10	0	104	65	135	9.000	14.1	25	
Bromomethane	11.53	0.50	10	0	115	65	135	11.30	2.01	25	
Carbon disulfide	11.15	0.50	10	0	112	65	135	11.14	0.0897	25	
Carbon tetrachloride	10.65	0.50	10	0	106	65	135	10.26	3.73	25	
Chlorobenzene	11.07	0.50	10	0	111	65	135	10.26	7.59	25	
Chloroethane	11.73	0.50	10	0	117	65	135	11.43	2.59	25	
Chloroform	10.88	0.50	10	0	109	65	135	10.55	3.08	25	
Chloromethane	11.45	0.50	10	0	114	65	135	11.21	2.12	25	
cis-1,2-Dichloroethene	11.37	0.50	10	0	114	65	135	11.21	1.42	25	
cis-1,3-Dichloropropene	11.83	0.50	10	0	118	65	135	11.65	1.53	25	
Cyclohexane	11.65	0.50	10	0	116	65	135	11.60	0.430	25	
Dibromochloromethane	10.73	0.50	10	0	107	65	135	10.27	4.38	25	
Dichlorodifluoromethane(F-12)	10.88	0.50	10	0	109	65	135	10.54	3.17	25	
Dichlorotetrafluoroethane(F-114)	11.55	0.50	10	0	116	65	135	11.34	1.83	25	
Ethyl Acetate	11.40	0.50	10	0	114	65	135	10.04	12.7	25	
Ethylbenzene	11.22	0.50	10	0	112	65	135	9.630	15.3	25	
Heptane	11.03	0.50	10	0	110	65	135	10.84	1.74	25	
Hexachlorobutadiene	10.53	1.0	10	0	105	65	135	8.720	18.8	25	
Hexane	12.17	0.50	10	0	122	65	135	11.86	2.58	25	
m&p-Xylene	22.72	1.0	20	0	114	65	135	19.20	16.8	25	
Methyl tert-butyl ether	11.42	1.0	10	0	114	65	135	10.05	12.8	25	

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT: Mactec

Work Order: 06110165

Project: South Mesa WQARF/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCSD-R80969

Sample Type: LCSD

TestCode: TO15

Units: ppbv

Prep Date:

RunNo: 80969

Client ID:

Batch ID: R80969

TestNo: TO15

Analysis Date: 11/8/2006

SeqNo: 961641

Analyte

Result

PQL

SPK value

SPK Ref Val

%REC

LowLimit

HighLimit

RPD Ref Val

%RPD

RPDLimit

Qual

Methylene chloride

o-Xylene

Propene (Propylene)

Styrene

Tetrachlorethene

Tetrahydrofuran

Toluene

trans-1,2-Dichloroethene

trans-1,3-Dichloropropene

Trichloroethene

Trichlorofluoromethane(F-11)

Trichlorotrifluoroethane(F-113)

Vinyl acetate

Vinyl chloride

Surr: 4-Bromofluorobenzene

Sample ID: LCSD-R81113

Sample Type: LCSD

TestCode: TO15

Units: ppbv

Prep Date:

RunNo: 81113

Client ID:

Batch ID: R81113

TestNo: TO15

Analysis Date: 11/9/2006

SeqNo: 963377

Analyte

Result

PQL

SPK value

SPK Ref Val

%REC

LowLimit

HighLimit

RPD Ref Val

%RPD

RPDLimit

Qual

1,1,1-Trichloroethane

1,1,2,2-Tetrachloroethane

1,1,2-Trichloroethane

1,1-Dichloroethane

1,1-Dichloroethene

1,2,4-Trichlorobenzene

1,2,4-Trimethylbenzene

1,2-Dibromoethane

1,2-Dichlorobenzene

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits



Aerotecn Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT: Mactec
Work Order: 06110165

Project: South Mesa WQARF/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCSD-R81113	Sample Type: LCSD	Test Code: TO15	Units: ppbv	Prep Date:	Run No: 81113						
Client ID:	Batch ID: R81113	Test No: TO15		Analysis Date: 11/9/2006	Seq No: 963377						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,2-Dichloroethane	11.74	0.50	10	0	117	65	135	11.93	1.61	25	
1,2-Dichloropropane	11.39	0.50	10	0	114	65	135	11.42	0.263	25	
1,3,5-Trimethylbenzene	11.41	0.50	10	0	114	65	135	10.74	6.05	25	
1,3-Butadiene	11.81	0.50	10	0	118	65	135	11.78	0.254	25	
1,3-Dichlorobenzene	10.95	0.50	10	0	110	65	135	10.34	5.73	25	
1,4-Dichlorobenzene	10.98	0.50	10	0	110	65	135	10.37	5.71	25	
2,2,4-Trimethylpentane	11.50	0.50	10	0	115	65	135	11.59	0.780	25	
2-Butanone (MEK)	10.32	1.0	10	0	103	65	135	10.11	2.06	25	
2-Hexanone	11.10	1.0	10	0	111	65	135	10.87	2.09	25	
2-Propanol	10.91	2.0	10	0	109	65	135	10.47	4.12	25	
4-Ethyltoluene	11.34	0.50	10	0	113	65	135	10.72	5.62	25	
4-Methyl-2-pentanone	11.83	1.0	10	0	118	65	135	11.57	2.22	25	
Acetone	11.40	5.0	10	0	114	65	135	11.30	0.881	25	
Allyl chloride	11.41	0.50	10	0	114	65	135	11.26	1.32	25	
Benzene	11.42	0.50	10	0	114	65	135	11.53	0.959	25	
Benzyl chloride	10.55	2.0	10	0	106	65	135	9.830	7.07	25	
Bromodichloromethane	11.62	0.50	10	0	116	65	135	11.80	1.54	25	
Bromoethene(Vinyl Bromide)	11.90	0.50	10	0	119	65	135	11.99	0.753	25	
Bromoforn	10.70	0.50	10	0	107	65	135	10.33	3.52	25	
Bromomethane	11.92	0.50	10	0	119	65	135	11.98	0.502	25	
Carbon disulfide	11.26	0.50	10	0	113	65	135	11.33	0.620	25	
Carbon tetrachloride	11.62	0.50	10	0	116	65	135	11.86	2.04	25	
Chlorobenzene	10.96	0.50	10	0	110	65	135	10.61	3.25	25	
Chloroethane	11.89	0.50	10	0	119	65	135	11.83	0.506	25	
Chloroforn	11.42	0.50	10	0	114	65	135	11.56	1.22	25	
Chloromethane	11.78	0.50	10	0	118	65	135	11.73	0.425	25	
cis-1,2-Dichloroethane	11.22	0.50	10	0	112	65	135	11.22	0	25	
cis-1,3-Dichloropropene	12.20	0.50	10	0	122	65	135	12.16	0.328	25	
Cyclohexane	11.68	0.50	10	0	117	65	135	11.74	0.512	25	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT: Mactec

Work Order: 06110165

Project: South Mesa WQARF/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCSD-R81113	Sample Type: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 81113						
Client ID:	Batch ID: R81113	TestNo: TO15		Analysis Date: 11/9/2006	SeqNo: 963377						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dibromochloromethane	11.30	0.50	10	0	113	65	135	11.46	1.41	25	
Dichlorodifluoromethane(F-12)	11.51	0.50	10	0	115	65	135	11.55	0.347	25	
Dichlorotetrafluoroethane(F-114)	12.04	0.50	10	0	120	65	135	11.73	2.61	25	
Ethyl Acetate	11.39	0.50	10	0	114	65	135	11.03	3.21	25	
Ethylbenzene	11.12	0.50	10	0	111	65	135	10.50	5.74	25	
Heptane	11.66	0.50	10	0	117	65	135	11.86	1.70	25	
Hexachlorobutadiene	10.83	1.0	10	0	108	65	135	10.21	5.89	25	
Hexane	12.09	0.50	10	0	121	65	135	12.06	0.248	25	
m&p-Xylene	22.66	1.0	20	0	113	65	135	21.28	6.28	25	
Methyl tert-butyl ether	11.38	1.0	10	0	114	65	135	10.83	4.95	25	
Methylene chloride	10.84	0.50	10	0	108	65	135	10.84	0	25	
o-Xylene	11.37	0.50	10	0	114	65	135	10.70	6.07	25	
Propene (Propylene)	11.05	0.50	10	0	110	65	135	10.66	3.59	25	
Styrene	11.33	0.50	10	0	113	65	135	10.67	6.00	25	
Tetrachloroethene	11.10	0.50	10	0	111	65	135	11.22	1.08	25	
Tetrahydrofuran	11.64	2.0	10	0	116	65	135	11.38	2.26	25	
Toluene	11.93	0.50	10	0	119	65	135	12.11	1.50	25	
trans-1,2-Dichloroethene	11.08	0.50	10	0	111	65	135	10.95	1.18	25	
trans-1,3-Dichloropropene	12.18	0.50	10	0	122	65	135	12.25	0.573	25	
Trichloroethene	11.17	0.50	10	0	112	65	135	11.27	0.891	25	
Trichlorofluoromethane(F-11)	12.71	0.50	10	0	127	65	135	12.93	1.72	25	
Trichlorotrifluoroethane(F-113)	11.34	0.50	10	0	113	65	135	11.44	0.878	25	
Vinyl acetate	11.92	0.50	10	0	119	65	135	11.46	3.93	25	
Vinyl chloride	11.69	0.50	10	0	117	65	135	11.61	0.687	25	
Surf. 4-Bromofluorobenzene	10.42	0.50	10	0	104	70	130	11.17	0	0	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

Aerotech Environmental Laboratories Sample Receipt Checklist

Project checked by: _____

Laboratory Number: <u>06110165</u>	Client Name: <u>Macta</u>	Matrix: <u>HR</u>
Carrier Name: <u>Mark</u>	Date/Time Rec'd: <u>11/10/06</u>	By: <u>SG</u>
Checklist completed by: <u>R. J. [Signature]</u>	Signature/Date: _____	

Temperature of Samples? 4mb°C Circle one: Blue Ice Wet Ice Not Present

Shipping container/cooler in good condition?	Yes	No	Not Present
Shipping container/cooler in good condition?	X		
Custody seals intact on shipping container/cooler?			X
Custody seals intact on sample containers?			X
Chain of Custody present and relinquished/received properly?			X
Chain of Custody agrees with sample labels?			X
Samples in proper containers/bottles?			X
Sample containers intact?			X
All samples received within holding time?			X
Is there sufficient sample volume to perform the tests?			X
40mL vials for volatiles & SOCs received with zero headspace?			X

Total number of bottles received: 3
 If applicable, how many sample bottles were shipped from AEL-Tucson? 1
 If sample media: 1 Canister
 If applicable, how many sample bottles were shipped from AEL-Tucson? N/A

Number of containers received by preservative and by sample number: (If more than 15 samples are rec'd, please continue on separate sheet(s))

Preservative	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A-General															
B-HNO3															
C-H2SO4															
D-HCl															
E-Na2S2O3															
F-NaOH															
G-Sulfide															
H-Na Sulfite															
I-MCAA															
J-Methanol															
K-HAA															
L-Other															

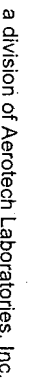
Water-pH acceptable upon receipt?	Yes	No	N/A
pH of samples upon receipt			
If pH requires adjustment, list sample number, and reagent ID, number			

Any No response must be detailed in the comments section below. Contact the PM immediately to determine how to proceed. Refer to SOP 11-001.04, Section 1.8.6. Continue on back if additional space is needed.

The holding time for pH and Total Residual Chlorine analysis is immediate. For the most accurate result, the pH and Total Residual Chlorine should be taken in the field within 15 minutes of sampling.

Comments:

Corrective Action:



Analyses Requested



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Monday, December 18, 2006

Jim Clarke
Mactec
3630 East Wier Avenue
Phoenix, AZ 85040

TEL: (602) 437-0250

FAX (602) 437-3675

RE: South Mesa/4972-06-2050.4.5

Order No.: 06120263

Dear Jim Clarke:

Aerotech Environmental Laboratories received 3 sample(s) on 12/8/2006 for the analyses presented in the following report.

This report includes the following information:

- Case Narrative.
- Analytical Report: includes test results, report limit (Limit), any applicable data qualifier (Qual), units, dilution factor (DF), and date analyzed.
- QC Summary Report.

This communication is intended only for the individual or entity to whom it is directed. It may contain information that is privileged, confidential, or otherwise exempt from disclosure under applicable law. Dissemination, distribution, or copying of this communication by anyone other than the intended recipient, or a duly designated employee or agent of such recipient, is prohibited. If you have received this communication in error, please notify us immediately and destroy this message and all attachments thereto. If you have any questions regarding these test results, please do not hesitate to call.

Sincerely,

Tim Trestrail

Project Manager

Jmk



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental Laboratories

Date: 19-Dec-06

CLIENT: Mactec
Project: South Mesa/4972-06-2050.4.5
Lab Order: 06120263

CASE NARRATIVE

Samples were analyzed using methods outlined in references such as:

- Standard Methods for the Examination of Water and Wastewater, 19th Edition, 1995.
- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.
- Methods for the Determination of Organic Compounds in Drinking Water: Supplement III, EPA/600/R-95/131, August 1995.
- Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.
- 40 CFR, Part 136, Revised 1998. Appendix A to Part 136 - Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater.
- NIOSH Manual of Analytical Methods, Fourth Edition, 1994.
- Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.

Aerotech Environmental Laboratories (AEL) holds Arizona certification no. AZ0610.

Aerotech Environmental Laboratories (Laboratory 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.

Analytical Comments:

All method blanks and laboratory control spikes met EPA method and/or laboratory quality control objectives for the analyses included in this report.

Data Qualifiers:

Listed below are the data qualifiers used in your analytical report to explain any analytical or quality control issues. You will find them noted in your report under the column header "QUAL". Any quality control deficiencies that cannot be adequately described by these qualifiers will be addressed in the analytical comments section of this case narrative.

- D2 Sample required dilution due to high concentration of target analyte.
- R7 LCS/LCSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 19-Dec-06

CLIENT:	Mactec	Client Sample ID:	EFF
Lab Order:	06120263	Tag Number:	1294
Project:	South Mesa/4972-06-2050.4.5	Collection Date:	12/8/2006 10:30:00 AM
Lab ID:	06120263-01A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: SP				
1,1,1-Trichloroethane	< 0.50	0.50	< 2.8	2.8	1	12/11/2006	
1,1,2,2-Tetrachloroethane	< 0.50	0.50	< 3.5	3.5	1	12/11/2006	
1,1,2-Trichloroethane	< 0.50	0.50	< 2.8	2.8	1	12/11/2006	
1,1-Dichloroethane	< 0.50	0.50	< 2.1	2.1	1	12/11/2006	
1,1-Dichloroethene	< 0.50	0.50	< 2.0	2.0	1	12/11/2006	
1,2,4-Trichlorobenzene	< 2.0	2.0	< 15	15	1	12/11/2006	
1,2,4-Trimethylbenzene	2.4	0.50	12	2.5	1	12/11/2006	
1,2-Dibromoethane	< 0.50	0.50	< 3.9	3.9	1	12/11/2006	
1,2-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1	12/11/2006	
1,2-Dichloroethane	< 0.50	0.50	< 2.1	2.1	1	12/11/2006	
1,2-Dichloropropane	< 0.50	0.50	< 2.4	2.4	1	12/11/2006	
1,3,5-Trimethylbenzene	< 0.50	0.50	< 2.5	2.5	1	12/11/2006	
1,3-Butadiene	< 0.50	0.50	< 1.1	1.1	1	12/11/2006	
1,3-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1	12/11/2006	
1,4-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1	12/11/2006	
2,2,4-Trimethylpentane	< 0.50	0.50	< 2.4	2.4	1	12/11/2006	
2-Butanone (MEK)	< 1.0	1.0	< 3.0	3.0	1	12/11/2006	
2-Hexanone	< 1.0	1.0	< 4.2	4.2	1	12/11/2006	
2-Propanol	< 2.0	2.0	< 5.0	5.0	1	12/11/2006	
4-Ethyltoluene	< 0.50	0.50	< 2.2	2.2	1	12/11/2006	
4-Methyl-2-pentanone	< 1.0	1.0	< 4.2	4.2	1	12/11/2006	
Acetone	< 5.0	5.0	< 12	12	1	12/11/2006	
Allyl chloride	< 0.50	0.50	< 0.80	0.80	1	12/11/2006	
Benzene	< 0.50	0.50	< 1.6	1.6	1	12/11/2006	
Benzyl chloride	< 2.0	2.0	< 11	11	1	12/11/2006	
Bromodichloromethane	< 0.50	0.50	< 3.4	3.4	1	12/11/2006	

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Page 1 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 19-Dec-06

CLIENT:	Mactec	Client Sample ID:	EFF
Lab Order:	06120263	Tag Number:	1294
Project:	South Mesa/4972-06-2050.4.5	Collection Date:	12/8/2006 10:30:00 AM
Lab ID:	06120263-01A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: SP				
Bromoethene(Vinyl Bromide)	< 0.50	0.50	< 1.1	1.1	1	12/11/2006	
Bromoform	< 0.50	0.50	< 5.2	5.2	1	12/11/2006	
Bromomethane	< 0.50	0.50	< 2.0	2.0	1	12/11/2006	
Carbon disulfide	< 0.50	0.50	< 1.6	1.6	1	12/11/2006	
Carbon tetrachloride	< 0.50	0.50	< 3.2	3.2	1	12/11/2006	
Chlorobenzene	< 0.50	0.50	< 2.4	2.4	1	12/11/2006	
Chloroethane	< 0.50	0.50	< 1.3	1.3	1	12/11/2006	
Chloroform	< 0.50	0.50	< 2.5	2.5	1	12/11/2006	
Chloromethane	0.52	0.50	1.1	1.0	1	12/11/2006	
cis-1,2-Dichloroethene	< 0.50	0.50	< 2.0	2.0	1	12/11/2006	
cis-1,3-Dichloropropene	< 0.50	0.50	< 2.3	2.3	1	12/11/2006	
Cyclohexane	< 0.50	0.50	< 1.7	1.7	1	12/11/2006	
Dibromochloromethane	< 0.50	0.50	< 4.3	4.3	1	12/11/2006	
Dichlorodifluoromethane(F-12)	0.68	0.50	3.4	2.5	1	12/11/2006	
Dichlorotetrafluoroethane(F-114)	< 0.50	0.50	< 3.6	3.6	1	12/11/2006	
Ethyl Acetate	< 0.50	0.50	< 1.8	1.8	1	12/11/2006	
Ethylbenzene	< 0.50	0.50	< 2.2	2.2	1	12/11/2006	
Heptane	< 0.50	0.50	< 2.1	2.1	1	12/11/2006	
Hexachlorobutadiene	< 1.0	1.0	< 11	11	1	12/11/2006	
Hexane	< 0.50	0.50	< 1.8	1.8	1	12/11/2006	
m&p-Xylene	< 1.0	1.0	< 4.4	4.4	1	12/11/2006	
Methyl tert-butyl ether	< 1.0	1.0	< 3.7	3.7	1	12/11/2006	
Methylene chloride	< 0.50	0.50	< 1.8	1.8	1	12/11/2006	
o-Xylene	0.63	0.50	2.8	2.2	1	12/11/2006	
Propene (Propylene)	0.66	0.50	1.2	0.88	1	12/11/2006	
Styrene	< 0.50	0.50	< 2.2	2.2	1	12/11/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 2 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 19-Dec-06

CLIENT: Mactec
Lab Order: 06120263
Project: South Mesa/4972-06-2050.4.5
Lab ID: 06120263-01A

Client Sample ID: EFF
Tag Number: 1294
Collection Date: 12/8/2006 10:30:00 AM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: SP				
Tetrachloroethene	0.77	0.50	5.3	3.4	1	12/11/2006	
Tetrahydrofuran	< 2.0	2.0	< 6.0	6.0	1	12/11/2006	
Toluene	1.3	0.50	5.0	1.9	1	12/11/2006	
trans-1,2-Dichloroethene	< 0.50	0.50	< 2.0	2.0	1	12/11/2006	
trans-1,3-Dichloropropene	< 0.50	0.50	< 2.3	2.3	1	12/11/2006	
Trichloroethene	< 0.50	0.50	< 2.8	2.8	1	12/11/2006	
Trichlorofluoromethane(F-11)	< 0.50	0.50	< 2.8	2.8	1	12/11/2006	
Trichlorotrifluoroethane(F-113)	< 0.50	0.50	< 3.9	3.9	1	12/11/2006	
Vinyl acetate	< 0.50	0.50	< 1.8	1.8	1	12/11/2006	
Vinyl chloride	< 0.50	0.50	< 1.3	1.3	1	12/11/2006	
Surr: 4-Bromofluorobenzene	103 %REC	70-130	-	-	1	12/11/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 19-Dec-06

CLIENT:	Mactec	Client Sample ID:	INT
Lab Order:	06120263	Tag Number:	1277
Project:	South Mesa/4972-06-2050.4.5	Collection Date:	12/8/2006 10:40:00 AM
Lab ID:	06120263-02A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: SP				
1,1,1-Trichloroethane	< 25	25	< 140	140	50	12/11/2006	
1,1,2,2-Tetrachloroethane	< 25	25	< 170	170	50	12/11/2006	
1,1,2-Trichloroethane	< 25	25	< 140	140	50	12/11/2006	
1,1-Dichloroethane	< 25	25	< 100	100	50	12/11/2006	
1,1-Dichloroethene	< 25	25	< 100	100	50	12/11/2006	
1,2,4-Trichlorobenzene	< 100	100	< 750	750	50	12/11/2006	
1,2,4-Trimethylbenzene	< 25	25	< 120	120	50	12/11/2006	
1,2-Dibromoethane	< 25	25	< 200	200	50	12/11/2006	
1,2-Dichlorobenzene	< 25	25	< 150	150	50	12/11/2006	
1,2-Dichloroethane	< 25	25	< 100	100	50	12/11/2006	
1,2-Dichloropropane	< 25	25	< 120	120	50	12/11/2006	
1,3,5-Trimethylbenzene	< 25	25	< 120	120	50	12/11/2006	
1,3-Butadiene	< 25	25	< 56	56	50	12/11/2006	
1,3-Dichlorobenzene	< 25	25	< 150	150	50	12/11/2006	
1,4-Dichlorobenzene	< 25	25	< 150	150	50	12/11/2006	
2,2,4-Trimethylpentane	1100	25	5200	120	D2	50 12/11/2006	
2-Butanone (MEK)	< 50	50	< 150	150	50	12/11/2006	
2-Hexanone	< 50	50	< 210	210	50	12/11/2006	
2-Propanol	< 100	100	< 250	250	50	12/11/2006	
4-Ethyltoluene	< 25	25	< 110	110	50	12/11/2006	
4-Methyl-2-pentanone	< 50	50	< 210	210	50	12/11/2006	
Acetone	< 250	250	< 600	600	50	12/11/2006	
Allyl chloride	< 25	25	< 40	40	50	12/11/2006	
Benzene	< 25	25	< 81	81	50	12/11/2006	
Benzyl chloride	< 100	100	< 530	530	50	12/11/2006	
Bromodichloromethane	< 25	25	< 170	170	50	12/11/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 4 of 9



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental Laboratories

Date: 19-Dec-06

CLIENT:	Mactec	Client Sample ID:	INT
Lab Order:	06120263	Tag Number:	1277
Project:	South Mesa/4972-06-2050.4.5	Collection Date:	12/8/2006 10:40:00 AM
Lab ID:	06120263-02A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: SP				
Bromoethene(Vinyl Bromide)	< 25	25	< 56	56	50	12/11/2006	
Bromoform	< 25	25	< 260	260	50	12/11/2006	
Bromomethane	< 25	25	< 99	99	50	12/11/2006	
Carbon disulfide	< 25	25	< 79	79	50	12/11/2006	
Carbon tetrachloride	< 25	25	< 160	160	50	12/11/2006	
Chlorobenzene	< 25	25	< 120	120	50	12/11/2006	
Chloroethane	< 25	25	< 67	67	50	12/11/2006	
Chloroform	< 25	25	< 120	120	50	12/11/2006	
Chloromethane	< 25	25	< 52	52	50	12/11/2006	
cis-1,2-Dichloroethene	< 25	25	< 100	100	50	12/11/2006	
cis-1,3-Dichloropropene	< 25	25	< 120	120	50	12/11/2006	
Cyclohexane	< 25	25	< 87	87	50	12/11/2006	
Dibromochloromethane	< 25	25	< 220	220	50	12/11/2006	
Dichlorodifluoromethane(F-12)	< 25	25	< 130	130	50	12/11/2006	
Dichlorotetrafluoroethane(F-114)	< 25	25	< 180	180	50	12/11/2006	
Ethyl Acetate	< 25	25	< 92	92	50	12/11/2006	
Ethylbenzene	< 25	25	< 110	110	50	12/11/2006	
Heptane	< 25	25	< 100	100	50	12/11/2006	
Hexachlorobutadiene	< 50	50	< 540	540	50	12/11/2006	
Hexane	< 25	25	< 89	89	50	12/11/2006	
m&p-Xylene	< 50	50	< 220	220	50	12/11/2006	
Methyl tert-butyl ether	< 50	50	< 180	180	50	12/11/2006	
Methylene chloride	< 25	25	< 88	88	50	12/11/2006	
o-Xylene	< 25	25	< 110	110	50	12/11/2006	
Propene (Propylene)	< 25	25	< 44	44	50	12/11/2006	
Styrene	< 25	25	< 110	110	50	12/11/2006	

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 5 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 19-Dec-06

CLIENT:	Mactec	Client Sample ID:	INT
Lab Order:	06120263	Tag Number:	1277
Project:	South Mesa/4972-06-2050.4.5	Collection Date:	12/8/2006 10:40:00 AM
Lab ID:	06120263-02A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: SP				
Tetrachloroethene	2900	50	20000	340	D2	100	12/11/2006
Tetrahydrofuran	< 100	100	< 300	300		50	12/11/2006
Toluene	< 25	25	< 96	96		50	12/11/2006
trans-1,2-Dichloroethene	< 25	25	< 100	100		50	12/11/2006
trans-1,3-Dichloropropene	< 25	25	< 120	120		50	12/11/2006
Trichloroethene	< 25	25	< 140	140		50	12/11/2006
Trichlorofluoromethane(F-11)	< 25	25	< 140	140		50	12/11/2006
Trichlorotrifluoroethane(F-113)	< 25	25	< 190	190		50	12/11/2006
Vinyl acetate	< 25	25	< 89	89		50	12/11/2006
Vinyl chloride	< 25	25	< 65	65		50	12/11/2006
* Surr: 4-Bromofluorobenzene	103 %REC	70-130	-	-		50	12/11/2006

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Page 6 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 19-Dec-06

CLIENT:	Mactec	Client Sample ID:	VW-7B
Lab Order:	06120263	Tag Number:	1286
Project:	South Mesa/4972-06-2050.4.5	Collection Date:	12/8/2006 11:10:00 AM
Lab ID:	06120263-03A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: SP				
1,1,1-Trichloroethane	< 5.0	5.0	< 28	28	10	12/11/2006	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	< 35	35	10	12/11/2006	
1,1,2-Trichloroethane	< 5.0	5.0	< 28	28	10	12/11/2006	
1,1-Dichloroethane	6.7	5.0	28	21	10	12/11/2006	
1,1-Dichloroethene	< 5.0	5.0	< 20	20	10	12/11/2006	
1,2,4-Trichlorobenzene	< 20	20	< 150	150	10	12/11/2006	
1,2,4-Trimethylbenzene	< 5.0	5.0	< 25	25	10	12/11/2006	
1,2-Dibromoethane	< 5.0	5.0	< 39	39	10	12/11/2006	
1,2-Dichlorobenzene	< 5.0	5.0	< 31	31	10	12/11/2006	
1,2-Dichloroethane	< 5.0	5.0	< 21	21	10	12/11/2006	
1,2-Dichloropropane	< 5.0	5.0	< 24	24	10	12/11/2006	
1,3,5-Trimethylbenzene	< 5.0	5.0	< 25	25	10	12/11/2006	
1,3-Butadiene	< 5.0	5.0	< 11	11	10	12/11/2006	
1,3-Dichlorobenzene	< 5.0	5.0	< 31	31	10	12/11/2006	
1,4-Dichlorobenzene	< 5.0	5.0	< 31	31	10	12/11/2006	
2,2,4-Trimethylpentane	< 5.0	5.0	< 24	24	10	12/11/2006	
2-Butanone (MEK)	< 10	10	< 30	30	10	12/11/2006	
2-Hexanone	< 10	10	< 42	42	10	12/11/2006	
2-Propanol	< 20	20	< 50	50	10	12/11/2006	
4-Ethyltoluene	< 5.0	5.0	< 22	22	10	12/11/2006	
4-Methyl-2-pentanone	< 10	10	< 42	42	10	12/11/2006	
Acetone	< 50	50	< 120	120	10	12/11/2006	
Allyl chloride	< 5.0	5.0	< 8.0	8.0	10	12/11/2006	
Benzene	< 5.0	5.0	< 16	16	10	12/11/2006	
Benzyl chloride	< 20	20	< 110	110	10	12/11/2006	
Bromodichloromethane	< 5.0	5.0	< 34	34	10	12/11/2006	

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank

- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 7 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 19-Dec-06

CLIENT:	Mactec	Client Sample ID:	VW-7B
Lab Order:	06120263	Tag Number:	1286
Project:	South Mesa/4972-06-2050.4.5	Collection Date:	12/8/2006 11:10:00 AM
Lab ID:	06120263-03A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: SP				
Bromoethene(Vinyl Bromide)	< 5.0	5.0	< 11	11	10	12/11/2006	
Bromoform	< 5.0	5.0	< 52	52	10	12/11/2006	
Bromomethane	< 5.0	5.0	< 20	20	10	12/11/2006	
Carbon disulfide	< 5.0	5.0	< 16	16	10	12/11/2006	
Carbon tetrachloride	< 5.0	5.0	< 32	32	10	12/11/2006	
Chlorobenzene	< 5.0	5.0	< 24	24	10	12/11/2006	
Chloroethane	< 5.0	5.0	< 13	13	10	12/11/2006	
Chloroform	< 5.0	5.0	< 25	25	10	12/11/2006	
Chloromethane	< 5.0	5.0	< 10	10	10	12/11/2006	
cis-1,2-Dichloroethene	< 5.0	5.0	< 20	20	10	12/11/2006	
cis-1,3-Dichloropropene	< 5.0	5.0	< 23	23	10	12/11/2006	
Cyclohexane	< 5.0	5.0	< 17	17	10	12/11/2006	
Dibromochloromethane	< 5.0	5.0	< 43	43	10	12/11/2006	
Dichlorodifluoromethane(F-12)	< 5.0	5.0	< 25	25	10	12/11/2006	
Dichlorotetrafluoroethane(F-114)	< 5.0	5.0	< 36	36	10	12/11/2006	
Ethyl Acetate	< 5.0	5.0	< 18	18	10	12/11/2006	
Ethylbenzene	< 5.0	5.0	< 22	22	10	12/11/2006	
Heptane	< 5.0	5.0	< 21	21	10	12/11/2006	
Hexachlorobutadiene	< 10	10	< 110	110	10	12/11/2006	
Hexane	< 5.0	5.0	< 18	18	10	12/11/2006	
m&p-Xylene	< 10	10	< 44	44	10	12/11/2006	
Methyl tert-butyl ether	< 10	10	< 37	37	10	12/11/2006	
Methylene chloride	< 5.0	5.0	< 18	18	10	12/11/2006	
o-Xylene	< 5.0	5.0	< 22	22	10	12/11/2006	
Propene (Propylene)	< 5.0	5.0	< 8.8	8.8	10	12/11/2006	
Styrene	< 5.0	5.0	< 22	22	10	12/11/2006	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 8 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 19-Dec-06

CLIENT:	Mactec	Client Sample ID:	VW-7B
Lab Order:	06120263	Tag Number:	1286
Project:	South Mesa/4972-06-2050.4.5	Collection Date:	12/8/2006 11:10:00 AM
Lab ID:	06120263-03A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: SP				
Tetrachloroethene	150	5.0	1000	34	D2	10	12/11/2006
Tetrahydrofuran	< 20	20	< 60	60		10	12/11/2006
Toluene	< 5.0	5.0	< 19	19		10	12/11/2006
trans-1,2-Dichloroethene	< 5.0	5.0	< 20	20		10	12/11/2006
trans-1,3-Dichloropropene	< 5.0	5.0	< 23	23		10	12/11/2006
Trichloroethene	< 5.0	5.0	< 28	28		10	12/11/2006
Trichlorofluoromethane(F-11)	< 5.0	5.0	< 28	28		10	12/11/2006
Trichlorotrifluoroethane(F-113)	< 5.0	5.0	< 39	39		10	12/11/2006
Vinyl acetate	< 5.0	5.0	< 18	18		10	12/11/2006
Vinyl chloride	< 5.0	5.0	< 13	13		10	12/11/2006
Surr: 4-Bromofluorobenzene	0 %REC	70-130	-	-		10	12/11/2006

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Page 9 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 18-Dec-06

CLIENT: Mactec

Work Order: 06120263

Project: South Mesa/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R82075	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 82075						
Client ID:	Batch ID: R82075	TestNo: TO15		Analysis Date: 12/11/2006	SeqNo: 974847						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	<0.50	0.50									
1,1,2,2-Tetrachloroethane	<0.50	0.50									
1,1,2-Trichloroethane	<0.50	0.50									
1,1-Dichloroethane	<0.50	0.50									
1,1-Dichloroethene	<0.50	0.50									
1,2,4-Trichlorobenzene	<2.0	2.0									
1,2,4-Trimethylbenzene	<0.50	0.50									
1,2-Dibromoethane	<0.50	0.50									
1,2-Dichlorobenzene	<0.50	0.50									
1,2-Dichloroethane	<0.50	0.50									
1,2-Dichloropropane	<0.50	0.50									
1,3,5-Trimethylbenzene	<0.50	0.50									
1,3-Butadiene	<0.50	0.50									
1,3-Dichlorobenzene	<0.50	0.50									
1,4-Dichlorobenzene	<0.50	0.50									
2,2,4-Trimethylpentane	<0.50	0.50									
2-Butanone (MEK)	<1.0	1.0									
2-Hexanone	<1.0	1.0									
2-Propanol	<2.0	2.0									
4-Ethyltoluene	<0.50	0.50									
4-Methyl-2-pentanone	<1.0	1.0									
Acetone	<5.0	5.0									
Allyl chloride	<0.50	0.50									
Benzene	<0.50	0.50									
Benzyl chloride	<2.0	2.0									
Bromodichloromethane	<0.50	0.50									
Bromoethene(Vinyl Bromide)	<0.50	0.50									
Bromoform	<0.50	0.50									

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits
J Analyte detected below quantitation limits

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

CLIENT: Mactec

Work Order: 06120263

Project: South Mesa/4972-06-2050.4.5

Sample ID: MB-R82075	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 82075						
Client ID:	Batch ID: R82075	TestNo: TO15		Analysis Date: 12/11/2006	SeqNo: 974847						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	<0.50	0.50									
Carbon disulfide	<0.50	0.50									
Carbon tetrachloride	<0.50	0.50									
Chlorobenzene	<0.50	0.50									
Chloroethane	<0.50	0.50									
Chloroform	<0.50	0.50									
Chloromethane	<0.50	0.50									
cis-1,2-Dichloroethene	<0.50	0.50									
cis-1,3-Dichloropropene	<0.50	0.50									
Cyclohexane	<0.50	0.50									
Dibromochloromethane	<0.50	0.50									
Dichlorodifluoromethane(F-12)	<0.50	0.50									
Dichlorotetrafluoroethane(F-114)	<0.50	0.50									
Ethyl Acetate	<0.50	0.50									
Ethylbenzene	<0.50	0.50									
Heptane	<0.50	0.50									
Hexachlorobutadiene	<1.0	1.0									
Hexane	<0.50	0.50									
m&p-Xylene	<1.0	1.0									
Methyl tert-butyl ether	<1.0	1.0									
Methylene chloride	<0.50	0.50									
o-Xylene	<0.50	0.50									
Propene (Propylene)	<0.50	0.50									
Styrene	<0.50	0.50									
Tetrachloroethene	<0.50	0.50									
Tetrahydrofuran	<2.0	2.0									
Toluene	<0.50	0.50									
trans-1,2-Dichloroethene	<0.50	0.50									
trans-1,3-Dichloropropene	<0.50	0.50									

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT:

Mactec

Work Order:

06120263

Project:

South Mesa/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R82075	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 82075						
Client ID:	Batch ID: R82075	TestNo: TO15		Analysis Date: 12/11/2006	SeqNo: 974847						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichloroethene	<0.50	0.50									
Trichlorofluoromethane(F-11)	<0.50	0.50									
Trichlorotrifluoroethane(F-113)	<0.50	0.50									
Vinyl acetate	<0.50	0.50									
Vinyl chloride	<0.50	0.50									
Surr: 4-Bromofluorobenzene	9.870	0.50	10	0	98.7	70	130				

Sample ID: LCS-R82075	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 82075						
Client ID:	Batch ID: R82075	TestNo: TO15		Analysis Date: 12/11/2006	SeqNo: 974848						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane	11.08	0.50	10	0	111	65	135				
1,1,2,2-Tetrachloroethane	11.03	0.50	10	0	110	65	135				
1,1,2-Trichloroethane	11.05	0.50	10	0	110	65	135				
1,1-Dichloroethane	10.81	0.50	10	0	108	65	135				
1,1-Dichloroethene	11.18	0.50	10	0	112	65	135				
1,2,4-Trichlorobenzene	9.540	2.0	10	0	95.4	65	135				
1,2,4-Trimethylbenzene	12.37	0.50	10	0	124	65	135				
1,2-Dibromoethane	11.34	0.50	10	0	113	65	135				
1,2-Dichlorobenzene	11.61	0.50	10	0	116	65	135				
1,2-Dichloroethane	10.81	0.50	10	0	108	65	135				
1,2-Dichloropropane	10.98	0.50	10	0	110	65	135				
1,3,5-Trimethylbenzene	12.08	0.50	10	0	121	65	135				
1,3-Butadiene	10.24	0.50	10	0	102	65	135				
1,3-Dichlorobenzene	11.58	0.50	10	0	116	65	135				
1,4-Dichlorobenzene	11.58	0.50	10	0	116	65	135				
2,2,4-Trimethylpentane	11.18	0.50	10	0	112	65	135				
2-Butanone (MEK)	10.96	1.0	10	0	110	65	135				
2-Hexanone	11.32	1.0	10	0	113	65	135				

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Mactec
Work Order: 06120263
Project: South Mesa/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT
TestCode: TO15

Sample ID: LCS-R82075	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 82075						
Client ID:	Batch ID: R82075	TestNo: TO15		Analysis Date: 12/11/2006	SeqNo: 974848						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Propanol	9.790	2.0	10	0	97.9	65	135				
4-Ethyltoluene	12.27	0.50	10	0	123	65	135				
4-Methyl-2-pentanone	11.84	1.0	10	0	118	65	135				
Acetone	11.51	5.0	10	0	115	65	135				
Allyl chloride	11.02	0.50	10	0	110	65	135				
Benzene	11.22	0.50	10	0	112	65	135				
Benzyl chloride	11.77	2.0	10	0	118	65	135				
Bromodichloromethane	11.08	0.50	10	0	111	65	135				
Bromoethene(Vinyl Bromide)	11.33	0.50	10	0	113	65	135				
Bromoform	11.25	0.50	10	0	112	65	135				
Bromomethane	11.08	0.50	10	0	111	65	135				
Carbon disulfide	10.58	0.50	10	0	106	65	135				
Carbon tetrachloride	11.01	0.50	10	0	110	65	135				
Chlorobenzene	11.12	0.50	10	0	111	65	135				
Chloroethane	10.67	0.50	10	0	107	65	135				
Chloroform	10.72	0.50	10	0	107	65	135				
Chloromethane	10.43	0.50	10	0	104	65	135				
cis-1,2-Dichloroethene	11.15	0.50	10	0	112	65	135				
cis-1,3-Dichloropropene	12.01	0.50	10	0	120	65	135				
Cyclohexane	11.56	0.50	10	0	116	65	135				
Dibromochloromethane	11.12	0.50	10	0	111	65	135				
Dichlorodifluoromethane(F-12)	10.37	0.50	10	0	104	65	135				
Dichlorotetrafluoroethane(F-114)	11.53	0.50	10	0	115	65	135				
Ethyl Acetate	11.18	0.50	10	0	112	65	135				
Ethylbenzene	12.19	0.50	10	0	122	65	135				
Heptane	10.72	0.50	10	0	107	65	135				
Hexachlorobutadiene	7.110	1.0	10	0	71.1	65	135				
Hexane	10.98	0.50	10	0	110	65	135				
m&p-Xylene	24.23	1.0	20	0	121	65	135				

Qualifiers: E Value above quantitation range ND Not Detected at the Reporting Limit H Holding times for preparation or analysis exceeded R RPD outside accepted recovery limits J Analyte detected below quantitation limits S Spike Recovery outside accepted recovery limits



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CLIENT: Mactec

Work Order: 06120263

Project: South Mesa/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R82075	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 82075						
Client ID:	Batch ID: R82075	TestNo: TO15		Analysis Date: 12/11/2006	SeqNo: 974848						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Methyl tert-butyl ether	11.74	1.0	10	0	117	65	135				
Methylene chloride	9.900	0.50	10	0	99.0	65	135				
o-Xylene	11.84	0.50	10	0	118	65	135				
Propene (Propylene)	9.810	0.50	10	0	98.1	65	135				
Styrene	12.36	0.50	10	0	124	65	135				
Tetrachloroethene	10.79	0.50	10	0	108	65	135				
Tetrahydrofuran	11.16	2.0	10	0	112	65	135				
Toluene	12.09	0.50	10	0	121	65	135				
trans-1,2-Dichloroethene	10.88	0.50	10	0	109	65	135				
trans-1,3-Dichloropropene	11.91	0.50	10	0	119	65	135				
Trichloroethene	11.07	0.50	10	0	111	65	135				
Trichlorofluoromethane(F-11)	11.68	0.50	10	0	117	65	135				
Trichlorotrifluoroethane(F-113)	11.02	0.50	10	0	110	65	135				
Vinyl acetate	11.98	0.50	10	0	120	65	135				
Vinyl chloride	10.58	0.50	10	0	106	65	135				
Surr: 4-Bromofluorobenzene	10.24	0.50	10	0	102	70	130				

Sample ID: LCSD-R82075	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 82075						
Client ID:	Batch ID: R82075	TestNo: TO15		Analysis Date: 12/11/2006	SeqNo: 974849						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane	12.00	0.50	10	0	120	65	135	11.08	7.97	25	
1,1,2,2-Tetrachloroethane	11.60	0.50	10	0	116	65	135	11.03	5.04	25	
1,1,2-Trichloroethane	11.82	0.50	10	0	118	65	135	11.05	6.73	25	
1,1-Dichloroethane	11.65	0.50	10	0	116	65	135	10.81	7.48	25	
1,1-Dichloroethene	12.17	0.50	10	0	122	65	135	11.18	8.48	25	
1,2,4-Trichlorobenzene	10.71	2.0	10	0	107	65	135	9.540	11.6	25	
1,2,4-Trimethylbenzene	13.13	0.50	10	0	131	65	135	12.37	5.96	25	
1,2-Dibromoethane	12.04	0.50	10	0	120	65	135	11.34	5.99	25	

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Mactec

Work Order: 06120263

Project: South Mesa/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCSD-R82075	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 82075						
Client ID:	Batch ID: R82075	TestNo: TO15		Analysis Date: 12/11/2006	SeqNo: 974849						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichlorobenzene	12.27	0.50	10	0	123	65	135	11.61	5.53	25	
1,2-Dichloroethane	11.69	0.50	10	0	117	65	135	10.81	7.82	25	
1,2-Dichloropropane	11.62	0.50	10	0	116	65	135	10.98	5.66	25	
1,3,5-Trimethylbenzene	12.87	0.50	10	0	129	65	135	12.08	6.33	25	
1,3-Butadiene	11.22	0.50	10	0	112	65	135	10.24	9.13	25	
1,3-Dichlorobenzene	12.23	0.50	10	0	122	65	135	11.58	5.46	25	
1,4-Dichlorobenzene	12.23	0.50	10	0	122	65	135	11.58	5.46	25	
2,2,4-Trimethylpentane	11.77	0.50	10	0	118	65	135	11.18	5.14	25	
2-Butanone (MEK)	12.32	1.0	10	0	123	65	135	10.96	11.7	25	
2-Hexanone	12.76	1.0	10	0	128	65	135	11.32	12.0	25	
2-Propanol	11.11	2.0	10	0	111	65	135	9.790	12.6	25	
4-Ethyltoluene	13.04	0.50	10	0	130	65	135	12.27	6.08	25	
4-Methyl-2-pentanone	13.26	1.0	10	0	133	65	135	11.84	11.3	25	
Acetone	12.27	5.0	10	0	123	65	135	11.51	6.39	25	
Allyl chloride	11.98	0.50	10	0	120	65	135	11.02	8.35	25	
Benzene	12.23	0.50	10	0	122	65	135	11.22	8.61	25	
Benzyl chloride	12.29	2.0	10	0	123	65	135	11.77	4.32	25	
Bromodichloromethane	11.68	0.50	10	0	117	65	135	11.08	5.27	25	
Bromoethene(Vinyl Bromide)	11.97	0.50	10	0	120	65	135	11.33	5.49	25	
Bromoform	11.78	0.50	10	0	118	65	135	11.25	4.60	25	
Bromomethane	11.92	0.50	10	0	119	65	135	11.08	7.30	25	
Carbon disulfide	11.55	0.50	10	0	116	65	135	10.58	8.77	25	
Carbon tetrachloride	11.88	0.50	10	0	119	65	135	11.01	7.60	25	
Chlorobenzene	11.50	0.50	10	0	115	65	135	11.12	3.36	25	
Chloroethane	11.46	0.50	10	0	115	65	135	10.67	7.14	25	
Chloroform	11.63	0.50	10	0	116	65	135	10.72	8.14	25	
Chloromethane	11.57	0.50	10	0	116	65	135	10.43	10.4	25	
cis-1,2-Dichloroethene	12.09	0.50	10	0	121	65	135	11.15	8.09	25	
cis-1,3-Dichloropropene	12.69	0.50	10	0	127	65	135	12.01	5.51	25	

Qualifiers: E Value above quantitation range ND Not Detected at the Reporting Limit H Holding times for preparation or analysis exceeded R RPD outside accepted recovery limits J Analyte detected below quantitation limits S Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT:

Mactec

Work Order:

06120263

Project:

South Mesa/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCSD-R82075	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 82075						
Client ID:	Batch ID: R82075	TestNo: TO15		Analysis Date: 12/11/2006	SeqNo: 974849						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyclohexane	12.49	0.50	10	0	125	65	135	11.56	7.73	25	
Dibromochloromethane	11.78	0.50	10	0	118	65	135	11.12	5.76	25	
Dichlorodifluoromethane(F-12)	11.35	0.50	10	0	114	65	135	10.37	9.02	25	
Dichlorotetrafluoroethane(F-114)	12.52	0.50	10	0	125	65	135	11.53	8.23	25	
Ethyl Acetate	12.55	0.50	10	0	126	65	135	11.18	11.5	25	
Ethylbenzene	12.97	0.50	10	0	130	65	135	12.19	6.20	25	
Heptane	11.37	0.50	10	0	114	65	135	10.72	5.89	25	
Hexachlorobutadiene	11.20	1.0	10	0	112	65	135	7.110	44.7	25	R7
Hexane	11.93	0.50	10	0	119	65	135	10.98	8.29	25	
m&p-Xylene	25.82	1.0	20	0	129	65	135	24.23	6.35	25	
Methyl tert-butyl ether	13.00	1.0	10	0	130	65	135	11.74	10.2	25	
Methylene chloride	10.73	0.50	10	0	107	65	135	9.900	8.05	25	
o-Xylene	12.60	0.50	10	0	126	65	135	11.84	6.22	25	
Propene (Propylene)	10.75	0.50	10	0	108	65	135	9.810	9.14	25	
Styrene	13.17	0.50	10	0	132	65	135	12.36	6.35	25	
Tetrachloroethene	11.54	0.50	10	0	115	65	135	10.79	6.72	25	
Tetrahydrofuran	12.56	2.0	10	0	126	65	135	11.16	11.8	25	
Toluene	12.79	0.50	10	0	128	65	135	12.09	5.63	25	
trans-1,2-Dichloroethene	11.84	0.50	10	0	118	65	135	10.88	8.45	25	
trans-1,3-Dichloropropene	12.78	0.50	10	0	128	65	135	11.91	7.05	25	
Trichloroethene	11.78	0.50	10	0	118	65	135	11.07	6.21	25	
Trichlorofluoromethane(F-11)	12.58	0.50	10	0	126	65	135	11.68	7.42	25	
Trichlorotrifluoroethane(F-113)	11.96	0.50	10	0	120	65	135	11.02	8.18	25	
Vinyl acetate	12.87	0.50	10	0	129	65	135	11.98	7.16	25	
Vinyl chloride	11.65	0.50	10	0	116	65	135	10.58	9.63	25	
Surr: 4-Bromofluorobenzene	10.41	0.50	10	0	104	70	130	10.24	0	0	

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Aerotech Environmental Laboratories Sample Receipt Checklist

Project checked by: _____

Laboratory Number: <u>06-12-0263</u>		Checklist completed by: <u>[Signature]</u> <u>12/8/06</u>	
Client Name: <u>Mec-Tec Eng.</u>		Signature/Date	
Matrix: <u>Air</u>	Carrier Name: <u>M. Hammer</u>	Date/Time Rec'd: <u>12/8/06 13:16</u>	By: <u>P.F.</u>

Temperature of Samples? Amb. °C Circle one: Blue Ice Wet Ice Not Present

	Yes	No*	Not Present	Soil Containers:
Shipping container/cooler in good condition?	✓			Brass Sleeve _____
Custody seals intact on shipping container/cooler?			✓	Glass Jar _____
Custody seals intact on sample containers?			✓	Methanol _____
Chain of Custody present and relinquished/received properly?	✓			Plastic Bag _____
Chain of Custody agrees with sample labels?	✓			Encore Samplers _____
Samples in proper containers/bottles?	✓			
Sample containers intact?	✓			
All samples received within holding time?	✓			
Is there sufficient sample volume to perform the tests?	✓			**See Comment about Chlorine and pH
40mL vials for volatiles & SOCs received with zero headspace?			✓	

Total number of bottles received: 3 IH sample media: 12 Summary Cannister
 If applicable, how many sample bottles were shipped from AEL-Tucson? N/A ✓

Number of containers received by preservative and by sample number: (If more than 15 samples are rec'd, please continue on separate sheet(s))

Preservative	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A-General	1	1	1												
B-HNO3															
C-H2SO4															
D-HCl															
E-Na2S2O3															
F-NaOH															
G-Sulfide															
H-Na Sulfite															
I-MCAA															
J-Methanol															
K-HAA															
L-Other															

Water-pH acceptable upon receipt? Yes No N/A ✓

Preservative & pH	pH of samples upon receipt	If pH requires adjustment, list sample number, and reagent ID. number
Metals <2		
Nutrients <2		
Total Phenols <2		
413 (O&G) <2		
418 (TPH) <2		
Cyanide >12		
Sulfide >9		

*Any No response must be detailed in the comments section below. Contact the PM immediately to determine how to proceed. Refer to SOP 11-001.04, Section 1.8.6. Continue on back if additional space is needed.

**The holding time for pH and Total Residual Chlorine analysis is immediate. For the most accurate result, the pH and Total Residual Chlorine should be taken in the field within 15 minutes of sampling.

Comments:

Corrective Action:



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Aerotech Laboratories, Inc.

[] Main Lab - 4645 E. Cotton Center Blvd., Building 3, Suite 189, Phoenix, AZ 85040 602.437.3340 - FAX 623.445.6192

[] North Phoenix - 1501 W. Knudsen, Phoenix, AZ 85027 623.780.4800 - FAX 623.445.6216

[] Tucson - 4455 S. Park Ave, Suite 110, Tucson, AZ 85714 520.807.3801 - FAX 520.807.3803

www.aerovirolabs.com or call toll-free 866.772.5227

[illegible]

Instructions / Special Requirements:

Date: _____ Time: _____

Samples Relinquished By:

Received By:



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Wednesday, January 17, 2007

Jim Clarke
Mactec
3630 East Wier Avenue
Phoenix, AZ 85040

TEL: (602) 437-0250

FAX (602) 437-3675

RE: South Mesa WQARF/4972-06-2050

Order No.: 07010165

Dear Jim Clarke:

Aerotech Environmental Laboratories received 3 sample(s) on 1/6/2007 for the analyses presented in the following report.

This report includes the following information:

- Case Narrative.
- Analytical Report: includes test results, report limit (Limit), any applicable data qualifier (Qual), units, dilution factor (DF), and date analyzed.
- QC Summary Report.

This communication is intended only for the individual or entity to whom it is directed. It may contain information that is privileged, confidential, or otherwise exempt from disclosure under applicable law. Dissemination, distribution, or copying of this communication by anyone other than the intended recipient, or a duly designated employee or agent of such recipient, is prohibited. If you have received this communication in error, please notify us immediately and destroy this message and all attachments thereto. If you have any questions regarding these test results, please do not hesitate to call.

Sincerely,

Tim Trestrail
Project Manager

Jan 18/24/07



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental Laboratories

Date: 17-Jan-07

CLIENT: Mactec
Project: South Mesa WQARF/4972-06-2050
Lab Order: 07010165

CASE NARRATIVE

Samples were analyzed using methods outlined in references such as:

- Standard Methods for the Examination of Water and Wastewater, 19th Edition, 1995.
- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.
- Methods for the Determination of Organic Compounds in Drinking Water: Supplement III, EPA/600/R-95/131, August 1995.
- Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.
- 40 CFR, Part 136, Revised 1998. Appendix A to Part 136 - Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater.
- NIOSH Manual of Analytical Methods, Fourth Edition, 1994.
- Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.

Aerotech Environmental Laboratories (AEL) holds Arizona certification no. AZ0610.

Aerotech Environmental Laboratories (Laboratory 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.

Analytical Comments:

All method blanks and laboratory control spikes met EPA method and/or laboratory quality control objectives for the analyses included in this report.

Data Qualifiers:

Listed below are the data qualifiers used in your analytical report to explain any analytical or quality control issues. You will find them noted in your report under the column header "QUAL". Any quality control deficiencies that cannot be adequately described by these qualifiers will be addressed in the analytical comments section of this case narrative.

D2 Sample required dilution due to high concentration of target analyte.



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 17-Jan-07

CLIENT: Mactec

Lab Order: 07010165

Project: South Mesa WQARF/4972-06-2050

Lab ID: 07010165-01A

Client Sample ID: EFF

Tag Number: 1282

Collection Date: 1/5/2007 2:35:00 PM

Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
1,1,1-Trichloroethane	< 0.50	0.50	< 2.8	2.8	1	1/11/2007	
1,1,2,2-Tetrachloroethane	< 0.50	0.50	< 3.5	3.5	1	1/11/2007	
1,1,2-Trichloroethane	< 0.50	0.50	< 2.8	2.8	1	1/11/2007	
1,1-Dichloroethane	< 0.50	0.50	< 2.1	2.1	1	1/11/2007	
1,1-Dichloroethene	< 0.50	0.50	< 2.0	2.0	1	1/11/2007	
1,2,4-Trichlorobenzene	< 2.0	2.0	< 15	15	1	1/11/2007	
1,2,4-Trimethylbenzene	0.64	0.50	3.2	2.5	1	1/11/2007	
1,2-Dibromoethane	< 0.50	0.50	< 3.9	3.9	1	1/11/2007	
1,2-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1	1/11/2007	
1,2-Dichloroethane	< 0.50	0.50	< 2.1	2.1	1	1/11/2007	
1,2-Dichloropropane	< 0.50	0.50	< 2.4	2.4	1	1/11/2007	
1,3,5-Trimethylbenzene	< 0.50	0.50	< 2.5	2.5	1	1/11/2007	
1,3-Butadiene	< 0.50	0.50	< 1.1	1.1	1	1/11/2007	
1,3-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1	1/11/2007	
1,4-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1	1/11/2007	
2,2,4-Trimethylpentane	1.3	0.50	6.2	2.4	1	1/11/2007	
2-Butanone (MEK)	< 1.0	1.0	< 3.0	3.0	1	1/11/2007	
2-Hexanone	< 1.0	1.0	< 4.2	4.2	1	1/11/2007	
2-Propanol	13	2.0	32	5.0	1	1/11/2007	
4-Ethyltoluene	< 0.50	0.50	< 2.2	2.2	1	1/11/2007	
4-Methyl-2-pentanone	< 1.0	1.0	< 4.2	4.2	1	1/11/2007	
Acetone	< 5.0	5.0	< 12	12	1	1/11/2007	
Allyl chloride	< 0.50	0.50	< 0.80	0.80	1	1/11/2007	
Benzene	0.54	0.50	1.8	1.6	1	1/11/2007	
Benzyl chloride	< 2.0	2.0	< 11	11	1	1/11/2007	
Bromodichloromethane	< 0.50	0.50	< 3.4	3.4	1	1/11/2007	

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Page 1 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 17-Jan-07

CLIENT:	Mactec	Client Sample ID:	EFF
Lab Order:	07010165	Tag Number:	1282
Project:	South Mesa WQARF/4972-06-2050	Collection Date:	1/5/2007 2:35:00 PM
Lab ID:	07010165-01A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
Bromoethene(Vinyl Bromide)	< 0.50	0.50	< 1.1	1.1	1	1/11/2007	
Bromoform	< 0.50	0.50	< 5.2	5.2	1	1/11/2007	
Bromomethane	< 0.50	0.50	< 2.0	2.0	1	1/11/2007	
Carbon disulfide	< 0.50	0.50	< 1.6	1.6	1	1/11/2007	
Carbon tetrachloride	< 0.50	0.50	< 3.2	3.2	1	1/11/2007	
Chlorobenzene	< 0.50	0.50	< 2.4	2.4	1	1/11/2007	
Chloroethane	< 0.50	0.50	< 1.3	1.3	1	1/11/2007	
Chloroform	< 0.50	0.50	< 2.5	2.5	1	1/11/2007	
Chloromethane	0.59	0.50	1.2	1.0	1	1/11/2007	
cis-1,2-Dichloroethene	< 0.50	0.50	< 2.0	2.0	1	1/11/2007	
cis-1,3-Dichloropropene	< 0.50	0.50	< 2.3	2.3	1	1/11/2007	
Cyclohexane	< 0.50	0.50	< 1.7	1.7	1	1/11/2007	
Dibromochloromethane	< 0.50	0.50	< 4.3	4.3	1	1/11/2007	
Dichlorodifluoromethane(F-12)	0.69	0.50	3.5	2.5	1	1/11/2007	
Dichlorotetrafluoroethane(F-114)	< 0.50	0.50	< 3.6	3.6	1	1/11/2007	
Ethyl Acetate	< 0.50	0.50	< 1.8	1.8	1	1/11/2007	
Ethylbenzene	< 0.50	0.50	< 2.2	2.2	1	1/11/2007	
Heptane	< 0.50	0.50	< 2.1	2.1	1	1/11/2007	
Hexachlorobutadiene	< 1.0	1.0	< 11	11	1	1/11/2007	
Hexane	< 0.50	0.50	< 1.8	1.8	1	1/11/2007	
m&p-Xylene	< 1.0	1.0	< 4.4	4.4	1	1/11/2007	
Methyl tert-butyl ether	< 1.0	1.0	< 3.7	3.7	1	1/11/2007	
Methylene chloride	0.73	0.50	2.6	1.8	1	1/11/2007	
o-Xylene	< 0.50	0.50	< 2.2	2.2	1	1/11/2007	
Propene (Propylene)	1.5	0.50	2.6	0.88	1	1/11/2007	
Styrene	< 0.50	0.50	< 2.2	2.2	1	1/11/2007	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 2 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 17-Jan-07

CLIENT:	Mactec	Client Sample ID:	EFF
Lab Order:	07010165	Tag Number:	1282
Project:	South Mesa WQARF/4972-06-2050	Collection Date:	1/5/2007 2:35:00 PM
Lab ID:	07010165-01A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
Tetrachloroethene	< 0.50	0.50	< 3.4	3.4	1	1/11/2007	
Tetrahydrofuran	< 2.0	2.0	< 6.0	6.0	1	1/11/2007	
Toluene	1.2	0.50	4.6	1.9	1	1/11/2007	
trans-1,2-Dichloroethene	< 0.50	0.50	< 2.0	2.0	1	1/11/2007	
trans-1,3-Dichloropropene	< 0.50	0.50	< 2.3	2.3	1	1/11/2007	
Trichloroethene	< 0.50	0.50	< 2.8	2.8	1	1/11/2007	
Trichlorofluoromethane(F-11)	< 0.50	0.50	< 2.8	2.8	1	1/11/2007	
Trichlorotrifluoroethane(F-113)	< 0.50	0.50	< 3.9	3.9	1	1/11/2007	
Vinyl acetate	< 0.50	0.50	< 1.8	1.8	1	1/11/2007	
Vinyl chloride	< 0.50	0.50	< 1.3	1.3	1	1/11/2007	
Surr: 4-Bromofluorobenzene	97.6 %REC	70-130	-	-	1	1/11/2007	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Page 3 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 17-Jan-07

CLIENT:	Mactec	Client Sample ID:	INT
Lab Order:	07010165	Tag Number:	0243
Project:	South Mesa WQARF/4972-06-2050	Collection Date:	1/5/2007 2:40:00 PM
Lab ID:	07010165-02A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
1,1,1-Trichloroethane	< 10	10	< 55	55	20	1/11/2007	
1,1,2,2-Tetrachloroethane	< 10	10	< 70	70	20	1/11/2007	
1,1,2-Trichloroethane	< 10	10	< 55	55	20	1/11/2007	
1,1-Dichloroethane	< 10	10	< 41	41	20	1/11/2007	
1,1-Dichloroethene	< 10	10	< 40	40	20	1/11/2007	
1,2,4-Trichlorobenzene	< 40	40	< 300	300	20	1/11/2007	
1,2,4-Trimethylbenzene	< 10	10	< 50	50	20	1/11/2007	
1,2-Dibromoethane	< 10	10	< 78	78	20	1/11/2007	
1,2-Dichlorobenzene	< 10	10	< 61	61	20	1/11/2007	
1,2-Dichloroethane	< 10	10	< 41	41	20	1/11/2007	
1,2-Dichloropropane	< 10	10	< 47	47	20	1/11/2007	
1,3,5-Trimethylbenzene	< 10	10	< 50	50	20	1/11/2007	
1,3-Butadiene	< 10	10	< 22	22	20	1/11/2007	
1,3-Dichlorobenzene	< 10	10	< 61	61	20	1/11/2007	
1,4-Dichlorobenzene	< 10	10	< 61	61	20	1/11/2007	
2,2,4-Trimethylpentane	550	10	2600	47	D2	1/11/2007	
2-Butanone (MEK)	< 20	20	< 60	60	20	1/11/2007	
2-Hexanone	< 20	20	< 83	83	20	1/11/2007	
2-Propanol	< 40	40	< 100	100	20	1/11/2007	
4-Ethyltoluene	< 10	10	< 44	44	20	1/11/2007	
4-Methyl-2-pentanone	< 20	20	< 83	83	20	1/11/2007	
Acetone	< 100	100	< 240	240	20	1/11/2007	
Allyl chloride	< 10	10	< 16	16	20	1/11/2007	
Benzene	< 10	10	< 32	32	20	1/11/2007	
Benzyl chloride	< 40	40	< 210	210	20	1/11/2007	
Bromodichloromethane	< 10	10	< 68	68	20	1/11/2007	

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Page 4 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 17-Jan-07

CLIENT: Mactec
Lab Order: 07010165
Project: South Mesa WQARF/4972-06-2050
Lab ID: 07010165-02A

Client Sample ID: INT
Tag Number: 0243
Collection Date: 1/5/2007 2:40:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
Bromoethene(Vinyl Bromide)	< 10	10	< 22	22	20	1/11/2007	
Bromoform	< 10	10	< 100	100	20	1/11/2007	
Bromomethane	< 10	10	< 40	40	20	1/11/2007	
Carbon disulfide	< 10	10	< 32	32	20	1/11/2007	
Carbon tetrachloride	< 10	10	< 64	64	20	1/11/2007	
Chlorobenzene	< 10	10	< 47	47	20	1/11/2007	
Chloroethane	< 10	10	< 27	27	20	1/11/2007	
Chloroform	< 10	10	< 50	50	20	1/11/2007	
Chloromethane	< 10	10	< 21	21	20	1/11/2007	
cis-1,2-Dichloroethene	< 10	10	< 40	40	20	1/11/2007	
cis-1,3-Dichloropropene	< 10	10	< 46	46	20	1/11/2007	
Cyclohexane	< 10	10	< 35	35	20	1/11/2007	
Dibromochloromethane	< 10	10	< 86	86	20	1/11/2007	
Dichlorodifluoromethane(F-12)	< 10	10	< 50	50	20	1/11/2007	
Dichlorotetrafluoroethane(F-114)	< 10	10	< 71	71	20	1/11/2007	
Ethyl Acetate	< 10	10	< 37	37	20	1/11/2007	
Ethylbenzene	< 10	10	< 44	44	20	1/11/2007	
Heptane	< 10	10	< 42	42	20	1/11/2007	
Hexachlorobutadiene	< 20	20	< 220	220	20	1/11/2007	
Hexane	< 10	10	< 36	36	20	1/11/2007	
m&p-Xylene	< 20	20	< 88	88	20	1/11/2007	
Methyl tert-butyl ether	< 20	20	< 73	73	20	1/11/2007	
Methylene chloride	< 10	10	< 35	35	20	1/11/2007	
o-Xylene	< 10	10	< 44	44	20	1/11/2007	
Propene (Propylene)	< 10	10	< 18	18	20	1/11/2007	
Styrene	< 10	10	< 43	43	20	1/11/2007	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Page 5 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 17-Jan-07

CLIENT:	Mactec	Client Sample ID:	INT
Lab Order:	07010165	Tag Number:	0243
Project:	South Mesa WQARF/4972-06-2050	Collection Date:	1/5/2007 2:40:00 PM
Lab ID:	07010165-02A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
Tetrachloroethene	1500	25	10000	170	D2	50	1/11/2007
Tetrahydrofuran	< 40	40	< 120	120		20	1/11/2007
Toluene	< 10	10	< 38	38		20	1/11/2007
trans-1,2-Dichloroethene	< 10	10	< 40	40		20	1/11/2007
trans-1,3-Dichloropropene	< 10	10	< 46	46		20	1/11/2007
Trichloroethene	< 10	10	< 55	55		20	1/11/2007
Trichlorofluoromethane(F-11)	< 10	10	< 57	57		20	1/11/2007
Trichlorotrifluoroethane(F-113)	< 10	10	< 78	78		20	1/11/2007
Vinyl acetate	< 10	10	< 36	36		20	1/11/2007
Vinyl chloride	< 10	10	< 26	26		20	1/11/2007
Surr: 4-Bromofluorobenzene	94.5 %REC	70-130	-	-		20	1/11/2007
Surr: 4-Bromofluorobenzene	95.7 %REC	70-130	-	-		50	1/11/2007

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Page 6 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 17-Jan-07

CLIENT: Mactec

Client Sample ID: VW-7B

Lab Order: 07010165

Tag Number: 0317

Project: South Mesa WQARF/4972-06-2050

Collection Date: 1/5/2007 2:50:00 PM

Lab ID: 07010165-03A

Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
1,1,1-Trichloroethane	< 5.0	5.0	< 28	28	10	1/11/2007	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	< 35	35	10	1/11/2007	
1,1,2-Trichloroethane	< 5.0	5.0	< 28	28	10	1/11/2007	
1,1-Dichloroethane	7.5	5.0	31	21	10	1/11/2007	
1,1-Dichloroethene	< 5.0	5.0	< 20	20	10	1/11/2007	
1,2,4-Trichlorobenzene	< 20	20	< 150	150	10	1/11/2007	
1,2,4-Trimethylbenzene	< 5.0	5.0	< 25	25	10	1/11/2007	
1,2-Dibromoethane	< 5.0	5.0	< 39	39	10	1/11/2007	
1,2-Dichlorobenzene	< 5.0	5.0	< 31	31	10	1/11/2007	
1,2-Dichloroethane	< 5.0	5.0	< 21	21	10	1/11/2007	
1,2-Dichloropropane	< 5.0	5.0	< 24	24	10	1/11/2007	
1,3,5-Trimethylbenzene	< 5.0	5.0	< 25	25	10	1/11/2007	
1,3-Butadiene	< 5.0	5.0	< 11	11	10	1/11/2007	
1,3-Dichlorobenzene	< 5.0	5.0	< 31	31	10	1/11/2007	
1,4-Dichlorobenzene	< 5.0	5.0	< 31	31	10	1/11/2007	
2,2,4-Trimethylpentane	< 5.0	5.0	< 24	24	10	1/11/2007	
2-Butanone (MEK)	< 10	10	< 30	30	10	1/11/2007	
2-Hexanone	< 10	10	< 42	42	10	1/11/2007	
2-Propanol	< 20	20	< 50	50	10	1/11/2007	
4-Ethyltoluene	< 5.0	5.0	< 22	22	10	1/11/2007	
4-Methyl-2-pentanone	< 10	10	< 42	42	10	1/11/2007	
Acetone	< 50	50	< 120	120	10	1/11/2007	
Allyl chloride	< 5.0	5.0	< 8.0	8.0	10	1/11/2007	
Benzene	< 5.0	5.0	< 16	16	10	1/11/2007	
Benzyl chloride	< 20	20	< 110	110	10	1/11/2007	
Bromodichloromethane	< 5.0	5.0	< 34	34	10	1/11/2007	

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 7 of 9



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Aerotech Environmental Laboratories

Date: 17-Jan-07

CLIENT:	Mactec	Client Sample ID:	VW-7B
Lab Order:	07010165	Tag Number:	0317
Project:	South Mesa WQARF/4972-06-2050	Collection Date:	1/5/2007 2:50:00 PM
Lab ID:	07010165-03A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
Bromoethene(Vinyl Bromide)	< 5.0	5.0	< 11	11	10	1/11/2007	
Bromoform	< 5.0	5.0	< 52	52	10	1/11/2007	
Bromomethane	< 5.0	5.0	< 20	20	10	1/11/2007	
Carbon disulfide	< 5.0	5.0	< 16	16	10	1/11/2007	
Carbon tetrachloride	< 5.0	5.0	< 32	32	10	1/11/2007	
Chlorobenzene	< 5.0	5.0	< 24	24	10	1/11/2007	
Chloroethane	< 5.0	5.0	< 13	13	10	1/11/2007	
Chloroform	5.0	5.0	25	25	10	1/11/2007	
Chloromethane	< 5.0	5.0	< 10	10	10	1/11/2007	
cis-1,2-Dichloroethene	< 5.0	5.0	< 20	20	10	1/11/2007	
cis-1,3-Dichloropropene	< 5.0	5.0	< 23	23	10	1/11/2007	
Cyclohexane	< 5.0	5.0	< 17	17	10	1/11/2007	
Dibromochloromethane	< 5.0	5.0	< 43	43	10	1/11/2007	
Dichlorodifluoromethane(F-12)	< 5.0	5.0	< 25	25	10	1/11/2007	
Dichlorotetrafluoroethane(F-114)	< 5.0	5.0	< 36	36	10	1/11/2007	
Ethyl Acetate	< 5.0	5.0	< 18	18	10	1/11/2007	
Ethylbenzene	< 5.0	5.0	< 22	22	10	1/11/2007	
Heptane	< 5.0	5.0	< 21	21	10	1/11/2007	
Hexachlorobutadiene	< 10	10	< 110	110	10	1/11/2007	
Hexane	< 5.0	5.0	< 18	18	10	1/11/2007	
m&p-Xylene	< 10	10	< 44	44	10	1/11/2007	
Methyl tert-butyl ether	< 10	10	< 37	37	10	1/11/2007	
Methylene chloride	< 5.0	5.0	< 18	18	10	1/11/2007	
o-Xylene	< 5.0	5.0	< 22	22	10	1/11/2007	
Propene (Propylene)	< 5.0	5.0	< 8.8	8.8	10	1/11/2007	
Styrene	< 5.0	5.0	< 22	22	10	1/11/2007	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 8 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 17-Jan-07

CLIENT: Mactec
Lab Order: 07010165
Project: South Mesa WQARF/4972-06-2050
Lab ID: 07010165-03A

Client Sample ID: VW-7B
Tag Number: 0317
Collection Date: 1/5/2007 2:50:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
Tetrachloroethene	170	5.0	1200	34	D2	10	1/11/2007
Tetrahydrofuran	< 20	20	< 60	60		10	1/11/2007
Toluene	< 5.0	5.0	< 19	19		10	1/11/2007
trans-1,2-Dichloroethene	< 5.0	5.0	< 20	20		10	1/11/2007
trans-1,3-Dichloropropene	< 5.0	5.0	< 23	23		10	1/11/2007
Trichloroethene	< 5.0	5.0	< 28	28		10	1/11/2007
Trichlorofluoromethane(F-11)	< 5.0	5.0	< 28	28		10	1/11/2007
Trichlorotrifluoroethane(F-113)	< 5.0	5.0	< 39	39		10	1/11/2007
Vinyl acetate	< 5.0	5.0	< 18	18		10	1/11/2007
Vinyl chloride	< 5.0	5.0	< 13	13		10	1/11/2007
Surr: 4-Bromofluorobenzene	94.9 %REC	70-130	-	-		10	1/11/2007

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Page 9 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 17-Jan-07

CLIENT: Mactec

Work Order: 07010165

Project: South Mesa WQARF/4972-06-2050

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R82948	SampleType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 82948						
Client ID:	Batch ID: R82948	TestNo: TO15		Analysis Date: 1/11/2007	SeqNo: 985458						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	<0.50	0.50									
1,1,1,2,2-Tetrachloroethane	<0.50	0.50									
1,1,1,2-Trichloroethane	<0.50	0.50									
1,1-Dichloroethane	<0.50	0.50									
1,1-Dichloroethene	<0.50	0.50									
1,2,4-Trichlorobenzene	<2.0	2.0									
1,2,4-Trimethylbenzene	<0.50	0.50									
1,2-Dibromoethane	<0.50	0.50									
1,2-Dichlorobenzene	<0.50	0.50									
1,2-Dichloroethane	<0.50	0.50									
1,2-Dichloropropane	<0.50	0.50									
1,3,5-Trimethylbenzene	<0.50	0.50									
1,3-Butadiene	<0.50	0.50									
1,3-Dichlorobenzene	<0.50	0.50									
1,4-Dichlorobenzene	<0.50	0.50									
2,2,4-Trimethylpentane	<0.50	0.50									
2-Butanone (MEK)	<1.0	1.0									
2-Hexanone	<1.0	1.0									
2-Propanol	<2.0	2.0									
4-Ethyltoluene	<0.50	0.50									
4-Methyl-2-pentanone	<1.0	1.0									
Acetone	<5.0	5.0									
Allyl chloride	<0.50	0.50									
Benzene	<0.50	0.50									
Benzyl chloride	<2.0	2.0									
Bromodichloromethane	<0.50	0.50									
Bromoethene(Vinyl Bromide)	<0.50	0.50									
Bromoform	<0.50	0.50									

Qualifiers:	E Value above quantitation range		H	Holding times for preparation or analysis exceeded		J	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit		R	RPD outside accepted recovery limits		S	Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

CLIENT: Mactec
Work Order: 07010165
Project: South Mesa WQARF/4972-06-2050

Sample ID: MB-R82948	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 82948						
Client ID:	Batch ID: R82948	TestNo: TO15		Analysis Date: 1/11/2007	SeqNo: 985458						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	<0.50	0.50									
Carbon disulfide	<0.50	0.50									
Carbon tetrachloride	<0.50	0.50									
Chlorobenzene	<0.50	0.50									
Chloroethane	<0.50	0.50									
Chloroform	<0.50	0.50									
Chloromethane	<0.50	0.50									
cis-1,2-Dichloroethene	<0.50	0.50									
cis-1,3-Dichloropropene	<0.50	0.50									
Cyclohexane	<0.50	0.50									
Dibromochloromethane	<0.50	0.50									
Dichlorodifluoromethane(F-12)	<0.50	0.50									
Dichlorotetrafluoroethane(F-114)	<0.50	0.50									
Ethyl Acetate	<0.50	0.50									
Ethylbenzene	<0.50	0.50									
Heptane	<0.50	0.50									
Hexachlorobutadiene	<1.0	1.0									
Hexane	<0.50	0.50									
m&p-Xylene	<1.0	1.0									
Methyl tert-butyl ether	<1.0	1.0									
Methylene chloride	<0.50	0.50									
o-Xylene	<0.50	0.50									
Propene (Propylene)	<0.50	0.50									
Styrene	<0.50	0.50									
Tetrachloroethene	<0.50	0.50									
Tetrahydrofuran	<2.0	2.0									
Toluene	<0.50	0.50									
trans-1,2-Dichloroethene	<0.50	0.50									
trans-1,3-Dichloropropene	<0.50	0.50									

Qualifiers: E Value above quantitation range
 ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits

J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

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CLIENT:

Mactec

Work Order:

07010165

Project:

South Mesa WQARF/4972-06-2050

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R82948	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 82948						
Client ID:	Batch ID: R82948	TestNo: TO15		Analysis Date: 1/11/2007	SeqNo: 985458						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichloroethene	<0.50	0.50									
Trichlorofluoromethane(F-11)	<0.50	0.50									
Trichlorotrifluoroethane(F-113)	<0.50	0.50									
Vinyl acetate	<0.50	0.50									
Vinyl chloride	<0.50	0.50									
Surr: 4-Bromofluorobenzene	9.290	0.50	10	0	92.9	70	130				

Sample ID: LCS-R82948	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 82948						
Client ID:	Batch ID: R82948	TestNo: TO15		Analysis Date: 1/11/2007	SeqNo: 985459						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane	10.15	0.50	10	0	102	65	135				
1,1,2,2-Tetrachloroethane	8.660	0.50	10	0	86.6	65	135				
1,1,2-Trichloroethane	9.060	0.50	10	0	90.6	65	135				
1,1-Dichloroethane	10.00	0.50	10	0	100	65	135				
1,1-Dichloroethene	10.76	0.50	10	0	108	65	135				
1,2,4-Trichlorobenzene	9.550	2.0	10	0	95.5	65	135				
1,2,4-Trimethylbenzene	10.13	0.50	10	0	101	65	135				
1,2-Dibromoethane	9.420	0.50	10	0	94.2	65	135				
1,2-Dichlorobenzene	8.870	0.50	10	0	88.7	65	135				
1,2-Dichloroethane	10.04	0.50	10	0	100	65	135				
1,2-Dichloropropane	9.490	0.50	10	0	94.9	65	135				
1,3,5-Trimethylbenzene	9.290	0.50	10	0	92.9	65	135				
1,3-Butadiene	9.660	0.50	10	0	96.6	65	135				
1,3-Dichlorobenzene	8.790	0.50	10	0	87.9	65	135				
1,4-Dichlorobenzene	8.880	0.50	10	0	88.8	65	135				
2,2,4-Trimethylpentane	9.700	0.50	10	0	97.0	65	135				
2-Butanone (MEK)	10.62	1.0	10	0	106	65	135				
2-Hexanone	11.66	1.0	10	0	117	65	135				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Mactec

Work Order: 07010165

Project: South Mesa WQARF/4972-06-2050

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R82948	Sample Type: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 82948						
Client ID:	Batch ID: R82948	TestNo: TO15		Analysis Date: 1/11/2007	SeqNo: 985459						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Propanol	11.04	2.0	10	0	110	65	135				
4-Ethyltoluene	9.820	0.50	10	0	98.2	65	135				
4-Methyl-2-pentanone	11.60	1.0	10	0	116	65	135				
Acetone	8.090	5.0	10	0	80.9	65	135				
Allyl chloride	10.57	0.50	10	0	106	65	135				
Benzene	10.46	0.50	10	0	105	65	135				
Benzyl chloride	9.500	2.0	10	0	95.0	65	135				
Bromodichloromethane	9.190	0.50	10	0	91.9	65	135				
Bromoethene(Vinyl Bromide)	8.680	0.50	10	0	86.8	65	135				
Bromoform	8.780	0.50	10	0	87.8	65	135				
Bromomethane	9.230	0.50	10	0	92.3	65	135				
Carbon disulfide	9.760	0.50	10	0	97.6	65	135				
Carbon tetrachloride	9.600	0.50	10	0	96.0	65	135				
Chlorobenzene	8.610	0.50	10	0	86.1	65	135				
Chloroethane	9.350	0.50	10	0	93.5	65	135				
Chloroform	9.890	0.50	10	0	98.9	65	135				
Chloromethane	9.640	0.50	10	0	96.4	65	135				
cis-1,2-Dichloroethene	10.07	0.50	10	0	101	65	135				
cis-1,3-Dichloropropene	10.05	0.50	10	0	100	65	135				
Cyclohexane	10.41	0.50	10	0	104	65	135				
Dibromochloromethane	9.160	0.50	10	0	91.6	65	135				
Dichlorodifluoromethane(F-12)	10.01	0.50	10	0	100	65	135				
Dichlorotetrafluoroethane(F-114)	9.750	0.50	10	0	97.5	65	135				
Ethyl Acetate	10.59	0.50	10	0	106	65	135				
Ethylbenzene	9.520	0.50	10	0	95.2	65	135				
Heptane	9.450	0.50	10	0	94.5	65	135				
Hexachlorobutadiene	8.900	1.0	10	0	89.0	65	135				
Hexane	10.00	0.50	10	0	100	65	135				
m&p-Xylene	18.55	1.0	20	0	92.8	65	135				

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT:

Mactec

Work Order:

07010165

Project:

South Mesa WQARF/4972-06-2050

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R82948	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 82948						
Client ID:	Batch ID: R82948	TestNo: TO15		Analysis Date: 1/11/2007	SeqNo: 985459						
Analyte	Result	PQL	SPK value	SPK RefVal	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	11.04	1.0	10	0	110	65	135				
Methylene chloride	9.380	0.50	10	0	93.8	65	135				
o-Xylene	9.080	0.50	10	0	90.8	65	135				
Propene (Propylene)	10.40	0.50	10	0	104	65	135				
Styrene	10.08	0.50	10	0	101	65	135				
Tetrachloroethene	9.780	0.50	10	0	97.8	65	135				
Tetrahydrofuran	10.85	2.0	10	0	108	65	135				
Toluene	9.810	0.50	10	0	98.1	65	135				
trans-1,2-Dichloroethene	10.13	0.50	10	0	101	65	135				
trans-1,3-Dichloropropene	10.41	0.50	10	0	104	65	135				
Trichloroethene	10.13	0.50	10	0	101	65	135				
Trichlorofluoromethane(F-11)	8.380	0.50	10	0	83.8	65	135				
Trichlorotrifluoroethane(F-113)	9.640	0.50	10	0	96.4	65	135				
Vinyl acetate	10.19	0.50	10	0	102	65	135				
Vinyl chloride	9.730	0.50	10	0	97.3	65	135				
Surr: 4-Bromofluorobenzene	9.880	0.50	10	0	98.8	70	130				

Sample ID: LCSD-R82948	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 82948						
Client ID:	Batch ID: R82948	TestNo: TO15		Analysis Date: 1/11/2007	SeqNo: 985460						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	10.06	0.50	10	0	101	65	135	10.15	0.891	0	0
1,1,2,2-Tetrachloroethane	10.13	0.50	10	0	101	65	135	8.660	15.6	0	0
1,1,2-Trichloroethane	10.11	0.50	10	0	101	65	135	9.060	11.0	0	0
1,1-Dichloroethane	9.940	0.50	10	0	99.4	65	135	10.00	0.602	0	0
1,1-Dichloroethene	10.63	0.50	10	0	106	65	135	10.76	1.22	0	0
1,2,4-Trichlorobenzene	11.25	2.0	10	0	112	65	135	9.550	16.3	0	0
1,2,4-Trimethylbenzene	11.68	0.50	10	0	117	65	135	10.13	14.2	0	0
1,2-Dibromoethane	10.33	0.50	10	0	103	65	135	9.420	9.22	0	0

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT:

Mactec

Work Order:

07010165

Project:

South Mesa WQARF/4972-06-2050

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCSD-R82948	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 82948						
Client ID:	Batch ID: R82948	TestNo: TO15		Analysis Date: 1/11/2007	SeqNo: 985460						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichlorobenzene	10.25	0.50	10	0	103	65	135	8.870	14.4	0	0
1,2-Dichloroethane	9.790	0.50	10	0	97.9	65	135	10.04	2.52	0	0
1,2-Dichloropropane	10.32	0.50	10	0	103	65	135	9.490	8.38	0	0
1,3,5-Trimethylbenzene	10.71	0.50	10	0	107	65	135	9.290	14.2	0	0
1,3-Butadiene	9.490	0.50	10	0	94.9	65	135	9.660	1.78	0	0
1,3-Dichlorobenzene	10.38	0.50	10	0	104	65	135	8.790	16.6	0	0
1,4-Dichlorobenzene	10.43	0.50	10	0	104	65	135	8.880	16.1	0	0
2,2,4-Trimethylpentane	10.19	0.50	10	0	102	65	135	9.700	4.93	0	0
2-Butanone (MEK)	10.83	1.0	10	0	108	65	135	10.62	1.96	0	0
2-Hexanone	10.07	1.0	10	0	101	65	135	11.66	14.6	0	0
2-Propanol	9.770	2.0	10	0	97.7	65	135	11.04	12.2	0	0
4-Ethyltoluene	11.33	0.50	10	0	113	65	135	9.820	14.3	0	0
4-Methyl-2-pentanone	9.700	1.0	10	0	97.0	65	135	11.60	17.8	0	0
Acetone	8.350	5.0	10	0	83.5	65	135	8.090	3.16	0	0
Allyl chloride	10.59	0.50	10	0	106	65	135	10.57	0.189	0	0
Benzene	10.35	0.50	10	0	104	65	135	10.46	1.06	0	0
Benzyl chloride	11.18	2.0	10	0	112	65	135	9.500	16.2	0	0
Bromodichloromethane	9.860	0.50	10	0	98.6	65	135	9.190	7.03	0	0
Bromoethene(Vinyl Bromide)	8.630	0.50	10	0	86.3	65	135	8.680	0.578	0	0
Bromoform	10.07	0.50	10	0	101	65	135	8.780	13.7	0	0
Bromomethane	9.210	0.50	10	0	92.1	65	135	9.230	0.217	0	0
Carbon disulfide	9.870	0.50	10	0	98.7	65	135	9.760	1.12	0	0
Carbon tetrachloride	9.760	0.50	10	0	97.6	65	135	9.600	1.65	0	0
Chlorobenzene	9.970	0.50	10	0	99.7	65	135	8.610	14.6	0	0
Chloroethane	8.920	0.50	10	0	89.2	65	135	9.350	4.71	0	0
Chloroform	9.880	0.50	10	0	98.8	65	135	9.890	0.101	0	0
Chloromethane	9.750	0.50	10	0	97.5	65	135	9.640	1.13	0	0
cis-1,2-Dichloroethene	10.20	0.50	10	0	102	65	135	10.07	1.28	0	0
cis-1,3-Dichloropropene	10.98	0.50	10	0	110	65	135	10.05	8.84	0	0

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT:

Mactec

Work Order:

07010165

Project:

South Mesa WQARF/4972-06-2050

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCSD-R82948	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 82948						
Client ID:	Batch ID: R82948	TestNo: TO15		Analysis Date: 1/11/2007	SeqNo: 985460						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyclohexane	10.45	0.50	10	0	104	65	135	10.41	0.384	0	0
Dibromochloromethane	10.20	0.50	10	0	102	65	135	9.160	10.7	0	0
Dichlorodifluoromethane(F-12)	10.04	0.50	10	0	100	65	135	10.01	0.299	0	0
Dichlorotetrafluoroethane(F-114)	9.690	0.50	10	0	96.9	65	135	9.750	0.617	0	0
Ethyl Acetate	10.31	0.50	10	0	103	65	135	10.59	2.68	0	0
Ethylbenzene	11.08	0.50	10	0	111	65	135	9.520	15.1	0	0
Heptane	9.950	0.50	10	0	99.5	65	135	9.450	5.15	0	0
Hexachlorobutadiene	10.70	1.0	10	0	107	65	135	8.900	18.4	0	0
Hexane	10.13	0.50	10	0	101	65	135	10.00	1.29	0	0
m&p-Xylene	21.21	1.0	20	0	106	65	135	18.55	13.4	0	0
Methyl tert-butyl ether	10.47	1.0	10	0	105	65	135	11.04	5.30	0	0
Methylene chloride	9.310	0.50	10	0	93.1	65	135	9.380	0.749	0	0
o-Xylene	10.47	0.50	10	0	105	65	135	9.080	14.2	0	0
Propene (Propylene)	10.08	0.50	10	0	101	65	135	10.40	3.12	0	0
Styrene	11.75	0.50	10	0	118	65	135	10.08	15.3	0	0
Tetrachloroethene	10.49	0.50	10	0	105	65	135	9.780	7.01	0	0
Tetrahydrofuran	10.40	2.0	10	0	104	65	135	10.85	4.24	0	0
Toluene	10.93	0.50	10	0	109	65	135	9.810	10.8	0	0
trans-1,2-Dichloroethene	10.17	0.50	10	0	102	65	135	10.13	0.394	0	0
trans-1,3-Dichloropropene	11.57	0.50	10	0	116	65	135	10.41	10.6	0	0
Trichloroethene	10.69	0.50	10	0	107	65	135	10.13	5.38	0	0
Trichlorofluoromethane(F-11)	8.420	0.50	10	0	84.2	65	135	8.380	0.476	0	0
Trichlorotrifluoroethane(F-113)	9.660	0.50	10	0	96.6	65	135	9.640	0.207	0	0
Vinyl acetate	10.90	0.50	10	0	109	65	135	10.19	6.73	0	0
Vinyl chloride	9.560	0.50	10	0	95.6	65	135	9.730	1.76	0	0
Surr: 4-Bromofluorobenzene	10.04	0.50	10	0	100	70	130	9.880	0	0	0

Qualifiers:

E Value above quantitation range

ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits

J Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits

Aerotech Environmental Laboratories Sample Receipt Checklist

Project Checked By: RF

Laboratory Number: <u>07-01-0165</u>	Checklist completed by: <u>07-01-0165</u>
Client Name: <u>nactec</u>	Signature/Date: <u>RF</u>
Matrix: <u>Air</u>	Carrier Name: <u>Mark</u>
Date/Time Rec'd: <u>1/6/07 1152</u>	By: <u>RF</u>

 Temperature of Samples? Amb °C Circle one: Blue Ice ☐ Wet Ice ☐ Not Present ☒

	Yes	No*	Not Present	Soil Containers:
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	Brass Sleeve <input type="checkbox"/>
Custody seals intact on shipping container/cooler?			<input checked="" type="checkbox"/>	Glass Jar <input type="checkbox"/>
Custody seals intact on sample containers?			<input checked="" type="checkbox"/>	Methanol <input type="checkbox"/>
Chain of Custody present and relinquished/received properly?	<input checked="" type="checkbox"/>			Plastic Bag <input type="checkbox"/>
Chain of Custody agrees with sample labels?	<input checked="" type="checkbox"/>			Encore Samplers <input type="checkbox"/>
Samples in proper containers/bottles?	<input checked="" type="checkbox"/>			
Sample containers intact?	<input checked="" type="checkbox"/>			
All samples received within holding time?	<input checked="" type="checkbox"/>			
Is there sufficient sample volume to perform the tests?	<input checked="" type="checkbox"/>			**See Comment about Chlorine and pH
40mL vials for volatiles & SOCs received with zero headspace?	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	

Total number of bottles received: <u>3</u>	IH sample media:
If applicable, how many sample bottles were shipped from AEL-Tucson?	<u>N/A</u> <input checked="" type="checkbox"/>

Number of containers received by preservative and by sample number. (If more than 15 samples are rec'd, please continue on separate sheet(s))

Preservative	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A-General	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>												
B-HNO3															
C-H2SO4															
D-HCl															
E-Na2S2O3															
F-NaOH															
G-Sulfide															
H-Na Sulfite															
I-MCAA															
J-Methanol															
K-HAA															
L-Other															

 Water pH acceptable upon receipt? Yes ☐ No ☐ N/A ☒

Preservative & pH	pH of samples upon receipt	If pH requires adjustment, list sample number, and reagent ID. number
Metals <2		
Nutrients <2		
Total Phenols <2		
413 (O&G) <2		
418 (TPH) <2		
Cyanide >12		
Sulfide >9		

*Any No response must be detailed in the comments section below. Contact the PM immediately to determine how to proceed. Refer to SOP 11-001.04, Section 1.8.6. Continue on back if additional space is needed.

**The holding time for pH and Total Residual Chlorine analysis is immediate. For the most accurate result, the pH and Total Residual Chlorine should be taken in the field within 15 minutes of sampling.

Comments:

Corrective Action:



Aerotech Environmental Laboratories

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A Division of

Aerotech Laboratories, Inc.

[] Main Lab - 4645 E. Cotton Center Blvd., Building 3, Suite 189, Phoenix, AZ 85040 602.437.3340 - FAX 623.445.6192

[] North Phoenix - 1501 W. Knudsen, Phoenix, AZ 85027 623.780.4800 - FAX 623.445.6216

[] Tucson - 4455 S. Park Ave, Suite 110, Tucson, AZ 85714 520.807.3801 - FAX 520.807.3803

www.aerotechlabs.com or call toll-free 866.772.5227

Lab Number:

07-01-0165

Customer Number:		Page 1 of 1										
Customer: MATREC, INC		Sampler: MARK HAMMER										
Address: 3630 E WIER AVE		Project Name: SOUTH DESA										
City, State, Zip: PHX, AZ 85040		Project Number: 4972-06-2050										
Contact: JIM CLARKE		P.O. Number:										
Phone: 602 437-0250		Fax Results: 0 N										
E-Mail Address: JIMCLARKE@MATREC.COM		E-Mail Results: 0 N										
Sample Receipt		Turn Around Request										
Temperature: 44MB °C	Yes No X	24 Hours	48 Hours									
Custody Seals: Yes No X		72 Hours										
Custody Seals Intact: Yes No X		5 working Day										
Total # of Containers: 3		X Standard 10 Working Days										
Subject to scheduling and availability (surcharges apply)												
Sample Information												
Lab #	Canister Serial #	Model	Sample Identification	Date	Time	Type	Final	Receipt	TO-14 List of TO-15	TO-15 list	PCE Only by TO-15	Analyses Requested
1	1282	6, 1, 0.4	EFF	11/5/17	1435					X		
2	0243	6, 1, 0.4	INT	11/5/17	1440					X		
3	0317	6, 1, 0.4	VW-7B	11/5/17	1450					X		
		6, 1, 0.4										
		6, 1, 0.4										
		6, 1, 0.4										
		6, 1, 0.4										
		6, 1, 0.4										
		6, 1, 0.4										
		6, 1, 0.4										
		6, 1, 0.4										
Instructions / Special Requirements:												

Date: 11/6/17

Time: 1152

Samples Relinquished By: Mark Hammer

Received By: [Signature]



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Wednesday, February 21, 2007

Jim Clarke
Mactec
3630 East Wier Avenue
Phoenix, AZ 85040

TEL: (602) 437-0250

FAX (602) 437-3675

RE: South Mesa/4972-04-2034

Order No.: 07020525

Dear Jim Clarke:

Aerotech Environmental Laboratories received 3 sample(s) on 2/16/2007 for the analyses presented in the following report.

This report includes the following information:

- Case Narrative.
- Analytical Report: includes test results, report limit (Limit), any applicable data qualifier (Qual), units, dilution factor (DF), and date analyzed.
- QC Summary Report.

This communication is intended only for the individual or entity to whom it is directed. It may contain information that is privileged, confidential, or otherwise exempt from disclosure under applicable law. Dissemination, distribution, or copying of this communication by anyone other than the intended recipient, or a duly designated employee or agent of such recipient, is prohibited. If you have received this communication in error, please notify us immediately and destroy this message and all attachments thereto. If you have any questions regarding these test results, please do not hesitate to call.

Sincerely,

Tim Trestrail

Project Manager

MAC 2/21/07



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental Laboratories

Date: 21-Feb-07

CLIENT: Mactec
Project: South Mesa/4972-04-2034
Lab Order: 07020525

CASE NARRATIVE

Samples were analyzed using methods outlined in references such as:

- Standard Methods for the Examination of Water and Wastewater, 19th Edition, 1995.
- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.
- Methods for the Determination of Organic Compounds in Drinking Water: Supplement III, EPA/600/R-95/131, August 1995.
- Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.
- 40 CFR, Part 136, Revised 1998. Appendix A to Part 136 - Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater.
- NIOSH Manual of Analytical Methods, Fourth Edition, 1994.
- Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.

Aerotech Environmental Laboratories (AEL) holds Arizona certification no. AZ0610.

Aerotech Environmental Laboratories (Laboratory 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.

Analytical Comments:

All method blanks and laboratory control spikes met EPA method and/or laboratory quality control objectives for the analyses included in this report.

Data Qualifiers:

Listed below are the data qualifiers used in your analytical report to explain any analytical or quality control issues. You will find them noted in your report under the column header "QUAL". Any quality control deficiencies that cannot be adequately described by these qualifiers will be addressed in the analytical comments section of this case narrative.

D2 Sample required dilution due to high concentration of target analyte.



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental Laboratories

Date: 21-Feb-07

CLIENT:	Mactec	Client Sample ID:	EFF
Lab Order:	07020525	Tag Number:	1335
Project:	South Mesa/4972-04-2034	Collection Date:	2/16/2007 10:30:00 AM
Lab ID:	07020525-01A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
1,1,1-Trichloroethane	< 0.50	0.50	< 2.8	2.8	1	2/19/2007	
1,1,2,2-Tetrachloroethane	< 0.50	0.50	< 3.5	3.5	1	2/19/2007	
1,1,2-Trichloroethane	< 0.50	0.50	< 2.8	2.8	1	2/19/2007	
1,1-Dichloroethane	< 0.50	0.50	< 2.1	2.1	1	2/19/2007	
1,1-Dichloroethene	< 0.50	0.50	< 2.0	2.0	1	2/19/2007	
1,2,4-Trichlorobenzene	< 2.0	2.0	< 15	15	1	2/19/2007	
1,2,4-Trimethylbenzene	2.1	0.50	10	2.5	1	2/19/2007	
1,2-Dibromoethane	< 0.50	0.50	< 3.9	3.9	1	2/19/2007	
1,2-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1	2/19/2007	
1,2-Dichloroethane	< 0.50	0.50	< 2.1	2.1	1	2/19/2007	
1,2-Dichloropropane	< 0.50	0.50	< 2.4	2.4	1	2/19/2007	
1,3,5-Trimethylbenzene	0.56	0.50	2.8	2.5	1	2/19/2007	
1,3-Butadiene	< 0.50	0.50	< 1.1	1.1	1	2/19/2007	
1,3-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1	2/19/2007	
1,4-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1	2/19/2007	
2,2,4-Trimethylpentane	0.57	0.50	2.7	2.4	1	2/19/2007	
2-Butanone (MEK)	< 1.0	1.0	< 3.0	3.0	1	2/19/2007	
2-Hexanone	< 1.0	1.0	< 4.2	4.2	1	2/19/2007	
2-Propanol	< 2.0	2.0	< 5.0	5.0	1	2/19/2007	
4-Ethyltoluene	0.70	0.50	3.1	2.2	1	2/19/2007	
4-Methyl-2-pentanone	< 1.0	1.0	< 4.2	4.2	1	2/19/2007	
Acetone	6.6	5.0	16	12	1	2/19/2007	
Allyl chloride	< 0.50	0.50	< 0.80	0.80	1	2/19/2007	
Benzene	0.64	0.50	2.1	1.6	1	2/19/2007	
Benzyl chloride	< 2.0	2.0	< 11	11	1	2/19/2007	
Bromodichloromethane	< 0.50	0.50	< 3.4	3.4	1	2/19/2007	

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Page 1 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 21-Feb-07

CLIENT:	Mactec	Client Sample ID:	EFF
Lab Order:	07020525	Tag Number:	1335
Project:	South Mesa/4972-04-2034	Collection Date:	2/16/2007 10:30:00 AM
Lab ID:	07020525-01A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
Bromoethene(Vinyl Bromide)	< 0.50	0.50	< 1.1	1.1	1	2/19/2007	
Bromoform	< 0.50	0.50	< 5.2	5.2	1	2/19/2007	
Bromomethane	< 0.50	0.50	< 2.0	2.0	1	2/19/2007	
Carbon disulfide	< 0.50	0.50	< 1.6	1.6	1	2/19/2007	
Carbon tetrachloride	< 0.50	0.50	< 3.2	3.2	1	2/19/2007	
Chlorobenzene	< 0.50	0.50	< 2.4	2.4	1	2/19/2007	
Chloroethane	< 0.50	0.50	< 1.3	1.3	1	2/19/2007	
Chloroform	< 0.50	0.50	< 2.5	2.5	1	2/19/2007	
Chloromethane	0.71	0.50	1.5	1.0	1	2/19/2007	
cis-1,2-Dichloroethene	< 0.50	0.50	< 2.0	2.0	1	2/19/2007	
cis-1,3-Dichloropropene	< 0.50	0.50	< 2.3	2.3	1	2/19/2007	
Cyclohexane	< 0.50	0.50	< 1.7	1.7	1	2/19/2007	
Dibromochloromethane	< 0.50	0.50	< 4.3	4.3	1	2/19/2007	
Dichlorodifluoromethane(F-12)	0.77	0.50	3.9	2.5	1	2/19/2007	
Dichlorotetrafluoroethane(F-114)	< 0.50	0.50	< 3.6	3.6	1	2/19/2007	
Ethyl Acetate	< 0.50	0.50	< 1.8	1.8	1	2/19/2007	
Ethylbenzene	1.3	0.50	5.7	2.2	1	2/19/2007	
Heptane	< 0.50	0.50	< 2.1	2.1	1	2/19/2007	
Hexachlorobutadiene	< 1.0	1.0	< 11	11	1	2/19/2007	
Hexane	< 0.50	0.50	< 1.8	1.8	1	2/19/2007	
m&p-Xylene	4.9	1.0	22	4.4	1	2/19/2007	
Methyl tert-butyl ether	< 1.0	1.0	< 3.7	3.7	1	2/19/2007	
Methylene chloride	< 0.50	0.50	< 1.8	1.8	1	2/19/2007	
o-Xylene	2.2	0.50	9.7	2.2	1	2/19/2007	
Propene (Propylene)	0.68	0.50	1.2	0.88	1	2/19/2007	
Styrene	< 0.50	0.50	< 2.2	2.2	1	2/19/2007	

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	* - Value exceeds Maximum Contaminant Level	

Page 2 of 9



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Aerotech Environmental Laboratories

Date: 21-Feb-07

CLIENT: Mactec
Lab Order: 07020525
Project: South Mesa/4972-04-2034
Lab ID: 07020525-01A

Client Sample ID: EFF
Tag Number: 1335
Collection Date: 2/16/2007 10:30:00 AM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
Tetrachloroethene	< 0.50	0.50	< 3.4	3.4	1	2/19/2007	
Tetrahydrofuran	< 2.0	2.0	< 6.0	6.0	1	2/19/2007	
Toluene	5.0	0.50	19	1.9	1	2/19/2007	
trans-1,2-Dichloroethene	< 0.50	0.50	< 2.0	2.0	1	2/19/2007	
trans-1,3-Dichloropropene	< 0.50	0.50	< 2.3	2.3	1	2/19/2007	
Trichloroethene	< 0.50	0.50	< 2.8	2.8	1	2/19/2007	
Trichlorofluoromethane(F-11)	< 0.50	0.50	< 2.8	2.8	1	2/19/2007	
Trichlorotrifluoroethane(F-113)	< 0.50	0.50	< 3.9	3.9	1	2/19/2007	
Vinyl acetate	< 0.50	0.50	< 1.8	1.8	1	2/19/2007	
Vinyl chloride	< 0.50	0.50	< 1.3	1.3	1	2/19/2007	
Surr: 4-Bromofluorobenzene	111 %REC	70-130	-	-	1	2/19/2007	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Page 3 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 21-Feb-07

CLIENT:	Mactec	Client Sample ID:	INT
Lab Order:	07020525	Tag Number:	0927
Project:	South Mesa/4972-04-2034	Collection Date:	2/16/2007 10:40:00 AM
Lab ID:	07020525-02A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
1,1,1-Trichloroethane	< 25	25	< 140	140	50	2/19/2007	
1,1,2,2-Tetrachloroethane	< 25	25	< 170	170	50	2/19/2007	
1,1,2-Trichloroethane	< 25	25	< 140	140	50	2/19/2007	
1,1-Dichloroethane	< 25	25	< 100	100	50	2/19/2007	
1,1-Dichloroethene	< 25	25	< 100	100	50	2/19/2007	
1,2,4-Trichlorobenzene	< 100	100	< 750	750	50	2/19/2007	
1,2,4-Trimethylbenzene	< 25	25	< 120	120	50	2/19/2007	
1,2-Dibromoethane	< 25	25	< 200	200	50	2/19/2007	
1,2-Dichlorobenzene	< 25	25	< 150	150	50	2/19/2007	
1,2-Dichloroethane	< 25	25	< 100	100	50	2/19/2007	
1,2-Dichloropropane	< 25	25	< 120	120	50	2/19/2007	
1,3,5-Trimethylbenzene	< 25	25	< 120	120	50	2/19/2007	
1,3-Butadiene	< 25	25	< 56	56	50	2/19/2007	
1,3-Dichlorobenzene	< 25	25	< 150	150	50	2/19/2007	
1,4-Dichlorobenzene	< 25	25	< 150	150	50	2/19/2007	
2,2,4-Trimethylpentane	640	25	3000	120	D2	50	2/19/2007
2-Butanone (MEK)	< 50	50	< 150	150	50	2/19/2007	
2-Hexanone	< 50	50	< 210	210	50	2/19/2007	
2-Propanol	< 100	100	< 250	250	50	2/19/2007	
4-Ethyltoluene	< 25	25	< 110	110	50	2/19/2007	
4-Methyl-2-pentanone	< 50	50	< 210	210	50	2/19/2007	
Acetone	< 250	250	< 600	600	50	2/19/2007	
Allyl chloride	< 25	25	< 40	40	50	2/19/2007	
Benzene	< 25	25	< 81	81	50	2/19/2007	
Benzyl chloride	< 100	100	< 530	530	50	2/19/2007	
Bromodichloromethane	< 25	25	< 170	170	50	2/19/2007	

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	* - Value exceeds Maximum Contaminant Level	

Page 4 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 21-Feb-07

CLIENT:	Mactec	Client Sample ID:	INT
Lab Order:	07020525	Tag Number:	0927
Project:	South Mesa/4972-04-2034	Collection Date:	2/16/2007 10:40:00 AM
Lab ID:	07020525-02A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
Bromoethene(Vinyl Bromide)	< 25	25	< 56	56	50	2/19/2007	
Bromoform	< 25	25	< 260	260	50	2/19/2007	
Bromomethane	< 25	25	< 99	99	50	2/19/2007	
Carbon disulfide	< 25	25	< 79	79	50	2/19/2007	
Carbon tetrachloride	< 25	25	< 160	160	50	2/19/2007	
Chlorobenzene	< 25	25	< 120	120	50	2/19/2007	
Chloroethane	< 25	25	< 67	67	50	2/19/2007	
Chloroform	< 25	25	< 120	120	50	2/19/2007	
Chloromethane	< 25	25	< 52	52	50	2/19/2007	
cis-1,2-Dichloroethene	< 25	25	< 100	100	50	2/19/2007	
cis-1,3-Dichloropropene	< 25	25	< 120	120	50	2/19/2007	
Cyclohexane	< 25	25	< 87	87	50	2/19/2007	
Dibromochloromethane	< 25	25	< 220	220	50	2/19/2007	
Dichlorodifluoromethane(F-12)	< 25	25	< 130	130	50	2/19/2007	
Dichlorotetrafluoroethane(F-114)	< 25	25	< 180	180	50	2/19/2007	
Ethyl Acetate	< 25	25	< 92	92	50	2/19/2007	
Ethylbenzene	< 25	25	< 110	110	50	2/19/2007	
Heptane	< 25	25	< 100	100	50	2/19/2007	
Hexachlorobutadiene	< 50	50	< 540	540	50	2/19/2007	
Hexane	< 25	25	< 89	89	50	2/19/2007	
m&p-Xylene	< 50	50	< 220	220	50	2/19/2007	
Methyl tert-butyl ether	< 50	50	< 180	180	50	2/19/2007	
Methylene chloride	< 25	25	< 88	88	50	2/19/2007	
o-Xylene	< 25	25	< 110	110	50	2/19/2007	
Propene (Propylene)	< 25	25	< 44	44	50	2/19/2007	
Styrene	< 25	25	< 110	110	50	2/19/2007	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Page 5 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 21-Feb-07

CLIENT:	Mactec	Client Sample ID:	INT
Lab Order:	07020525	Tag Number:	0927
Project:	South Mesa/4972-04-2034	Collection Date:	2/16/2007 10:40:00 AM
Lab ID:	07020525-02A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
Tetrachloroethene	2000	25	14000	170	D2	50	2/19/2007
Tetrahydrofuran	< 100	100	< 300	300		50	2/19/2007
Toluene	< 25	25	< 96	96		50	2/19/2007
trans-1,2-Dichloroethene	< 25	25	< 100	100		50	2/19/2007
trans-1,3-Dichloropropene	< 25	25	< 120	120		50	2/19/2007
Trichloroethene	< 25	25	< 140	140		50	2/19/2007
Trichlorofluoromethane(F-11)	< 25	25	< 140	140		50	2/19/2007
Trichlorotrifluoroethane(F-113)	< 25	25	< 190	190		50	2/19/2007
Vinyl acetate	< 25	25	< 89	89		50	2/19/2007
Vinyl chloride	< 25	25	< 65	65		50	2/19/2007
Surr: 4-Bromofluorobenzene	109 %REC	70-130	-	-		50	2/19/2007

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	* - Value exceeds Maximum Contaminant Level	

Page 6 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 21-Feb-07

CLIENT: Mactec
Lab Order: 07020525
Project: South Mesa/4972-04-2034
Lab ID: 07020525-03A

Client Sample ID: VW-7B
Tag Number: 0202
Collection Date: 2/16/2007 10:55:00 AM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
1,1,1-Trichloroethane	< 10	10	< 55	55	20	2/19/2007	
1,1,2,2-Tetrachloroethane	< 10	10	< 70	70	20	2/19/2007	
1,1,2-Trichloroethane	< 10	10	< 55	55	20	2/19/2007	
1,1-Dichloroethane	< 10	10	< 41	41	20	2/19/2007	
1,1-Dichloroethene	< 10	10	< 40	40	20	2/19/2007	
1,2,4-Trichlorobenzene	< 40	40	< 300	300	20	2/19/2007	
1,2,4-Trimethylbenzene	< 10	10	< 50	50	20	2/19/2007	
1,2-Dibromoethane	< 10	10	< 78	78	20	2/19/2007	
1,2-Dichlorobenzene	< 10	10	< 61	61	20	2/19/2007	
1,2-Dichloroethane	< 10	10	< 41	41	20	2/19/2007	
1,2-Dichloropropane	< 10	10	< 47	47	20	2/19/2007	
1,3,5-Trimethylbenzene	< 10	10	< 50	50	20	2/19/2007	
1,3-Butadiene	< 10	10	< 22	22	20	2/19/2007	
1,3-Dichlorobenzene	< 10	10	< 61	61	20	2/19/2007	
1,4-Dichlorobenzene	< 10	10	< 61	61	20	2/19/2007	
2,2,4-Trimethylpentane	< 10	10	< 47	47	20	2/19/2007	
2-Butanone (MEK)	< 20	20	< 60	60	20	2/19/2007	
2-Hexanone	< 20	20	< 83	83	20	2/19/2007	
2-Propanol	< 40	40	< 100	100	20	2/19/2007	
4-Ethyltoluene	< 10	10	< 44	44	20	2/19/2007	
4-Methyl-2-pentanone	< 20	20	< 83	83	20	2/19/2007	
Acetone	< 100	100	< 240	240	20	2/19/2007	
Allyl chloride	< 10	10	< 16	16	20	2/19/2007	
Benzene	< 10	10	< 32	32	20	2/19/2007	
Benzyl chloride	< 40	40	< 210	210	20	2/19/2007	
Bromodichloromethane	< 10	10	< 68	68	20	2/19/2007	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

Page 7 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 21-Feb-07

CLIENT:	Mactec	Client Sample ID:	VW-7B
Lab Order:	07020525	Tag Number:	0202
Project:	South Mesa/4972-04-2034	Collection Date:	2/16/2007 10:55:00 AM
Lab ID:	07020525-03A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
Bromoethene(Vinyl Bromide)	< 10	10	< 22	22	20	2/19/2007	
Bromoform	< 10	10	< 100	100	20	2/19/2007	
Bromomethane	< 10	10	< 40	40	20	2/19/2007	
Carbon disulfide	< 10	10	< 32	32	20	2/19/2007	
Carbon tetrachloride	< 10	10	< 64	64	20	2/19/2007	
Chlorobenzene	< 10	10	< 47	47	20	2/19/2007	
Chloroethane	< 10	10	< 27	27	20	2/19/2007	
Chloroform	< 10	10	< 50	50	20	2/19/2007	
Chloromethane	< 10	10	< 21	21	20	2/19/2007	
cis-1,2-Dichloroethene	< 10	10	< 40	40	20	2/19/2007	
cis-1,3-Dichloropropene	< 10	10	< 46	46	20	2/19/2007	
Cyclohexane	< 10	10	< 35	35	20	2/19/2007	
Dibromochloromethane	< 10	10	< 86	86	20	2/19/2007	
Dichlorodifluoromethane(F-12)	< 10	10	< 50	50	20	2/19/2007	
Dichlorotetrafluoroethane(F-114)	< 10	10	< 71	71	20	2/19/2007	
Ethyl Acetate	< 10	10	< 37	37	20	2/19/2007	
Ethylbenzene	< 10	10	< 44	44	20	2/19/2007	
Heptane	< 10	10	< 42	42	20	2/19/2007	
Hexachlorobutadiene	< 20	20	< 220	220	20	2/19/2007	
Hexane	< 10	10	< 36	36	20	2/19/2007	
m&p-Xylene	< 20	20	< 88	88	20	2/19/2007	
Methyl tert-butyl ether	< 20	20	< 73	73	20	2/19/2007	
Methylene chloride	< 10	10	< 35	35	20	2/19/2007	
o-Xylene	< 10	10	< 44	44	20	2/19/2007	
Propene (Propylene)	< 10	10	< 18	18	20	2/19/2007	
Styrene	< 10	10	< 43	43	20	2/19/2007	

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Page 8 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 21-Feb-07

CLIENT: Mactec
Lab Order: 07020525
Project: South Mesa/4972-04-2034
Lab ID: 07020525-03A

Client Sample ID: VW-7B
Tag Number: 0202
Collection Date: 2/16/2007 10:55:00 AM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
Tetrachloroethene	130	10	900	69	D2	20	2/19/2007
Tetrahydrofuran	< 40	40	< 120	120		20	2/19/2007
Toluene	< 10	10	< 38	38		20	2/19/2007
trans-1,2-Dichloroethene	< 10	10	< 40	40		20	2/19/2007
trans-1,3-Dichloropropene	< 10	10	< 46	46		20	2/19/2007
Trichloroethene	< 10	10	< 55	55		20	2/19/2007
Trichlorofluoromethane(F-11)	< 10	10	< 57	57		20	2/19/2007
Trichlorotrifluoroethane(F-113)	< 10	10	< 78	78		20	2/19/2007
Vinyl acetate	< 10	10	< 36	36		20	2/19/2007
Vinyl chloride	< 10	10	< 26	26		20	2/19/2007
Surr: 4-Bromofluorobenzene	101 %REC	70-130	-	-		20	2/19/2007

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 21-Feb-07

CLIENT: Mactec

Work Order: 07020525

Project: South Mesa/4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R84293	SampleType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 84293						
Client ID:	Batch ID: R84293	TestNo: TO15		Analysis Date: 2/19/2007	SeqNo: 999052						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	<0.50	0.50									
1,1,2,2-Tetrachloroethane	<0.50	0.50									
1,1,2-Trichloroethane	<0.50	0.50									
1,1-Dichloroethane	<0.50	0.50									
1,1-Dichloroethene	<0.50	0.50									
1,2,4-Trichlorobenzene	<2.0	2.0									
1,2,4-Trimethylbenzene	<0.50	0.50									
1,2-Dibromoethane	<0.50	0.50									
1,2-Dichlorobenzene	<0.50	0.50									
1,2-Dichloroethane	<0.50	0.50									
1,2-Dichloropropane	<0.50	0.50									
1,3,5-Trimethylbenzene	<0.50	0.50									
1,3-Butadiene	<0.50	0.50									
1,3-Dichlorobenzene	<0.50	0.50									
1,4-Dichlorobenzene	<0.50	0.50									
2,2,4-Trimethylpentane	<0.50	0.50									
2-Butanone (MEK)	<1.0	1.0									
2-Hexanone	<1.0	1.0									
2-Propanol	<2.0	2.0									
4-Ethyltoluene	<0.50	0.50									
4-Methyl-2-pentanone	<1.0	1.0									
Acetone	<5.0	5.0									
Allyl chloride	<0.50	0.50									
Benzene	<0.50	0.50									
Benzyl chloride	<2.0	2.0									
Bromodichloromethane	<0.50	0.50									
Bromoethene(Vinyl Bromide)	<0.50	0.50									
Bromoform	<0.50	0.50									

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Mactec
Work Order: 07020525
Project: South Mesa/4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R84293	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 84293						
Client ID:	Batch ID: R84293	TestNo: TO15		Analysis Date: 2/19/2007	SeqNo: 999052						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	<0.50	0.50									
Carbon disulfide	<0.50	0.50									
Carbon tetrachloride	<0.50	0.50									
Chlorobenzene	<0.50	0.50									
Chloroethane	<0.50	0.50									
Chloroform	<0.50	0.50									
Chloromethane	<0.50	0.50									
cis-1,2-Dichloroethene	<0.50	0.50									
cis-1,3-Dichloropropene	<0.50	0.50									
Cyclohexane	<0.50	0.50									
Dibromochloromethane	<0.50	0.50									
Dichlorodifluoromethane(F-12)	<0.50	0.50									
Dichlorotetrafluoroethane(F-114)	<0.50	0.50									
Ethyl Acetate	<0.50	0.50									
Ethylbenzene	<0.50	0.50									
Heptane	<0.50	0.50									
Hexachlorobutadiene	<1.0	1.0									
Hexane	<0.50	0.50									
m&p-Xylene	<1.0	1.0									
Methyl tert-butyl ether	<1.0	1.0									
Methylene chloride	<0.50	0.50									
o-Xylene	<0.50	0.50									
Propene (Propylene)	<0.50	0.50									
Styrene	<0.50	0.50									
Tetrachloroethene	<0.50	0.50									
Tetrahydrofuran	<2.0	2.0									
Toluene	<0.50	0.50									
trans-1,2-Dichloroethene	<0.50	0.50									
trans-1,3-Dichloropropene	<0.50	0.50									

Qualifiers: E Value above quantitation range
 ND Not Detected at the Reporting Limit
 H Holding times for preparation or analysis exceeded
 J Analyte detected below quantitation limits
 R RPD outside accepted recovery limits
 S Spike Recovery outside accepted recovery limits



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CLIENT: Mactec

Work Order: 07020525

Project: South Mesa/4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R84293	SampleType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 84293						
Client ID:	Batch ID: R84293	TestNo: TO15		Analysis Date: 2/19/2007	SeqNo: 999052						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichloroethene	<0.50	0.50									
Trichlorofluoromethane(F-11)	<0.50	0.50									
Trichlorotrifluoroethane(F-113)	<0.50	0.50									
Vinyl acetate	<0.50	0.50									
Vinyl chloride	<0.50	0.50									
Surr: 4-Bromofluorobenzene	10.46	0.50	10	0	105	70	130				

Sample ID: LCS-R84293	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 84293						
Client ID:	Batch ID: R84293	TestNo: TO15		Analysis Date: 2/19/2007	SeqNo: 999053						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane	11.75	0.50	10	0	118	65	135				
1,1,2,2-Tetrachloroethane	9.740	0.50	10	0	97.4	65	135				
1,1,2-Trichloroethane	11.45	0.50	10	0	114	65	135				
1,1-Dichloroethane	11.51	0.50	10	0	115	65	135				
1,1-Dichloroethene	11.68	0.50	10	0	117	65	135				
1,2,4-Trichlorobenzene	9.400	2.0	10	0	94.0	65	135				
1,2,4-Trimethylbenzene	10.12	0.50	10	0	101	65	135				
1,2-Dibromoethane	11.57	0.50	10	0	116	65	135				
1,2-Dichlorobenzene	10.02	0.50	10	0	100	65	135				
1,2-Dichloroethane	11.46	0.50	10	0	115	65	135				
1,2-Dichloropropane	11.23	0.50	10	0	112	65	135				
1,3,5-Trimethylbenzene	10.05	0.50	10	0	100	65	135				
1,3-Butadiene	10.80	0.50	10	0	108	65	135				
1,3-Dichlorobenzene	10.13	0.50	10	0	101	65	135				
1,4-Dichlorobenzene	10.09	0.50	10	0	101	65	135				
2,2,4-Trimethylpentane	11.29	0.50	10	0	113	65	135				
2-Butanone (MEK)	10.62	1.0	10	0	106	65	135				
2-Hexanone	10.43	1.0	10	0	104	65	135				

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Mactec
Work Order: 07020525
Project: South Mesa/4972-04-2034
ANALYTICAL QC SUMMARY REPORT
TestCode: TO15

Sample ID: LCS-R84293	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 84293						
Client ID:	Batch ID: R84293	TestNo: TO15		Analysis Date: 2/19/2007	SeqNo: 999053						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Propanol	9.770	2.0	10	0	97.7	65	135				
4-Ethyltoluene	10.15	0.50	10	0	102	65	135				
4-Methyl-2-pentanone	11.17	1.0	10	0	112	65	135				
Acetone	10.26	5.0	10	0	103	65	135				
Allyl chloride	11.52	0.50	10	0	115	65	135				
Benzene	11.48	0.50	10	0	115	65	135				
Benzyl chloride	8.850	2.0	10	0	88.5	65	135				
Bromodichloromethane	11.36	0.50	10	0	114	65	135				
Bromoethene(Vinyl Bromide)	11.65	0.50	10	0	116	65	135				
Bromoform	10.35	0.50	10	0	104	65	135				
Bromomethane	11.51	0.50	10	0	115	65	135				
Carbon disulfide	11.24	0.50	10	0	112	65	135				
Carbon tetrachloride	11.76	0.50	10	0	118	65	135				
Chlorobenzene	10.39	0.50	10	0	104	65	135				
Chloroethane	11.17	0.50	10	0	112	65	135				
Chloroform	11.47	0.50	10	0	115	65	135				
Chloromethane	11.02	0.50	10	0	110	65	135				
cis-1,2-Dichloroethene	11.58	0.50	10	0	116	65	135				
cis-1,3-Dichloropropene	11.69	0.50	10	0	117	65	135				
Cyclohexane	11.44	0.50	10	0	114	65	135				
Dibromochloromethane	11.63	0.50	10	0	116	65	135				
Dichlorodifluoromethane(F-12)	10.98	0.50	10	0	110	65	135				
Dichlorotetrafluoroethane(F-114)	11.70	0.50	10	0	117	65	135				
Ethyl Acetate	11.27	0.50	10	0	113	65	135				
Ethylbenzene	10.23	0.50	10	0	102	65	135				
Heptane	11.15	0.50	10	0	112	65	135				
Hexachlorobutadiene	10.46	1.0	10	0	105	65	135				
Hexane	11.67	0.50	10	0	117	65	135				
m&p-Xylene	19.86	1.0	20	0	99.3	65	135				

Qualifiers: E Value above quantitation range
 ND Not Detected at the Reporting Limit
 H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits
 J Analyte detected below quantitation limits
 S Spike/Recovery outside accepted recovery limits



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CLIENT: Mactec

Work Order: 07020525

Project: South Mesa/4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R84293	Samp Type: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 84293						
Client ID:	Batch ID: R84293	TestNo: TO15		Analysis Date: 2/19/2007	SeqNo: 999053						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	11.13	1.0	10	0	111	65	135				
Methylene chloride	10.35	0.50	10	0	104	65	135				
o-Xylene	9.970	0.50	10	0	99.7	65	135				
Propene (Propylene)	10.44	0.50	10	0	104	65	135				
Styrene	10.22	0.50	10	0	102	65	135				
Tetrachloroethene	11.61	0.50	10	0	116	65	135				
Tetrahydrofuran	10.25	2.0	10	0	103	65	135				
Toluene	11.57	0.50	10	0	116	65	135				
trans-1,2-Dichloroethene	11.47	0.50	10	0	115	65	135				
trans-1,3-Dichloropropene	11.83	0.50	10	0	118	65	135				
Trichloroethene	11.56	0.50	10	0	116	65	135				
Trichlorofluoromethane(F-11)	11.82	0.50	10	0	118	65	135				
Trichlorotrifluoroethane(F-113)	11.74	0.50	10	0	117	65	135				
Vinyl acetate	11.21	0.50	10	0	112	65	135				
Vinyl chloride	11.05	0.50	10	0	110	65	135				
Surr: 4-Bromofluorobenzene	10.92	0.50	10	0	109	70	130				

Sample ID: LCS-D-R84293		SampType: LCSD		TestCode: TO15		Units: ppbv		Prep Date:		RunNo: 84293			
Client ID:		Batch ID: R84293		TestNo: TO15		Analysis Date: 2/19/2007						SeqNo: 999054	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
1,1,1-Trichloroethane	11.66	0.50	10	0	117	65	135	11.75	0.769	25			
1,1,2,2-Tetrachloroethane	10.26	0.50	10	0	103	65	135	9.740	5.20	25			
1,1,2-Trichloroethane	11.49	0.50	10	0	115	65	135	11.45	0.349	25			
1,1-Dichloroethane	11.47	0.50	10	0	115	65	135	11.51	0.348	25			
1,1-Dichloroethene	11.63	0.50	10	0	116	65	135	11.68	0.429	25			
1,2,4-Trichlorobenzene	9.850	2.0	10	0	98.5	65	135	9.400	4.68	25			
1,2,4-Trimethylbenzene	10.54	0.50	10	0	105	65	135	10.12	4.07	25			
1,2-Dibromoethane	11.62	0.50	10	0	116	65	135	11.57	0.431	25			

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Page 5 of 7

Page 5 of 7

Page 5 of 7

CLIENT: Mactec
Work Order: 07020525
Project: South Mesa/4972-04-2034
TestCode: TO15
ANALYTICAL QC SUMMARY REPORT

Sample ID: LCSD-R84293	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 84293						
Client ID:	Batch ID: R84293	TestNo: TO15		Analysis Date: 2/19/2007	SeqNo: 999054						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichlorobenzene	10.44	0.50	10	0	104	65	135	10.02	4.11	25	
1,2-Dichloroethane	11.33	0.50	10	0	113	65	135	11.46	1.14	25	
1,2-Dichloropropane	11.29	0.50	10	0	113	65	135	11.23	0.533	25	
1,3,5-Trimethylbenzene	10.48	0.50	10	0	105	65	135	10.05	4.19	25	
1,3-Butadiene	10.80	0.50	10	0	108	65	135	10.80	0	25	
1,3-Dichlorobenzene	10.58	0.50	10	0	106	65	135	10.13	4.35	25	
1,4-Dichlorobenzene	10.46	0.50	10	0	105	65	135	10.09	3.60	25	
2,2,4-Trimethylpentane	11.30	0.50	10	0	113	65	135	11.29	0.0885	25	
2-Butanone (MEK)	10.47	1.0	10	0	105	65	135	10.62	1.42	25	
2-Hexanone	10.15	1.0	10	0	102	65	135	10.43	2.72	25	
2-Propanol	9.700	2.0	10	0	97.0	65	135	9.770	0.719	25	
4-Ethyltoluene	10.60	0.50	10	0	106	65	135	10.15	4.34	25	
4-Methyl-2-pentanone	11.05	1.0	10	0	110	65	135	11.17	1.08	25	
Acetone	10.73	5.0	10	0	107	65	135	10.26	4.48	25	
Allyl chloride	11.39	0.50	10	0	114	65	135	11.52	1.13	25	
Benzene	11.46	0.50	10	0	115	65	135	11.48	0.174	25	
Benzyl chloride	9.530	2.0	10	0	95.3	65	135	8.850	7.40	25	
Bromodichloromethane	11.35	0.50	10	0	114	65	135	11.36	0.0881	25	
Bromoethene(Vinyl Bromide)	11.51	0.50	10	0	115	65	135	11.65	1.21	25	
Bromoform	10.86	0.50	10	0	109	65	135	10.35	4.81	25	
Bromomethane	11.40	0.50	10	0	114	65	135	11.51	0.960	25	
Carbon disulfide	11.16	0.50	10	0	112	65	135	11.24	0.714	25	
Carbon tetrachloride	11.71	0.50	10	0	117	65	135	11.76	0.426	25	
Chlorobenzene	10.85	0.50	10	0	108	65	135	10.39	4.33	25	
Chloroethane	11.13	0.50	10	0	111	65	135	11.17	0.359	25	
Chloroform	11.41	0.50	10	0	114	65	135	11.47	0.524	25	
Chloromethane	10.92	0.50	10	0	109	65	135	11.02	0.912	25	
cis-1,2-Dichloroethene	11.55	0.50	10	0	116	65	135	11.58	0.259	25	
cis-1,3-Dichloropropene	11.70	0.50	10	0	117	65	135	11.69	0.0855	25	

Qualifiers: E Value above quantitation range
 ND Not Detected at the Reporting Limit
 H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits



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CLIENT: Mactec
Work Order: 07020525
Project: South Mesa/4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCSD-R84293	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 84293						
Client ID:	Batch ID: R84293	TestNo: TO15		Analysis Date: 2/19/2007	SeqNo: 999054						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyclohexane	11.38	0.50	10	0	114	65	135	11.44	0.526	25	
Dibromochloromethane	11.68	0.50	10	0	117	65	135	11.63	0.429	25	
Dichlorodifluoromethane(F-12)	10.86	0.50	10	0	109	65	135	10.98	1.10	25	
Dichlorotetrafluoroethane(F-114)	11.65	0.50	10	0	116	65	135	11.70	0.428	25	
Ethyl Acetate	11.24	0.50	10	0	112	65	135	11.27	0.267	25	
Ethylbenzene	10.72	0.50	10	0	107	65	135	10.23	4.68	25	
Heptane	11.14	0.50	10	0	111	65	135	11.15	0.0897	25	
Hexachlorobutadiene	10.67	1.0	10	0	107	65	135	10.46	1.99	25	
Hexane	11.62	0.50	10	0	116	65	135	11.67	0.429	25	
m&p-Xylene	20.83	1.0	20	0	104	65	135	19.86	4.77	25	
Methyl tert-butyl ether	11.20	1.0	10	0	112	65	135	11.13	0.627	25	
Methylene chloride	10.26	0.50	10	0	103	65	135	10.35	0.873	25	
o-Xylene	10.40	0.50	10	0	104	65	135	9.970	4.22	25	
Propene (Propylene)	10.44	0.50	10	0	104	65	135	10.44	0	25	
Styrene	10.70	0.50	10	0	107	65	135	10.22	4.59	25	
Tetrachloroethene	11.66	0.50	10	0	117	65	135	11.61	0.430	25	
Tetrahydrofuran	10.25	2.0	10	0	103	65	135	10.25	0	25	
Toluene	11.65	0.50	10	0	116	65	135	11.57	0.689	25	
trans-1,2-Dichloroethene	11.51	0.50	10	0	115	65	135	11.47	0.348	25	
trans-1,3-Dichloropropene	11.91	0.50	10	0	119	65	135	11.83	0.674	25	
Trichloroethene	11.63	0.50	10	0	116	65	135	11.56	0.604	25	
Trichlorofluoromethane(F-11)	11.82	0.50	10	0	118	65	135	11.82	0	25	
Trichlorotrifluoroethane(F-113)	11.66	0.50	10	0	117	65	135	11.74	0.684	25	
Vinyl acetate	11.43	0.50	10	0	114	65	135	11.21	1.94	25	
Vinyl chloride	11.01	0.50	10	0	110	65	135	11.05	0.363	25	
Surr: 4-Bromofluorobenzene	10.12	0.50	10	0	101	70	130	10.92	0	0	

Qualifiers: E Value above quantitation range ND Not Detected at the Reporting Limit H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits R RPD outside-accepted recovery limits S Spike Recovery outside accepted recovery limits

Laboratory Number: 07-02-0525	Checklist completed by: Kevin Liberg 2.16.07
Client Name: Mardec, INK	Signature/Date: _____
Matrix: Air	Carrier Name: Mark
Date/Time Rec'd: 2-16-07 12:55	By: RF

Temperature of Samples? **Ambient** ☒ Circle one: Blue Ice ☐ Wet Ice ☐ **Not Present** ☒

Client or PM made aware temp. out of range?	Yes	No	Yes	No	Not Present	Soil Containers:
Shipping container/cooler in good condition?			<input checked="" type="checkbox"/>			Brass Sleeve _____
Custody seals intact on shipping container/cooler?					<input checked="" type="checkbox"/>	Glass Jar _____
Custody seals intact on sample containers?					<input checked="" type="checkbox"/>	Methanol _____
Chain of Custody present and relinquished/received properly?			<input checked="" type="checkbox"/>			Plastic Bag _____
Chain of Custody agrees with sample labels?			<input checked="" type="checkbox"/>			Encore Samples _____
Samples in proper containers/bottles?			<input checked="" type="checkbox"/>			Sterile Plastic _____
Sample containers intact?			<input checked="" type="checkbox"/>			
All samples received within holding time?			<input checked="" type="checkbox"/>			**See Comments about Chlorine and pH
Is there sufficient sample volume to perform the tests?			<input checked="" type="checkbox"/>			
40mL vials for volatiles & SOCs received with zero headspace?			<input checked="" type="checkbox"/>			

Total number of bottles received: **3** I/H sample media: **1L Air canister**
 If applicable, how many sample bottles were shipped from AEL-Tucson? **N/A**

Number of containers received by preservative and by sample number (If more than 15 samples are rec'd please continue on separate sheets)

Preservative	Simple***	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A-General		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>												
B-HNO3																
C-H2SO4																
D-HCl																
E-Na2S2O3																
F-NaOH																
G-Sulfide																
H-Na Sulfite																
I-MCAA																
J-Methanol																
K-HAA																
L-Other																

Water-pH acceptable upon receipt? Yes ☐ No ☐ N/A ☒

Preservative & pH	pH of samples upon receipt	If pH requires adjustment, list sample number and reagent I.D. number
Metals <2		
Nutrients <2		
Total Phenols <2		
1664 <2		
Cyanide >12		
Sulfide >9		

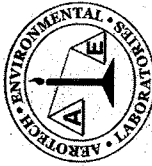
*Any No response must be detailed in the comments section below. Contact the PM immediately to determine how to proceed. Refer to SOP 11-001. Continue on back if additional space is needed.

**The holding time for pH and Total Residual Chlorine analysis is immediate. For the most accurate result, the pH and Total Residual Chlorine should be taken in the field within 15 minutes of sampling.

***The Simple box is only to be used when there is one bottle per preservative in equal sample sets.

Comments:

Corrective Action:



Aerotech Environmental Laboratories

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Aerotech Laboratories, Inc.

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[] North Phoenix - 1501 W. Knudsen, Phoenix, AZ 85027 623.780.4800 - FAX 623.445.6216
[] Tucson - 4455 S. Park Ave, Suite 110, Tucson, AZ 85714 520.807.3801 - FAX 520.807.3803
www.aerotechlabs.com or call toll-free 866.772.5227

Customer Number:		Page 1 of 1	Lab Number:									
Customer:	MACTEC, INC.		07-02-0525									
Address:	3630 E WIER AVE											
City, State, Zip:	PHX AZ 85040											
Contact:	JIM CLARKE											
Phone:	602.437-0250	Fax:	602.437-3675									
E-Mail Address:	JIMCLARKE@MACTEC.COM											
Sample Receipt		Turn Around Request										
Temperature:	40.0 °C	24 Hours										
Custody Seals:	Yes No	72 Hours										
Custody Seals Intact:	Yes No	5 working Day										
Total # of Containers:	3	Standard 10 Working Days										
Subject to scheduling and availability (surcharges apply)												
Sample Information												
Lab #	Canister Serial #	Model	Sample Identification	Date	Time	Type	Final	Receipt	TO-14 List of TO-15	TO-15 list	PCE Only by TO-15	Analyses Requested
1	1335	6, 1, 0.4	EFF	2/16/07	1030					X		
2	0927	6, 1, 0.4	INT	↓	1040					X		
3	0202	6, 1, 0.4	VW-78	↓	1055					X		
		6, 1, 0.4										
		6, 1, 0.4										
		6, 1, 0.4										
		6, 1, 0.4										
		6, 1, 0.4										
		6, 1, 0.4										
		6, 1, 0.4										
		6, 1, 0.4										
Instructions / Special Requirements:												
222 10732												

Date:	Time:	Samples Relinquished By:	Received By:
2/16/07	12:55	Mark Hammer	



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Thursday, March 22, 2007

Jim Clarke
Mactec
3630 East Wier Avenue
Phoenix, AZ 85040

TEL: (602) 437-0250

FAX (602) 437-3675

RE: South Mesa / 4972-04-2034

Order No.: 07030323

Dear Jim Clarke:

Aerotech Environmental Laboratories received 3 sample(s) on 3/12/2007 for the analyses presented in the following report.

This report includes the following information:

- Case Narrative.
- Analytical Report: includes test results, report limit (Limit), any applicable data qualifier (Qual), units, dilution factor (DF), and date analyzed.
- QC Summary Report.

This communication is intended only for the individual or entity to whom it is directed. It may contain information that is privileged, confidential, or otherwise exempt from disclosure under applicable law. Dissemination, distribution, or copying of this communication by anyone other than the intended recipient, or a duly designated employee or agent of such recipient, is prohibited. If you have received this communication in error, please notify us immediately and destroy this message and all attachments thereto. If you have any questions regarding these test results, please do not hesitate to call.

Sincerely,

Tim Trestrail
Project Manager



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental Laboratories

Date: 22-Mar-07

CLIENT: Mactec
Project: South Mesa / 4972-04-2034
Lab Order: 07030323

CASE NARRATIVE

Analyses included in this report were performed by Aerotech Environmental Laboratories (AEL), 4645 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ.

AEL is licensed through the State of Arizona (License No. AZ0610), and holds NELAC accreditation (OR100001) through the State of Oregon for the analytical techniques noted on the scope of accreditation.

AEL is also accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation.

Samples were analyzed using methods outlined in references such as:

- Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998.
- 40 CFR, Part 136, July 2006. Appendix A to Part 136 - Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater.
- Methods for the Chemical Analysis of Water and Wastes, EPA/600/4-79-020, Revised March 1983.
- Methods for the Determination of Organic Compounds in Drinking Water: Supplement III, August 1995, EPA/600/R-95/131.
- Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA, 3rd Edition 1986, and Updates.
- Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, EPA, Second Edition, 1999.
- NIOSH Manual of Analytical Methods, Fourth Edition, 1994. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.

Analytical Comments:

All method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Data Qualifiers:

Listed below are the data qualifiers used in your analytical report to explain any analytical or quality control issues. You will find them noted in your report under the column header "QUAL". Any quality control deficiencies that cannot be adequately described by these qualifiers will be addressed in the analytical comments section of this case narrative.

D2 Sample required dilution due to high concentration of target analyte.



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 22-Mar-07

CLIENT:	Mactec	Client Sample ID:	EFF
Lab Order:	07030323	Tag Number:	Canister #1275
Project:	South Mesa / 4972-04-2034	Collection Date:	3/10/2007 4:08:00 PM
Lab ID:	07030323-01A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
1,1,1-Trichloroethane	< 0.50	0.50	< 2.8	2.8	1	3/21/2007	
1,1,2,2-Tetrachloroethane	< 0.50	0.50	< 3.5	3.5	1	3/21/2007	
1,1,2-Trichloroethane	< 0.50	0.50	< 2.8	2.8	1	3/21/2007	
1,1-Dichloroethane	< 0.50	0.50	< 2.1	2.1	1	3/21/2007	
1,1-Dichloroethene	< 0.50	0.50	< 2.0	2.0	1	3/21/2007	
1,2,4-Trichlorobenzene	< 2.0	2.0	< 15	15	1	3/21/2007	
1,2,4-Trimethylbenzene	1.8	0.50	9.0	2.5	1	3/21/2007	
1,2-Dibromoethane	< 0.50	0.50	< 3.9	3.9	1	3/21/2007	
1,2-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1	3/21/2007	
1,2-Dichloroethane	< 0.50	0.50	< 2.1	2.1	1	3/21/2007	
1,2-Dichloropropane	< 0.50	0.50	< 2.4	2.4	1	3/21/2007	
1,3,5-Trimethylbenzene	< 0.50	0.50	< 2.5	2.5	1	3/21/2007	
1,3-Butadiene	< 0.50	0.50	< 1.1	1.1	1	3/21/2007	
1,3-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1	3/21/2007	
1,4-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1	3/21/2007	
2,2,4-Trimethylpentane	4.9	0.50	23	2.4	1	3/21/2007	
2-Butanone (MEK)	< 1.0	1.0	< 3.0	3.0	1	3/21/2007	
2-Hexanone	< 1.0	1.0	< 4.2	4.2	1	3/21/2007	
2-Propanol	< 2.0	2.0	< 5.0	5.0	1	3/21/2007	
4-Ethyltoluene	0.99	0.50	4.4	2.2	1	3/21/2007	
4-Methyl-2-pentanone	< 1.0	1.0	< 4.2	4.2	1	3/21/2007	
Acetone	< 5.0	5.0	< 12	12	1	3/21/2007	
Allyl chloride	< 0.50	0.50	< 0.80	0.80	1	3/21/2007	
Benzene	6.1	0.50	20	1.6	1	3/21/2007	
Benzyl chloride	< 2.0	2.0	< 11	11	1	3/21/2007	
Bromodichloromethane	< 0.50	0.50	< 3.4	3.4	1	3/21/2007	

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level

- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 22-Mar-07

CLIENT: Mactec
Lab Order: 07030323
Project: South Mesa / 4972-04-2034
Lab ID: 07030323-01A

Client Sample ID: EFF
Tag Number: Canister #1275
Collection Date: 3/10/2007 4:08:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
Bromoethene(Vinyl Bromide)	< 0.50	0.50	< 1.1	1.1	1	3/21/2007	
Bromoform	< 0.50	0.50	< 5.2	5.2	1	3/21/2007	
Bromomethane	< 0.50	0.50	< 2.0	2.0	1	3/21/2007	
Carbon disulfide	< 0.50	0.50	< 1.6	1.6	1	3/21/2007	
Carbon tetrachloride	< 0.50	0.50	< 3.2	3.2	1	3/21/2007	
Chlorobenzene	< 0.50	0.50	< 2.4	2.4	1	3/21/2007	
Chloroethane	< 0.50	0.50	< 1.3	1.3	1	3/21/2007	
Chloroform	< 0.50	0.50	< 2.5	2.5	1	3/21/2007	
Chloromethane	0.61	0.50	1.3	1.0	1	3/21/2007	
cis-1,2-Dichloroethene	< 0.50	0.50	< 2.0	2.0	1	3/21/2007	
cis-1,3-Dichloropropene	< 0.50	0.50	< 2.3	2.3	1	3/21/2007	
Cyclohexane	2.6	0.50	9.1	1.7	1	3/21/2007	
Dibromochloromethane	< 0.50	0.50	< 4.3	4.3	1	3/21/2007	
Dichlorodifluoromethane(F-12)	0.52	0.50	2.6	2.5	1	3/21/2007	
Dichlorotetrafluoroethane(F-114)	< 0.50	0.50	< 3.6	3.6	1	3/21/2007	
Ethyl Acetate	3.0	0.50	11	1.8	1	3/21/2007	
Ethylbenzene	2.3	0.50	10	2.2	1	3/21/2007	
Heptane	2.0	0.50	8.3	2.1	1	3/21/2007	
Hexachlorobutadiene	< 1.0	1.0	< 11	11	1	3/21/2007	
Hexane	6.2	0.50	22	1.8	1	3/21/2007	
m&p-Xylene	6.5	1.0	29	4.4	1	3/21/2007	
Methyl tert-butyl ether	< 1.0	1.0	< 3.7	3.7	1	3/21/2007	
Methylene chloride	1.8	0.50	6.4	1.8	1	3/21/2007	
o-Xylene	2.1	0.50	9.2	2.2	1	3/21/2007	
Propene (Propylene)	1.2	0.50	2.1	0.88	1	3/21/2007	
Styrene	< 0.50	0.50	< 2.2	2.2	1	3/21/2007	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 2 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 22-Mar-07

CLIENT:	Mactec	Client Sample ID:	EFF
Lab Order:	07030323	Tag Number:	Canister #1275
Project:	South Mesa / 4972-04-2034	Collection Date:	3/10/2007 4:08:00 PM
Lab ID:	07030323-01A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
Tetrachloroethene	< 0.50	0.50	< 3.4	3.4	1	3/21/2007	
Tetrahydrofuran	< 2.0	2.0	< 6.0	6.0	1	3/21/2007	
Toluene	17	0.50	65	1.9	1	3/21/2007	
trans-1,2-Dichloroethene	< 0.50	0.50	< 2.0	2.0	1	3/21/2007	
trans-1,3-Dichloropropene	< 0.50	0.50	< 2.3	2.3	1	3/21/2007	
Trichloroethene	< 0.50	0.50	< 2.8	2.8	1	3/21/2007	
Trichlorofluoromethane(F-11)	< 0.50	0.50	< 2.8	2.8	1	3/21/2007	
Trichlorotrifluoroethane(F-113)	< 0.50	0.50	< 3.9	3.9	1	3/21/2007	
Vinyl acetate	< 0.50	0.50	< 1.8	1.8	1	3/21/2007	
Vinyl chloride	< 0.50	0.50	< 1.3	1.3	1	3/21/2007	
Surr: 4-Bromofluorobenzene	96.1 %REC	70-130	-	-	1	3/21/2007	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 3 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 22-Mar-07

CLIENT: Mactec
Lab Order: 07030323
Project: South Mesa / 4972-04-2034
Lab ID: 07030323-02A

Client Sample ID: INT
Tag Number: Canister #0309
Collection Date: 3/10/2007 4:13:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
1,1,1-Trichloroethane	< 25	25	< 140	140	50	3/21/2007	
1,1,2,2-Tetrachloroethane	< 25	25	< 170	170	50	3/21/2007	
1,1,2-Trichloroethane	< 25	25	< 140	140	50	3/21/2007	
1,1-Dichloroethane	< 25	25	< 100	100	50	3/21/2007	
1,1-Dichloroethene	< 25	25	< 100	100	50	3/21/2007	
1,2,4-Trichlorobenzene	< 100	100	< 750	750	50	3/21/2007	
1,2,4-Trimethylbenzene	< 25	25	< 120	120	50	3/21/2007	
1,2-Dibromoethane	< 25	25	< 200	200	50	3/21/2007	
1,2-Dichlorobenzene	< 25	25	< 150	150	50	3/21/2007	
1,2-Dichloroethane	< 25	25	< 100	100	50	3/21/2007	
1,2-Dichloropropane	< 25	25	< 120	120	50	3/21/2007	
1,3,5-Trimethylbenzene	< 25	25	< 120	120	50	3/21/2007	
1,3-Butadiene	< 25	25	< 56	56	50	3/21/2007	
1,3-Dichlorobenzene	< 25	25	< 150	150	50	3/21/2007	
1,4-Dichlorobenzene	< 25	25	< 150	150	50	3/21/2007	
2,2,4-Trimethylpentane	350	25	1700	120	D2 50	3/21/2007	
2-Butanone (MEK)	< 50	50	< 150	150	50	3/21/2007	
2-Hexanone	< 50	50	< 210	210	50	3/21/2007	
2-Propanol	< 100	100	< 250	250	50	3/21/2007	
4-Ethyltoluene	< 25	25	< 110	110	50	3/21/2007	
4-Methyl-2-pentanone	< 50	50	< 210	210	50	3/21/2007	
Acetone	< 250	250	< 600	600	50	3/21/2007	
Allyl chloride	< 25	25	< 40	40	50	3/21/2007	
Benzene	< 25	25	< 81	81	50	3/21/2007	
Benzyl chloride	< 100	100	< 530	530	50	3/21/2007	
Bromodichloromethane	< 25	25	< 170	170	50	3/21/2007	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 4 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 22-Mar-07

CLIENT: Mactec
Lab Order: 07030323
Project: South Mesa / 4972-04-2034
Lab ID: 07030323-02A

Client Sample ID: INT
Tag Number: Canister #0309
Collection Date: 3/10/2007 4:13:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
Bromoethene(Vinyl Bromide)	< 25	25	< 56	56	50	3/21/2007	
Bromoform	< 25	25	< 260	260	50	3/21/2007	
Bromomethane	< 25	25	< 99	99	50	3/21/2007	
Carbon disulfide	< 25	25	< 79	79	50	3/21/2007	
Carbon tetrachloride	< 25	25	< 160	160	50	3/21/2007	
Chlorobenzene	< 25	25	< 120	120	50	3/21/2007	
Chloroethane	< 25	25	< 67	67	50	3/21/2007	
Chloroform	< 25	25	< 120	120	50	3/21/2007	
Chloromethane	< 25	25	< 52	52	50	3/21/2007	
cis-1,2-Dichloroethene	< 25	25	< 100	100	50	3/21/2007	
cis-1,3-Dichloropropene	< 25	25	< 120	120	50	3/21/2007	
Cyclohexane	< 25	25	< 87	87	50	3/21/2007	
Dibromochloromethane	< 25	25	< 220	220	50	3/21/2007	
Dichlorodifluoromethane(F-12)	< 25	25	< 130	130	50	3/21/2007	
Dichlorotetrafluoroethane(F-114)	< 25	25	< 180	180	50	3/21/2007	
Ethyl Acetate	< 25	25	< 92	92	50	3/21/2007	
Ethylbenzene	< 25	25	< 110	110	50	3/21/2007	
Heptane	< 25	25	< 100	100	50	3/21/2007	
Hexachlorobutadiene	< 50	50	< 540	540	50	3/21/2007	
Hexane	< 25	25	< 89	89	50	3/21/2007	
m&p-Xylene	< 50	50	< 220	220	50	3/21/2007	
Methyl tert-butyl ether	< 50	50	< 180	180	50	3/21/2007	
Methylene chloride	< 25	25	< 88	88	50	3/21/2007	
o-Xylene	< 25	25	< 110	110	50	3/21/2007	
Propene (Propylene)	< 25	25	< 44	44	50	3/21/2007	
Styrene	< 25	25	< 110	110	50	3/21/2007	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 5 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 22-Mar-07

CLIENT: Mactec
Lab Order: 07030323
Project: South Mesa / 4972-04-2034
Lab ID: 07030323-02A

Client Sample ID: INT
Tag Number: Canister #0309
Collection Date: 3/10/2007 4:13:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
Tetrachloroethene	1500	25	10000	170	D2	50	3/21/2007
Tetrahydrofuran	< 100	100	< 300	300		50	3/21/2007
Toluene	< 25	25	< 96	96		50	3/21/2007
trans-1,2-Dichloroethene	< 25	25	< 100	100		50	3/21/2007
trans-1,3-Dichloropropene	< 25	25	< 120	120		50	3/21/2007
Trichloroethene	< 25	25	< 140	140		50	3/21/2007
Trichlorofluoromethane(F-11)	< 25	25	< 140	140		50	3/21/2007
Trichlorotrifluoroethane(F-113)	< 25	25	< 190	190		50	3/21/2007
Vinyl acetate	< 25	25	< 89	89		50	3/21/2007
Vinyl chloride	< 25	25	< 65	65		50	3/21/2007
Surr: 4-Bromofluorobenzene	100 %REC	70-130	-	-		50	3/21/2007

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 6 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 22-Mar-07

CLIENT: Mactec
Lab Order: 07030323
Project: South Mesa / 4972-04-2034
Lab ID: 07030323-03A

Client Sample ID: VW-7B
Tag Number: Canister #0602
Collection Date: 3/10/2007 4:30:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J				
1,1,1-Trichloroethane	< 5.0	5.0	< 28	28	10	3/21/2007	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	< 35	35	10	3/21/2007	
1,1,2-Trichloroethane	< 5.0	5.0	< 28	28	10	3/21/2007	
1,1-Dichloroethane	7.0	5.0	29	21	10	3/21/2007	
1,1-Dichloroethene	< 5.0	5.0	< 20	20	10	3/21/2007	
1,2,4-Trichlorobenzene	< 20	20	< 150	150	10	3/21/2007	
1,2,4-Trimethylbenzene	< 5.0	5.0	< 25	25	10	3/21/2007	
1,2-Dibromoethane	< 5.0	5.0	< 39	39	10	3/21/2007	
1,2-Dichlorobenzene	< 5.0	5.0	< 31	31	10	3/21/2007	
1,2-Dichloroethane	< 5.0	5.0	< 21	21	10	3/21/2007	
1,2-Dichloropropane	< 5.0	5.0	< 24	24	10	3/21/2007	
1,3,5-Trimethylbenzene	< 5.0	5.0	< 25	25	10	3/21/2007	
1,3-Butadiene	< 5.0	5.0	< 11	11	10	3/21/2007	
1,3-Dichlorobenzene	< 5.0	5.0	< 31	31	10	3/21/2007	
1,4-Dichlorobenzene	< 5.0	5.0	< 31	31	10	3/21/2007	
2,2,4-Trimethylpentane	9.7	5.0	46	24	10	3/21/2007	
2-Butanone (MEK)	< 10	10	< 30	30	10	3/21/2007	
2-Hexanone	< 10	10	< 42	42	10	3/21/2007	
2-Propanol	< 20	20	< 50	50	10	3/21/2007	
4-Ethyltoluene	< 5.0	5.0	< 22	22	10	3/21/2007	
4-Methyl-2-pentanone	< 10	10	< 42	42	10	3/21/2007	
Acetone	< 50	50	< 120	120	10	3/21/2007	
Allyl chloride	< 5.0	5.0	< 8.0	8.0	10	3/21/2007	
Benzene	7.2	5.0	23	16	10	3/21/2007	
Benzyl chloride	< 20	20	< 110	110	10	3/21/2007	
Bromodichloromethane	< 5.0	5.0	< 34	34	10	3/21/2007	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 7 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 22-Mar-07

CLIENT: Mactec
Lab Order: 07030323
Project: South Mesa / 4972-04-2034
Lab ID: 07030323-03A

Client Sample ID: VW-7B
Tag Number: Canister #0602
Collection Date: 3/10/2007 4:30:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
Bromoethene(Vinyl Bromide)	< 5.0	5.0	< 11	11	10	3/21/2007	
Bromoform	< 5.0	5.0	< 52	52	10	3/21/2007	
Bromomethane	< 5.0	5.0	< 20	20	10	3/21/2007	
Carbon disulfide	< 5.0	5.0	< 16	16	10	3/21/2007	
Carbon tetrachloride	< 5.0	5.0	< 32	32	10	3/21/2007	
Chlorobenzene	< 5.0	5.0	< 24	24	10	3/21/2007	
Chloroethane	< 5.0	5.0	< 13	13	10	3/21/2007	
Chloroform	< 5.0	5.0	< 25	25	10	3/21/2007	
Chloromethane	< 5.0	5.0	< 10	10	10	3/21/2007	
cis-1,2-Dichloroethene	< 5.0	5.0	< 20	20	10	3/21/2007	
cis-1,3-Dichloropropene	< 5.0	5.0	< 23	23	10	3/21/2007	
Cyclohexane	< 5.0	5.0	< 17	17	10	3/21/2007	
Dibromochloromethane	< 5.0	5.0	< 43	43	10	3/21/2007	
Dichlorodifluoromethane(F-12)	< 5.0	5.0	< 25	25	10	3/21/2007	
Dichlorotetrafluoroethane(F-114)	< 5.0	5.0	< 36	36	10	3/21/2007	
Ethyl Acetate	< 5.0	5.0	< 18	18	10	3/21/2007	
Ethylbenzene	< 5.0	5.0	< 22	22	10	3/21/2007	
Heptane	< 5.0	5.0	< 21	21	10	3/21/2007	
Hexachlorobutadiene	< 10	10	< 110	110	10	3/21/2007	
Hexane	8.5	5.0	30	18	10	3/21/2007	
m&p-Xylene	< 10	10	< 44	44	10	3/21/2007	
Methyl tert-butyl ether	< 10	10	< 37	37	10	3/21/2007	
Methylene chloride	6.1	5.0	22	18	10	3/21/2007	
o-Xylene	< 5.0	5.0	< 22	22	10	3/21/2007	
Propene (Propylene)	< 5.0	5.0	< 8.8	8.8	10	3/21/2007	
Styrene	< 5.0	5.0	< 22	22	10	3/21/2007	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 8 of 9



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Aerotech Environmental Laboratories

Date: 22-Mar-07

CLIENT: Mactec
Lab Order: 07030323
Project: South Mesa / 4972-04-2034
Lab ID: 07030323-03A

Client Sample ID: VW-7B
Tag Number: Canister #0602
Collection Date: 3/10/2007 4:30:00 PM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
Tetrachloroethene	220	5.0	1500	34	D2	10	3/21/2007
Tetrahydrofuran	< 20	20	< 60	60		10	3/21/2007
Toluene	18	5.0	69	19		10	3/21/2007
trans-1,2-Dichloroethene	< 5.0	5.0	< 20	20		10	3/21/2007
trans-1,3-Dichloropropene	< 5.0	5.0	< 23	23		10	3/21/2007
Trichloroethene	< 5.0	5.0	< 28	28		10	3/21/2007
Trichlorofluoromethane(F-11)	< 5.0	5.0	< 28	28		10	3/21/2007
Trichlorotrifluoroethane(F-113)	< 5.0	5.0	< 39	39		10	3/21/2007
Vinyl acetate	< 5.0	5.0	< 18	18		10	3/21/2007
Vinyl chloride	< 5.0	5.0	< 13	13		10	3/21/2007
Surr: 4-Bromofluorobenzene	101 %REC	70-130	-	-		10	3/21/2007

Analyst: J.J.

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 22-Mar-07

CLIENT: Mactec

Work Order: 07030323

Project: South Mesa / 4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R85339	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 85339						
Client ID:	Batch ID: R85339	TestNo: TO15		Analysis Date: 3/21/2007	SeqNo: 1010711						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	<0.50	0.50									
1,1,2,2-Tetrachloroethane	<0.50	0.50									
1,1,2-Trichloroethane	<0.50	0.50									
1,1-Dichloroethane	<0.50	0.50									
1,1-Dichloroethene	<0.50	0.50									
1,2,4-Trichlorobenzene	<2.0	2.0									
1,2,4-Trimethylbenzene	<0.50	0.50									
1,2-Dibromoethane	<0.50	0.50									
1,2-Dichlorobenzene	<0.50	0.50									
1,2-Dichloroethane	<0.50	0.50									
1,2-Dichloropropane	<0.50	0.50									
1,3,5-Trimethylbenzene	<0.50	0.50									
1,3-Butadiene	<0.50	0.50									
1,3-Dichlorobenzene	<0.50	0.50									
1,4-Dichlorobenzene	<0.50	0.50									
2,2,4-Trimethylpentane	<0.50	0.50									
2-Butanone (MEK)	<1.0	1.0									
2-Hexanone	<1.0	1.0									
2-Propanol	<2.0	2.0									
4-Ethyltoluene	<0.50	0.50									
4-Methyl-2-pentanone	<1.0	1.0									
Acetone	<5.0	5.0									
Allyl chloride	<0.50	0.50									
Benzene	<0.50	0.50									
Benzyl chloride	<2.0	2.0									
Bromodichloromethane	<0.50	0.50									
Bromoethene(Vinyl Bromide)	<0.50	0.50									
Bromoform	<0.50	0.50									

Qualifiers: E Value above quantitation range ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits

R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: Mactec
Work Order: 07030323
Project: South Mesa / 4972-04-2034

ANALYTICAL QC SUMMARY REPORT
TestCode: TO15

Sample ID: MB-R85339	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 85339						
Client ID:	Batch ID: R85339	TestNo: TO15		Analysis Date: 3/21/2007	SeqNo: 1010711						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	<0.50	0.50									
Carbon disulfide	<0.50	0.50									
Carbon tetrachloride	<0.50	0.50									
Chlorobenzene	<0.50	0.50									
Chloroethane	<0.50	0.50									
Chloroform	<0.50	0.50									
Chloromethane	<0.50	0.50									
cis-1,2-Dichloroethene	<0.50	0.50									
cis-1,3-Dichloropropene	<0.50	0.50									
Cyclohexane	<0.50	0.50									
Dibromochloromethane	<0.50	0.50									
Dichlorodifluoromethane(F-12)	<0.50	0.50									
Dichlorotetrafluoroethane(F-114)	<0.50	0.50									
Ethyl Acetate	<0.50	0.50									
Ethylbenzene	<0.50	0.50									
Heptane	<0.50	0.50									
Hexachlorobutadiene	<1.0	1.0									
Hexane	<0.50	0.50									
m&p-Xylene	<1.0	1.0									
Methyl tert-butyl ether	<1.0	1.0									
Methylene chloride	<0.50	0.50									
o-Xylene	<0.50	0.50									
Propene (Propylene)	<0.50	0.50									
Styrene	<0.50	0.50									
Tetrachloroethene	<0.50	0.50									
Tetrahydrofuran	<2.0	2.0									
Toluene	<0.50	0.50									
trans-1,2-Dichloroethene	<0.50	0.50									
trans-1,3-Dichloropropene	<0.50	0.50									

Qualifiers: E Value above quantitation range
 ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

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CLIENT:

Mactec

Work Order: 07030323

Project: South Mesa / 4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R85339	SampleType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 85339						
Client ID:	Batch ID: R85339	TestNo: TO15		Analysis Date: 3/21/2007	SeqNo: 1010711						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichloroethene	<0.50	0.50									
Trichlorofluoromethane(F-11)	<0.50	0.50									
Trichlorotrifluoroethane(F-113)	<0.50	0.50									
Vinyl acetate	<0.50	0.50									
Vinyl chloride	<0.50	0.50									
Surr: 4-Bromofluorobenzene	9.970	0.50	10	0	99.7	70	130				

Sample ID: LCS-R85339	SampleType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 85339						
Client ID:	Batch ID: R85339	TestNo: TO15		Analysis Date: 3/21/2007	SeqNo: 1010714						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane	10.97	0.50	10	0	110	65	135				
1,1,2,2-Tetrachloroethane	10.62	0.50	10	0	106	65	135				
1,1,2-Trichloroethane	10.77	0.50	10	0	108	65	135				
1,1-Dichloroethane	10.92	0.50	10	0	109	65	135				
1,1-Dichloroethene	10.92	0.50	10	0	109	65	135				
1,2,4-Trichlorobenzene	9.960	2.0	10	0	99.6	65	135				
1,2,4-Trimethylbenzene	11.45	0.50	10	0	114	65	135				
1,2-Dibromoethane	10.92	0.50	10	0	109	65	135				
1,2-Dichlorobenzene	10.81	0.50	10	0	108	65	135				
1,2-Dichloroethane	10.75	0.50	10	0	108	65	135				
1,2-Dichloropropane	10.75	0.50	10	0	108	65	135				
1,3,5-Trimethylbenzene	11.08	0.50	10	0	111	65	135				
1,3-Butadiene	10.32	0.50	10	0	103	65	135				
1,3-Dichlorobenzene	10.84	0.50	10	0	108	65	135				
1,4-Dichlorobenzene	10.75	0.50	10	0	108	65	135				
2,2,4-Trimethylpentane	10.70	0.50	10	0	107	65	135				
2-Butanone (MEK)	10.78	1.0	10	0	108	65	135				
2-Hexanone	10.56	1.0	10	0	106	65	135				

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits



CLIENT: Mactec
Work Order: 07030323
Project: South Mesa / 4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R85339	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 85339						
Client ID:	Batch ID: R85339	TestNo: TO15		Analysis Date: 3/21/2007	SeqNo: 1010714						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Propanol	9.400	2.0	10	0	94.0	65	135				
4-Ethyltoluene	11.10	0.50	10	0	111	65	135				
4-Methyl-2-pentanone	11.56	1.0	10	0	116	65	135				
Acetone	10.19	5.0	10	0	102	65	135				
Allyl chloride	10.60	0.50	10	0	106	65	135				
Benzene	11.04	0.50	10	0	110	65	135				
Benzyl chloride	10.97	2.0	10	0	110	65	135				
Bromodichloromethane	10.51	0.50	10	0	105	65	135				
Bromoethene(Vinyl Bromide)	9.800	0.50	10	0	98.0	65	135				
Bromoform	10.47	0.50	10	0	105	65	135				
Bromomethane	9.960	0.50	10	0	99.6	65	135				
Carbon disulfide	10.20	0.50	10	0	102	65	135				
Carbon tetrachloride	10.95	0.50	10	0	110	65	135				
Chlorobenzene	10.73	0.50	10	0	107	65	135				
Chloroethane	10.52	0.50	10	0	105	65	135				
Chloroform	10.82	0.50	10	0	108	65	135				
Chloromethane	10.45	0.50	10	0	104	65	135				
cis-1,2-Dichloroethene	10.92	0.50	10	0	109	65	135				
cis-1,3-Dichloropropene	11.28	0.50	10	0	113	65	135				
Cyclohexane	10.97	0.50	10	0	110	65	135				
Dibromochloromethane	10.50	0.50	10	0	105	65	135				
Dichlorodifluoromethane(F-12)	10.58	0.50	10	0	106	65	135				
Dichlorotetrafluoroethane(F-114)	10.63	0.50	10	0	106	65	135				
Ethyl Acetate	10.50	0.50	10	0	105	65	135				
Ethylbenzene	11.08	0.50	10	0	111	65	135				
Heptane	10.57	0.50	10	0	106	65	135				
Hexachlorobutadiene	9.960	1.0	10	0	99.6	65	135				
Hexane	11.16	0.50	10	0	112	65	135				
m&p-Xylene	21.60	1.0	20	0	108	65	135				

Qualifiers: E Value above quantitation range ND Not Detected at the Reporting Limit H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT:

Mactec

Work Order: 07030323

Project: South Mesa / 4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R85339	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 85339						
Client ID:	Batch ID: R85339	TestNo: TO15		Analysis Date: 3/21/2007	SeqNo: 1010714						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Methyl tert-butyl ether	10.55	1.0	10	0	106	65	135				
Methylene chloride	10.37	0.50	10	0	104	65	135				
o-Xylene	10.98	0.50	10	0	110	65	135				
Propene (Propylene)	9.950	0.50	10	0	99.5	65	135				
Styrene	11.38	0.50	10	0	114	65	135				
Tetrachloroethene	10.88	0.50	10	0	109	65	135				
Tetrahydrofuran	10.86	2.0	10	0	109	65	135				
Toluene	11.30	0.50	10	0	113	65	135				
trans-1,2-Dichloroethene	10.43	0.50	10	0	104	65	135				
trans-1,3-Dichloropropene	11.22	0.50	10	0	112	65	135				
Trichloroethene	10.90	0.50	10	0	109	65	135				
Trichlorofluoromethane(F-11)	11.00	0.50	10	0	110	65	135				
Trichlorotrifluoroethane(F-113)	10.92	0.50	10	0	109	65	135				
Vinyl acetate	10.64	0.50	10	0	106	65	135				
Vinyl chloride	10.15	0.50	10	0	102	65	135				
Surr: 4-Bromofluorobenzene	10.27	0.50	10	0	103	70	130				

Sample ID: LCSD-R85339	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 85339						
Client ID:	Batch ID: R85339	TestNo: TO15		Analysis Date: 3/21/2007	SeqNo: 1010719						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane	11.12	0.50	10	0	111	65	135	10.97	1.36	25	
1,1,2,2-Tetrachloroethane	10.62	0.50	10	0	106	65	135	10.62	0	25	
1,1,2-Trichloroethane	10.72	0.50	10	0	107	65	135	10.77	0.465	25	
1,1-Dichloroethane	10.93	0.50	10	0	109	65	135	10.92	0.0915	25	
1,1-Dichloroethene	11.00	0.50	10	0	110	65	135	10.92	0.730	25	
1,2,4-Trichlorobenzene	10.46	2.0	10	0	105	65	135	9.960	4.90	25	
1,2,4-Trimethylbenzene	11.36	0.50	10	0	114	65	135	11.45	0.789	25	
1,2-Dibromoethane	10.92	0.50	10	0	109	65	135	10.92	0	25	

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Mactec

Work Order: 07030323

Project: South Mesa / 4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCSD-R85339	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 85339						
Client ID:	Batch ID: R85339	TestNo: TO15		Analysis Date: 3/21/2007	SeqNo: 1010719						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichlorobenzene	10.83	0.50	10	0	108	65	135	10.81	0.185	25	
1,2-Dichloroethane	10.82	0.50	10	0	108	65	135	10.75	0.649	25	
1,2-Dichloropropane	10.83	0.50	10	0	108	65	135	10.75	0.741	25	
1,3,5-Trimethylbenzene	11.01	0.50	10	0	110	65	135	11.08	0.634	25	
1,3-Butadiene	10.30	0.50	10	0	103	65	135	10.32	0.194	25	
1,3-Dichlorobenzene	10.85	0.50	10	0	108	65	135	10.84	0.0922	25	
1,4-Dichlorobenzene	10.77	0.50	10	0	108	65	135	10.75	0.186	25	
2,2,4-Trimethylpentane	10.79	0.50	10	0	108	65	135	10.70	0.838	25	
2-Butanone (MEK)	10.70	1.0	10	0	107	65	135	10.78	0.745	25	
2-Hexanone	10.28	1.0	10	0	103	65	135	10.56	2.69	25	
2-Propanol	9.500	2.0	10	0	95.0	65	135	9.400	1.06	25	
4-Ethyltoluene	11.03	0.50	10	0	110	65	135	11.10	0.633	25	
4-Methyl-2-pentanone	11.53	1.0	10	0	115	65	135	11.56	0.260	25	
Acetone	10.15	5.0	10	0	102	65	135	10.19	0.393	25	
Allyl chloride	10.80	0.50	10	0	108	65	135	10.60	1.87	25	
Benzene	11.20	0.50	10	0	112	65	135	11.04	1.44	25	
Benzyl chloride	11.17	2.0	10	0	112	65	135	10.97	1.81	25	
Bromodichloromethane	10.42	0.50	10	0	104	65	135	10.51	0.860	25	
Bromoethene(Vinyl Bromide)	9.950	0.50	10	0	99.5	65	135	9.800	1.52	25	
Bromoform	10.46	0.50	10	0	105	65	135	10.47	0.0956	25	
Bromomethane	10.08	0.50	10	0	101	65	135	9.960	1.20	25	
Carbon disulfide	10.24	0.50	10	0	102	65	135	10.20	0.391	25	
Carbon tetrachloride	10.99	0.50	10	0	110	65	135	10.95	0.365	25	
Chlorobenzene	10.76	0.50	10	0	108	65	135	10.73	0.279	25	
Chloroethane	10.70	0.50	10	0	107	65	135	10.52	1.70	25	
Chloroform	10.89	0.50	10	0	109	65	135	10.82	0.645	25	
Chloromethane	10.48	0.50	10	0	105	65	135	10.45	0.287	25	
cis-1,2-Dichloroethene	10.99	0.50	10	0	110	65	135	10.92	0.639	25	
cis-1,3-Dichloropropene	11.29	0.50	10	0	113	65	135	11.28	0.0886	25	

Qualifiers: E Value above quantitation range
 ND Not Detected at the Reporting Limit
 H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT: Mactec

Work Order: 07030323

Project: South Mesa / 4972-04-2034

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCSD-R85339	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 85339						
Client ID:	Batch ID: R85339	TestNo: TO15		Analysis Date: 3/21/2007	SeqNo: 1010719						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyclohexane	11.14	0.50	10	0	111	65	135	10.97	1.54	25	
Dibromochloromethane	10.49	0.50	10	0	105	65	135	10.50	0.0953	25	
Dichlorodifluoromethane(F-12)	10.58	0.50	10	0	106	65	135	10.58	0	25	
Dichlorotetrafluoroethane(F-114)	10.69	0.50	10	0	107	65	135	10.63	0.563	25	
Ethyl Acetate	10.44	0.50	10	0	104	65	135	10.50	0.573	25	
Ethylbenzene	11.09	0.50	10	0	111	65	135	11.08	0.0902	25	
Heptane	10.57	0.50	10	0	106	65	135	10.57	0	25	
Hexachlorobutadiene	9.830	1.0	10	0	98.3	65	135	9.960	1.31	25	
Hexane	11.33	0.50	10	0	113	65	135	11.16	1.51	25	
m&p-Xylene	21.55	1.0	20	0	108	65	135	21.60	0.232	25	
Methyl tert-butyl ether	10.51	1.0	10	0	105	65	135	10.55	0.380	25	
Methylene chloride	10.46	0.50	10	0	105	65	135	10.37	0.864	25	
o-Xylene	10.93	0.50	10	0	109	65	135	10.98	0.456	25	
Propene (Propylene)	10.13	0.50	10	0	101	65	135	9.950	1.79	25	
Styrene	11.48	0.50	10	0	115	65	135	11.38	0.875	25	
Tetrachloroethene	10.92	0.50	10	0	109	65	135	10.88	0.367	25	
Tetrahydrofuran	10.83	2.0	10	0	108	65	135	10.86	0.277	25	
Toluene	11.28	0.50	10	0	113	65	135	11.30	0.177	25	
trans-1,2-Dichloroethene	10.63	0.50	10	0	106	65	135	10.43	1.90	25	
trans-1,3-Dichloropropene	11.23	0.50	10	0	112	65	135	11.22	0.0891	25	
Trichloroethene	10.93	0.50	10	0	109	65	135	10.90	0.275	25	
Trichlorofluoromethane(F-11)	10.91	0.50	10	0	109	65	135	11.00	0.822	25	
Trichlorotrifluoroethane(F-113)	10.98	0.50	10	0	110	65	135	10.92	0.548	25	
Vinyl acetate	10.69	0.50	10	0	107	65	135	10.64	0.469	25	
Vinyl chloride	10.25	0.50	10	0	103	65	135	10.15	0.980	25	
Surr: 4-Bromofluorobenzene	10.21	0.50	10	0	102	70	130	10.27	0	0	

Qualifiers: E Value above quantitation range ND Not Detected at the Reporting Limit H Holding times for preparation or analysis exceeded R RPD outside accepted recovery limits J Analyte detected below quantitation limits S Spike Recovery outside accepted recovery limits

Aerotech Environmental Laboratories Sample Receipt Checklist

Project Checked By:

Laboratory Number: <u>07-03-0323</u>	Checklist completed by: <u>[Signature]</u> <u>3/12/07</u>
Client Name: <u>Mactec</u>	Signature/Date
Matrix: <u>Amb</u>	Carrier Name: <u>M. Hammer</u> Date/Time Rec'd: <u>3/12/07 1035</u> By: <u>RF</u>

 Temperature of Samples? Amb °C Circle one: Blue Ice Wet Ice Not Present

Client or PM made aware temp. out of range?	Yes	No	Yes	No*	Not Present	Soil Containers:
Shipping container/cooler in good condition?			X			Brass Sleeve
Custody seals intact on shipping container/cooler?						Glass Jar
Custody seals intact on sample containers?					X	Methanol
Chain of Custody present and relinquished/received properly?			X			Plastic Bag
Chain of Custody agrees with sample labels?			X			Encore Samplers
Samples in proper containers/bottles?			X			Sterile Plastic
Sample containers intact?			X			
All samples received within holding time?			X			**See Comments about Chlorine and pH
Is there sufficient sample volume to perform the tests?			X			
40mL vials for volatiles & SOC's received with zero headspace?					X	

 Total number of bottles received: 3 IH sample media: 16 Canisters
 If applicable, how many sample bottles were shipped from AEL-Tucson? N/A X

Number of containers received by preservative and by sample number: (If more than 15 samples are rec'd, please continue on separate sheet(s))

Preservative	Simple***	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A-General	<u>3</u>															
B-HNO3																
C-H2SO4																
D-HCl																
E-Na2S2O3																
F-NaOH																
G-Sulfide																
H-Na Sulfite																
I-MCAA																
J-Methanol																
K-HAA																
L-Other																

 Water-pH acceptable upon receipt? Yes No N/A X

Preservative & pH	pH of samples upon receipt	If pH requires adjustment, list sample number, and reagent I.D. number
Metals <2		
Nutrients <2		
Total Phenols <2		
1664 <2		
Cyanide >12		
Sulfide >9		

*Any No response must be detailed in the comments section below. Contact the PM immediately to determine how to proceed. Refer to SOP 11-001. Continue on back if additional space is needed.

**The holding time for pH and Total Residual Chlorine analysis is immediate. For the most accurate result, the pH and Total Residual Chlorine should be taken in the field within 15 minutes of sampling.

***The Simple box is only to be used when there is one bottle per preservative in equal sample sets.

Comments:

Corrective Action:



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[] Main Lab - 4845 E. Cotton Center Blvd., Building 3, Suite 189, Phoenix, AZ 85040 602.437.3340 - FAX 623.445.6192
[] North Phoenix - 1501 W. Knudsen, Phoenix, AZ 85027 623.780.4800 - FAX 623.445.6216
[] Tucson - 4455 S. Park Ave, Suite 110, Tucson, AZ 85714 520.807.3801 - FAX 520.807.3803
www.aerovirolabs.com or call toll-free 866.772.5227

Customer Number:		Page 1 of 1	
Customer: MACTEC, INC		Sampler: MARK HAMMER	
Address: 3630 E WILDER AVE		Project Name: SWATH DESA	
City, State, Zip: AUSTIN, TX, 78740		Project Number: 4972-04-2034	
Contact: JIM CLARKE		P.O. Number:	
Phone: 602 437-0250		Fax Results: N	
E-Mail Address: JIMCLARKE@MACTEC.COM		E-Mail Results: N	
Temperature: 17.0 °C		Turn Around Request	
Custody Seals: Yes No		24 Hours 48 Hours	
Custody Seals Intact: Yes No		72 Hours	
Total # of Containers: 3		5 working Day	
		X Standard 10 Working Days	
		Subject to scheduling and availability (surcharges apply)	
Sample Receipt			
Sample Identification			
Date			
Time			
Type			
Final			
Receipt			
TO-14 List of TO-15			
TO-15 list			
PCE Only by TO-15			
Analyses Requested			

Instructions / Special Requirements:

Date: _____ Time: _____

Samples Relinquished By:

Received By:



Aerotech Environmental Laboratories

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Monday, April 16, 2007

Jim Clarke
Mactec
3630 East Wier Avenue
Phoenix, AZ 85040

TEL: (602) 437-0250

FAX (602) 437-3675

RE: South Mesa/4972-06-2050.4.5

Order No.: 07040216

Dear Jim Clarke:

Aerotech Environmental Laboratories received 3 sample(s) on 4/5/2007 for the analyses presented in the following report.

This report includes the following information:

- Case Narrative.
- Analytical Report: includes test results, report limit (Limit), any applicable data qualifier (Qual), units, dilution factor (DF), and date analyzed.
- QC Summary Report.

This communication is intended only for the individual or entity to whom it is directed. It may contain information that is privileged, confidential, or otherwise exempt from disclosure under applicable law. Dissemination, distribution, or copying of this communication by anyone other than the intended recipient, or a duly designated employee or agent of such recipient, is prohibited. If you have received this communication in error, please notify us immediately and destroy this message and all attachments thereto. If you have any questions regarding these test results, please do not hesitate to call.

Sincerely,

Tim Trestrail
Project Manager



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental Laboratories

Date: 17-Apr-07

CLIENT: Mactec
Project: South Mesa/4972-06-2050.4.5
Lab Order: 07040216

CASE NARRATIVE

Analyses included in this report were performed by Aerotech Environmental Laboratories (AEL), 4645 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ.

AEL is licensed through the State of Arizona (License No. AZ0610), and holds NELAC accreditation (OR100001) through the State of Oregon for the analytical techniques noted on the scope of accreditation.

AEL is also accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation.

Samples were analyzed using methods outlined in references such as:

- Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998.
- 40 CFR, Part 136, July 2006. Appendix A to Part 136 - Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater.
- Methods for the Chemical Analysis of Water and Wastes, EPA/600/4-79-020, Revised March 1983.
- Methods for the Determination of Organic Compounds in Drinking Water: Supplement III, August 1995, EPA/600/R-95/131.
- Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA, 3rd Edition 1986, and Updates.
- Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, EPA, Second Edition, 1999.
- NIOSH Manual of Analytical Methods, Fourth Edition, 1994.

Analytical Comments:

All method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Data Qualifiers:

Listed below are the data qualifiers used in your analytical report to explain any analytical or quality control issues. You will find them noted in your report under the column header "QUAL". Any quality control deficiencies that cannot be adequately described by these qualifiers will be addressed in the analytical comments section of this case narrative.

D2 Sample required dilution due to high concentration of target analyte.



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 17-Apr-07

CLIENT: Mactec
Lab Order: 07040216
Project: South Mesa/4972-06-2050.4.5
Lab ID: 07040216-01A

Client Sample ID: EFF
Tag Number: 0614
Collection Date: 4/5/2007 9:52:00 AM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR			TO15				Analyst: J.J.
1,1,1-Trichloroethane	< 0.50	0.50	< 2.8	2.8	1		4/12/2007
1,1,2,2-Tetrachloroethane	< 0.50	0.50	< 3.5	3.5	1		4/12/2007
1,1,2-Trichloroethane	< 0.50	0.50	< 2.8	2.8	1		4/12/2007
1,1-Dichloroethane	< 0.50	0.50	< 2.1	2.1	1		4/12/2007
1,1-Dichloroethene	< 0.50	0.50	< 2.0	2.0	1		4/12/2007
1,2,4-Trichlorobenzene	< 2.0	2.0	< 15	15	1		4/12/2007
1,2,4-Trimethylbenzene	12	0.50	60	2.5	1		4/12/2007
1,2-Dibromoethane	< 0.50	0.50	< 3.9	3.9	1		4/12/2007
1,2-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1		4/12/2007
1,2-Dichloroethane	< 0.50	0.50	< 2.1	2.1	1		4/12/2007
1,2-Dichloropropane	< 0.50	0.50	< 2.4	2.4	1		4/12/2007
1,3,5-Trimethylbenzene	2.6	0.50	13	2.5	1		4/12/2007
1,3-Butadiene	< 0.50	0.50	< 1.1	1.1	1		4/12/2007
1,3-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1		4/12/2007
1,4-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1		4/12/2007
2,2,4-Trimethylpentane	< 0.50	0.50	< 2.4	2.4	1		4/12/2007
2-Butanone (MEK)	< 1.0	1.0	< 3.0	3.0	1		4/12/2007
2-Hexanone	< 1.0	1.0	< 4.2	4.2	1		4/12/2007
2-Propanol	< 2.0	2.0	< 5.0	5.0	1		4/12/2007
4-Ethyltoluene	1.6	0.50	7.1	2.2	1		4/12/2007
4-Methyl-2-pentanone	< 1.0	1.0	< 4.2	4.2	1		4/12/2007
Acetone	23	5.0	55	12	1		4/12/2007
Allyl chloride	< 0.50	0.50	< 0.80	0.80	1		4/12/2007
Benzene	< 0.50	0.50	< 1.6	1.6	1		4/12/2007
Benzyl chloride	< 2.0	2.0	< 11	11	1		4/12/2007
Bromodichloromethane	< 0.50	0.50	< 3.4	3.4	1		4/12/2007

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 1 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 17-Apr-07

CLIENT:	Mactec	Client Sample ID:	EFF
Lab Order:	07040216	Tag Number:	0614
Project:	South Mesa/4972-06-2050.4.5	Collection Date:	4/5/2007 9:52:00 AM
Lab ID:	07040216-01A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
Bromoethene(Vinyl Bromide)	< 0.50	0.50	< 1.1	1.1	1	4/12/2007	
Bromoform	< 0.50	0.50	< 5.2	5.2	1	4/12/2007	
Bromomethane	< 0.50	0.50	< 2.0	2.0	1	4/12/2007	
Carbon disulfide	< 0.50	0.50	< 1.6	1.6	1	4/12/2007	
Carbon tetrachloride	< 0.50	0.50	< 3.2	3.2	1	4/12/2007	
Chlorobenzene	< 0.50	0.50	< 2.4	2.4	1	4/12/2007	
Chloroethane	< 0.50	0.50	< 1.3	1.3	1	4/12/2007	
Chloroform	< 0.50	0.50	< 2.5	2.5	1	4/12/2007	
Chloromethane	0.84	0.50	1.8	1.0	1	4/12/2007	
cis-1,2-Dichloroethene	< 0.50	0.50	< 2.0	2.0	1	4/12/2007	
cis-1,3-Dichloropropene	< 0.50	0.50	< 2.3	2.3	1	4/12/2007	
Cyclohexane	< 0.50	0.50	< 1.7	1.7	1	4/12/2007	
Dibromochloromethane	< 0.50	0.50	< 4.3	4.3	1	4/12/2007	
Dichlorodifluoromethane(F-12)	0.64	0.50	3.2	2.5	1	4/12/2007	
Dichlorotetrafluoroethane(F-114)	< 0.50	0.50	< 3.6	3.6	1	4/12/2007	
Ethyl Acetate	< 0.50	0.50	< 1.8	1.8	1	4/12/2007	
Ethylbenzene	< 0.50	0.50	< 2.2	2.2	1	4/12/2007	
Heptane	< 0.50	0.50	< 2.1	2.1	1	4/12/2007	
Hexachlorobutadiene	< 1.0	1.0	< 11	11	1	4/12/2007	
Hexane	< 0.50	0.50	< 1.8	1.8	1	4/12/2007	
m&p-Xylene	< 1.0	1.0	< 4.4	4.4	1	4/12/2007	
Methyl tert-butyl ether	< 1.0	1.0	< 3.7	3.7	1	4/12/2007	
Methylene chloride	< 0.50	0.50	< 1.8	1.8	1	4/12/2007	
o-Xylene	0.65	0.50	2.9	2.2	1	4/12/2007	
Propene (Propylene)	< 0.50	0.50	< 0.88	0.88	1	4/12/2007	
Styrene	< 0.50	0.50	< 2.2	2.2	1	4/12/2007	

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 2 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 17-Apr-07

CLIENT:	Mactec	Client Sample ID:	EFF
Lab Order:	07040216	Tag Number:	0614
Project:	South Mesa/4972-06-2050.4.5	Collection Date:	4/5/2007 9:52:00 AM
Lab ID:	07040216-01A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
Tetrachloroethene	< 0.50	0.50	< 3.4	3.4	1	4/12/2007	
Tetrahydrofuran	< 2.0	2.0	< 6.0	6.0	1	4/12/2007	
Toluene	0.88	0.50	3.4	1.9	1	4/12/2007	
trans-1,2-Dichloroethene	< 0.50	0.50	< 2.0	2.0	1	4/12/2007	
trans-1,3-Dichloropropene	< 0.50	0.50	< 2.3	2.3	1	4/12/2007	
Trichloroethene	< 0.50	0.50	< 2.8	2.8	1	4/12/2007	
Trichlorofluoromethane(F-11)	< 0.50	0.50	< 2.8	2.8	1	4/12/2007	
Trichlorotrifluoroethane(F-113)	< 0.50	0.50	< 3.9	3.9	1	4/12/2007	
Vinyl acetate	< 0.50	0.50	< 1.8	1.8	1	4/12/2007	
Vinyl chloride	< 0.50	0.50	< 1.3	1.3	1	4/12/2007	
Surr: 4-Bromofluorobenzene	98.6 %REC	70-130	-	-	1	4/12/2007	

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 3 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 17-Apr-07

CLIENT:	Mactec	Client Sample ID:	INT
Lab Order:	07040216	Tag Number:	0274
Project:	South Mesa/4972-06-2050.4.5	Collection Date:	4/5/2007 10:05:00 AM
Lab ID:	07040216-02A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
1,1,1-Trichloroethane	< 5.0	5.0	< 28	28	10	4/13/2007	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	< 35	35	10	4/13/2007	
1,1,2-Trichloroethane	< 5.0	5.0	< 28	28	10	4/13/2007	
1,1-Dichloroethane	< 5.0	5.0	< 21	21	10	4/13/2007	
1,1-Dichloroethene	< 5.0	5.0	< 20	20	10	4/13/2007	
1,2,4-Trichlorobenzene	< 20	20	< 150	150	10	4/13/2007	
1,2,4-Trimethylbenzene	< 5.0	5.0	< 25	25	10	4/13/2007	
1,2-Dibromoethane	< 5.0	5.0	< 39	39	10	4/13/2007	
1,2-Dichlorobenzene	< 5.0	5.0	< 31	31	10	4/13/2007	
1,2-Dichloroethane	< 5.0	5.0	< 21	21	10	4/13/2007	
1,2-Dichloropropane	< 5.0	5.0	< 24	24	10	4/13/2007	
1,3,5-Trimethylbenzene	< 5.0	5.0	< 25	25	10	4/13/2007	
1,3-Butadiene	< 5.0	5.0	< 11	11	10	4/13/2007	
1,3-Dichlorobenzene	< 5.0	5.0	< 31	31	10	4/13/2007	
1,4-Dichlorobenzene	< 5.0	5.0	< 31	31	10	4/13/2007	
2,2,4-Trimethylpentane	91	5.0	430	24	D2 10	4/13/2007	
2-Butanone (MEK)	< 10	10	< 30	30	10	4/13/2007	
2-Hexanone	< 10	10	< 42	42	10	4/13/2007	
2-Propanol	< 20	20	< 50	50	10	4/13/2007	
4-Ethyltoluene	< 5.0	5.0	< 22	22	10	4/13/2007	
4-Methyl-2-pentanone	< 10	10	< 42	42	10	4/13/2007	
Acetone	< 50	50	< 120	120	10	4/13/2007	
Allyl chloride	< 5.0	5.0	< 8.0	8.0	10	4/13/2007	
Benzene	< 5.0	5.0	< 16	16	10	4/13/2007	
Benzyl chloride	< 20	20	< 110	110	10	4/13/2007	
Bromodichloromethane	< 5.0	5.0	< 34	34	10	4/13/2007	

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 4 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 17-Apr-07

CLIENT:	Mactec	Client Sample ID:	INT
Lab Order:	07040216	Tag Number:	0274
Project:	South Mesa/4972-06-2050.4.5	Collection Date:	4/5/2007 10:05:00 AM
Lab ID:	07040216-02A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
Bromoethene(Vinyl Bromide)	< 5.0	5.0	< 11	11	10	4/13/2007	
Bromoform	< 5.0	5.0	< 52	52	10	4/13/2007	
Bromomethane	< 5.0	5.0	< 20	20	10	4/13/2007	
Carbon disulfide	< 5.0	5.0	< 16	16	10	4/13/2007	
Carbon tetrachloride	< 5.0	5.0	< 32	32	10	4/13/2007	
Chlorobenzene	< 5.0	5.0	< 24	24	10	4/13/2007	
Chloroethane	< 5.0	5.0	< 13	13	10	4/13/2007	
Chloroform	< 5.0	5.0	< 25	25	10	4/13/2007	
Chloromethane	< 5.0	5.0	< 10	10	10	4/13/2007	
cis-1,2-Dichloroethene	< 5.0	5.0	< 20	20	10	4/13/2007	
cis-1,3-Dichloropropene	< 5.0	5.0	< 23	23	10	4/13/2007	
Cyclohexane	< 5.0	5.0	< 17	17	10	4/13/2007	
Dibromochloromethane	< 5.0	5.0	< 43	43	10	4/13/2007	
Dichlorodifluoromethane(F-12)	< 5.0	5.0	< 25	25	10	4/13/2007	
Dichlorotetrafluoroethane(F-114)	< 5.0	5.0	< 36	36	10	4/13/2007	
Ethyl Acetate	< 5.0	5.0	< 18	18	10	4/13/2007	
Ethylbenzene	< 5.0	5.0	< 22	22	10	4/13/2007	
Heptane	< 5.0	5.0	< 21	21	10	4/13/2007	
Hexachlorobutadiene	< 10	10	< 110	110	10	4/13/2007	
Hexane	< 5.0	5.0	< 18	18	10	4/13/2007	
m&p-Xylene	< 10	10	< 44	44	10	4/13/2007	
Methyl tert-butyl ether	< 10	10	< 37	37	10	4/13/2007	
Methylene chloride	< 5.0	5.0	< 18	18	10	4/13/2007	
o-Xylene	< 5.0	5.0	< 22	22	10	4/13/2007	
Propene (Propylene)	< 5.0	5.0	< 8.8	8.8	10	4/13/2007	
Styrene	< 5.0	5.0	< 22	22	10	4/13/2007	

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank

- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 5 of 9



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental Laboratories

Date: 17-Apr-07

CLIENT:	Mactec	Client Sample ID:	INT
Lab Order:	07040216	Tag Number:	0274
Project:	South Mesa/4972-06-2050.4.5	Collection Date:	4/5/2007 10:05:00 AM
Lab ID:	07040216-02A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR							
		TO15					Analyst: J.J.
Tetrachloroethene	460	5.0	3200	34	D2	10	4/13/2007
Tetrahydrofuran	< 20	20	< 60	60		10	4/13/2007
Toluene	< 5.0	5.0	< 19	19		10	4/13/2007
trans-1,2-Dichloroethene	< 5.0	5.0	< 20	20		10	4/13/2007
trans-1,3-Dichloropropene	< 5.0	5.0	< 23	23		10	4/13/2007
Trichloroethene	< 5.0	5.0	< 28	28		10	4/13/2007
Trichlorofluoromethane(F-11)	< 5.0	5.0	< 28	28		10	4/13/2007
Trichlorotrifluoroethane(F-113)	< 5.0	5.0	< 39	39		10	4/13/2007
Vinyl acetate	< 5.0	5.0	< 18	18		10	4/13/2007
Vinyl chloride	< 5.0	5.0	< 13	13		10	4/13/2007
Surr: 4-Bromofluorobenzene	95.4 %REC	70-130	-	-		10	4/13/2007

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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Date: 17-Apr-07

CLIENT: Mactec
Lab Order: 07040216
Project: South Mesa/4972-06-2050.4.5
Lab ID: 07040216-03A

Client Sample ID: VW-7A
Tag Number: 0308
Collection Date: 4/5/2007 10:20:00 AM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15					Analyst: J.J.
1,1,1-Trichloroethane	< 2.5	2.5	< 14	14	5	4/13/2007	
1,1,2,2-Tetrachloroethane	< 2.5	2.5	< 17	17	5	4/13/2007	
1,1,2-Trichloroethane	< 2.5	2.5	< 14	14	5	4/13/2007	
1,1-Dichloroethane	4.4	2.5	18	10	5	4/13/2007	
1,1-Dichloroethene	< 2.5	2.5	< 10	10	5	4/13/2007	
1,2,4-Trichlorobenzene	< 10	10	< 75	75	5	4/13/2007	
1,2,4-Trimethylbenzene	< 2.5	2.5	< 12	12	5	4/13/2007	
1,2-Dibromoethane	< 2.5	2.5	< 20	20	5	4/13/2007	
1,2-Dichlorobenzene	< 2.5	2.5	< 15	15	5	4/13/2007	
1,2-Dichloroethane	< 2.5	2.5	< 10	10	5	4/13/2007	
1,2-Dichloropropane	< 2.5	2.5	< 12	12	5	4/13/2007	
1,3,5-Trimethylbenzene	< 2.5	2.5	< 12	12	5	4/13/2007	
1,3-Butadiene	< 2.5	2.5	< 5.6	5.6	5	4/13/2007	
1,3-Dichlorobenzene	< 2.5	2.5	< 15	15	5	4/13/2007	
1,4-Dichlorobenzene	< 2.5	2.5	< 15	15	5	4/13/2007	
2,2,4-Trimethylpentane	< 2.5	2.5	< 12	12	5	4/13/2007	
2-Butanone (MEK)	< 5.0	5.0	< 15	15	5	4/13/2007	
2-Hexanone	< 5.0	5.0	< 21	21	5	4/13/2007	
2-Propanol	< 10	10	< 25	25	5	4/13/2007	
4-Ethyltoluene	< 2.5	2.5	< 11	11	5	4/13/2007	
4-Methyl-2-pentanone	< 5.0	5.0	< 21	21	5	4/13/2007	
Acetone	< 25	25	< 60	60	5	4/13/2007	
Allyl chloride	< 2.5	2.5	< 4.0	4.0	5	4/13/2007	
Benzene	< 2.5	2.5	< 8.1	8.1	5	4/13/2007	
Benzyl chloride	< 10	10	< 53	53	5	4/13/2007	
Bromodichloromethane	< 2.5	2.5	< 17	17	5	4/13/2007	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 7 of 9



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Aerotech Environmental Laboratories

Date: 17-Apr-07

CLIENT:	Mactec	Client Sample ID:	VW-7A
Lab Order:	07040216	Tag Number:	0308
Project:	South Mesa/4972-06-2050.4.5	Collection Date:	4/5/2007 10:20:00 AM
Lab ID:	07040216-03A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
Bromoethene(Vinyl Bromide)	< 2.5	2.5	< 5.6	5.6	5	4/13/2007	
Bromoform	< 2.5	2.5	< 26	26	5	4/13/2007	
Bromomethane	< 2.5	2.5	< 9.9	9.9	5	4/13/2007	
Carbon disulfide	< 2.5	2.5	< 7.9	7.9	5	4/13/2007	
Carbon tetrachloride	< 2.5	2.5	< 16	16	5	4/13/2007	
Chlorobenzene	< 2.5	2.5	< 12	12	5	4/13/2007	
Chloroethane	< 2.5	2.5	< 6.7	6.7	5	4/13/2007	
Chloroform	3.0	2.5	15	12	5	4/13/2007	
Chloromethane	< 2.5	2.5	< 5.2	5.2	5	4/13/2007	
cis-1,2-Dichloroethene	< 2.5	2.5	< 10	10	5	4/13/2007	
cis-1,3-Dichloropropene	< 2.5	2.5	< 12	12	5	4/13/2007	
Cyclohexane	< 2.5	2.5	< 8.7	8.7	5	4/13/2007	
Dibromochloromethane	< 2.5	2.5	< 22	22	5	4/13/2007	
Dichlorodifluoromethane(F-12)	< 2.5	2.5	< 13	13	5	4/13/2007	
Dichlorotetrafluoroethane(F-114)	< 2.5	2.5	< 18	18	5	4/13/2007	
Ethyl Acetate	< 2.5	2.5	< 9.2	9.2	5	4/13/2007	
Ethylbenzene	< 2.5	2.5	< 11	11	5	4/13/2007	
Heptane	< 2.5	2.5	< 10	10	5	4/13/2007	
Hexachlorobutadiene	< 5.0	5.0	< 54	54	5	4/13/2007	
Hexane	< 2.5	2.5	< 8.9	8.9	5	4/13/2007	
m&p-Xylene	< 5.0	5.0	< 22	22	5	4/13/2007	
Methyl tert-butyl ether	< 5.0	5.0	< 18	18	5	4/13/2007	
Methylene chloride	< 2.5	2.5	< 8.8	8.8	5	4/13/2007	
o-Xylene	< 2.5	2.5	< 11	11	5	4/13/2007	
Propene (Propylene)	< 2.5	2.5	< 4.4	4.4	5	4/13/2007	
Styrene	< 2.5	2.5	< 11	11	5	4/13/2007	

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

Page 8 of 9



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 17-Apr-07

CLIENT:	Mactec	Client Sample ID:	VW-7A
Lab Order:	07040216	Tag Number:	0308
Project:	South Mesa/4972-06-2050.4.5	Collection Date:	4/5/2007 10:20:00 AM
Lab ID:	07040216-03A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
Tetrachloroethene	140	2.5	970	17	D2	5	4/13/2007
Tetrahydrofuran	< 10	10	< 30	30		5	4/13/2007
Toluene	< 2.5	2.5	< 9.6	9.6		5	4/13/2007
trans-1,2-Dichloroethene	< 2.5	2.5	< 10	10		5	4/13/2007
trans-1,3-Dichloropropene	< 2.5	2.5	< 12	12		5	4/13/2007
Trichloroethene	< 2.5	2.5	< 14	14		5	4/13/2007
Trichlorofluoromethane(F-11)	< 2.5	2.5	< 14	14		5	4/13/2007
Trichlorotrifluoroethane(F-113)	< 2.5	2.5	< 19	19		5	4/13/2007
Vinyl acetate	< 2.5	2.5	< 8.9	8.9		5	4/13/2007
Vinyl chloride	< 2.5	2.5	< 6.5	6.5		5	4/13/2007
Surr: 4-Bromofluorobenzene	94.9 %REC	70-130	-	-		5	4/13/2007

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



Aerotech Environmental Laboratories

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Aerotech Environmental Laboratories

Date: 16-Apr-07

CLIENT: Mactec

Work Order: 07040216

Project: South Mesa/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R86084	SampleType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 86084						
Client ID:	Batch ID: R86084	TestNo: TO15		Analysis Date: 4/12/2007	SeqNo: 1018897						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	<0.50	0.50									
1,1,2,2-Tetrachloroethane	<0.50	0.50									
1,1,2-Trichloroethane	<0.50	0.50									
1,1-Dichloroethane	<0.50	0.50									
1,1-Dichloroethene	<0.50	0.50									
1,2,4-Trichlorobenzene	<2.0	2.0									
1,2,4-Trimethylbenzene	<0.50	0.50									
1,2-Dibromoethane	<0.50	0.50									
1,2-Dichlorobenzene	<0.50	0.50									
1,2-Dichloroethane	<0.50	0.50									
1,2-Dichloropropane	<0.50	0.50									
1,3,5-Trimethylbenzene	<0.50	0.50									
1,3-Butadiene	<0.50	0.50									
1,3-Dichlorobenzene	<0.50	0.50									
1,4-Dichlorobenzene	<0.50	0.50									
2,2,4-Trimethylpentane	<0.50	0.50									
2-Butanone (MEK)	<1.0	1.0									
2-Hexanone	<1.0	1.0									
2-Propanol	<2.0	2.0									
4-Ethyltoluene	<0.50	0.50									
4-Methyl-2-pentanone	<1.0	1.0									
Acetone	<5.0	5.0									
Allyl chloride	<0.50	0.50									
Benzene	<0.50	0.50									
Benzyl chloride	<2.0	2.0									
Bromodichloromethane	<0.50	0.50									
Bromoethene(Vinyl Bromide)	<0.50	0.50									
Bromoform	<0.50	0.50									

Qualifiers: E Value above quantitation range

ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits

J Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits

CLIENT: Mactec
Work Order: 07040216
Project: South Mesa/4972-06-2050.4.5
TestCode: TO15

ANALYTICAL QC SUMMARY REPORT

Sample ID: MB-R86084	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 86084						
Client ID:	Batch ID: R86084	TestNo: TO15		Analysis Date: 4/12/2007	SeqNo: 1018897						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	<0.50	0.50									
Carbon disulfide	<0.50	0.50									
Carbon tetrachloride	<0.50	0.50									
Chlorobenzene	<0.50	0.50									
Chloroethane	<0.50	0.50									
Chloroform	<0.50	0.50									
Chloromethane	<0.50	0.50									
cis-1,2-Dichloroethene	<0.50	0.50									
cis-1,3-Dichloropropene	<0.50	0.50									
Cyclohexane	<0.50	0.50									
Dibromochloromethane	<0.50	0.50									
Dichlorodifluoromethane(F-12)	<0.50	0.50									
Dichlorotetrafluoroethane(F-114)	<0.50	0.50									
Ethyl Acetate	<0.50	0.50									
Ethylbenzene	<0.50	0.50									
Heptane	<0.50	0.50									
Hexachlorobutadiene	<1.0	1.0									
Hexane	<0.50	0.50									
m&p-Xylene	<1.0	1.0									
Methyl tert-butyl ether	<1.0	1.0									
Methylene chloride	<0.50	0.50									
o-Xylene	<0.50	0.50									
Propene (Propylene)	<0.50	0.50									
Styrene	<0.50	0.50									
Tetrachloroethene	<0.50	0.50									
Tetrahydrofuran	<2.0	2.0									
Toluene	<0.50	0.50									
trans-1,2-Dichloroethene	<0.50	0.50									
trans-1,3-Dichloropropene	<0.50	0.50									

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

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CLIENT:

Mactec

Work Order:

07040216

Project:

South Mesa/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R86084	SampleType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 86084						
Client ID:	Batch ID: R86084	TestNo: TO15		Analysis Date: 4/12/2007	SeqNo: 1018897						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichloroethene	<0.50	0.50									
Trichlorofluoromethane(F-11)	<0.50	0.50									
Trichlorotrifluoroethane(F-113)	<0.50	0.50									
Vinyl acetate	<0.50	0.50									
Vinyl chloride	<0.50	0.50									
Surr: 4-Bromofluorobenzene	9.740	0.50	10	0	97.4	70	130				

Sample ID: LCS-R86084	SampleType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 86084						
Client ID:	Batch ID: R86084	TestNo: TO15		Analysis Date: 4/12/2007	SeqNo: 1018898						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane	8.880	0.50	10	0	88.8	65	135				
1,1,2,2-Tetrachloroethane	9.140	0.50	10	0	91.4	65	135				
1,1,2-Trichloroethane	9.200	0.50	10	0	92.0	65	135				
1,1-Dichloroethane	9.480	0.50	10	0	94.8	65	135				
1,1-Dichloroethene	9.440	0.50	10	0	94.4	65	135				
1,2,4-Trichlorobenzene	9.150	2.0	10	0	91.5	65	135				
1,2,4-Trimethylbenzene	9.850	0.50	10	0	98.5	65	135				
1,2-Dibromoethane	9.310	0.50	10	0	93.1	65	135				
1,2-Dichlorobenzene	9.100	0.50	10	0	91.0	65	135				
1,2-Dichloroethane	8.630	0.50	10	0	86.3	65	135				
1,2-Dichloropropane	9.610	0.50	10	0	96.1	65	135				
1,3,5-Trimethylbenzene	9.450	0.50	10	0	94.5	65	135				
1,3-Butadiene	8.790	0.50	10	0	87.9	65	135				
1,3-Dichlorobenzene	9.170	0.50	10	0	91.7	65	135				
1,4-Dichlorobenzene	9.050	0.50	10	0	90.5	65	135				
2,2,4-Trimethylpentane	9.660	0.50	10	0	96.6	65	135				
2-Butanone (MEK)	9.680	1.0	10	0	96.8	65	135				
2-Hexanone	8.360	1.0	10	0	83.6	65	135				

Qualifiers: E Value above quantitation range

ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits

J Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits

CLIENT: Mactec

Work Order: 07040216

Project: South Mesa/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R86084	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 86084						
Client ID:	Batch ID: R86084	TestNo: TO15		Analysis Date: 4/12/2007	SeqNo: 1018898						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Propanol	9.180	2.0	10	0	91.8	65	135				
4-Ethyltoluene	9.960	0.50	10	0	99.6	65	135				
4-Methyl-2-pentanone	8.690	1.0	10	0	86.9	65	135				
Acetone	8.420	5.0	10	0	84.2	65	135				
Allyl chloride	10.22	0.50	10	0	102	65	135				
Benzene	9.950	0.50	10	0	99.5	65	135				
Benzyl chloride	8.960	2.0	10	0	89.6	65	135				
Bromodichloromethane	8.850	0.50	10	0	88.5	65	135				
Bromoethene(Vinyl Bromide)	9.090	0.50	10	0	90.9	65	135				
Bromoform	8.580	0.50	10	0	85.8	65	135				
Bromomethane	9.200	0.50	10	0	92.0	65	135				
Carbon disulfide	9.360	0.50	10	0	93.6	65	135				
Carbon tetrachloride	8.610	0.50	10	0	86.1	65	135				
Chlorobenzene	9.410	0.50	10	0	94.1	65	135				
Chloroethane	9.060	0.50	10	0	90.6	65	135				
Chloroform	9.080	0.50	10	0	90.8	65	135				
Chloromethane	8.980	0.50	10	0	89.8	65	135				
cis-1,2-Dichloroethene	10.07	0.50	10	0	101	65	135				
cis-1,3-Dichloropropene	9.830	0.50	10	0	98.3	65	135				
Cyclohexane	10.11	0.50	10	0	101	65	135				
Dibromochloromethane	8.740	0.50	10	0	87.4	65	135				
Dichlorodifluoromethane(F-12)	8.700	0.50	10	0	87.0	65	135				
Dichlorotetrafluoroethane(F-114)	9.480	0.50	10	0	94.8	65	135				
Ethyl Acetate	9.270	0.50	10	0	92.7	65	135				
Ethylbenzene	10.00	0.50	10	0	100	65	135				
Heptane	8.820	0.50	10	0	88.2	65	135				
Hexachlorobutadiene	8.360	1.0	10	0	83.6	65	135				
Hexane	10.44	0.50	10	0	104	65	135				
m&p-Xylene	18.94	1.0	20	0	94.7	65	135				

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT:

Mactec

Work Order:

07040216

Project:

South Mesa/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R86084	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 86084						
Client ID:	Batch ID: R86084	TestNo: TO15		Analysis Date: 4/12/2007	SeqNo: 1018898						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Methyl tert-butyl ether	9.330	1.0	10	0	93.3	65	135				
Methylene chloride	9.180	0.50	10	0	91.8	65	135				
o-Xylene	9.180	0.50	10	0	91.8	65	135				
Propene (Propylene)	9.320	0.50	10	0	93.2	65	135				
Styrene	9.960	0.50	10	0	99.6	65	135				
Tetrachloroethene	9.380	0.50	10	0	93.8	65	135				
Tetrahydrofuran	10.57	2.0	10	0	106	65	135				
Toluene	9.870	0.50	10	0	98.7	65	135				
trans-1,2-Dichloroethene	9.850	0.50	10	0	98.5	65	135				
trans-1,3-Dichloropropene	9.480	0.50	10	0	94.8	65	135				
Trichloroethene	9.690	0.50	10	0	96.9	65	135				
Trichlorofluoromethane(F-11)	8.480	0.50	10	0	84.8	65	135				
Trichlorotrifluoroethane(F-113)	9.630	0.50	10	0	96.3	65	135				
Vinyl acetate	9.720	0.50	10	0	97.2	65	135				
Vinyl chloride	9.540	0.50	10	0	95.4	65	135				
Surr: 4-Bromofluorobenzene	9.640	0.50	10	0	96.4	70	130				

Sample ID: LCSD-R86084	Batch ID: R86084	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 86084					
Client ID:			TestNo: TO15		Analysis Date: 4/12/2007	SeqNo: 1018899					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane	8.740	0.50	10	0	87.4	65	135	8.880	1.59	25	
1,1,2,2-Tetrachloroethane	8.880	0.50	10	0	88.8	65	135	9.140	2.89	25	
1,1,2-Trichloroethane	9.000	0.50	10	0	90.0	65	135	9.200	2.20	25	
1,1-Dichloroethane	9.280	0.50	10	0	92.8	65	135	9.480	2.13	25	
1,1-Dichloroethene	9.190	0.50	10	0	91.9	65	135	9.440	2.68	25	
1,2,4-Trichlorobenzene	9.170	2.0	10	0	91.7	65	135	9.150	0.218	25	
1,2,4-Trimethylbenzene	9.860	0.50	10	0	98.6	65	135	9.850	0.101	25	
1,2-Dibromoethane	9.010	0.50	10	0	90.1	65	135	9.310	3.28	25	

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Mactec

Work Order: 07040216

Project: South Mesa/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCSD-R86084	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 86084						
Client ID:	Batch ID: R86084	TestNo: TO15		Analysis Date: 4/12/2007	SeqNo: 1018899						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichlorobenzene	9.090	0.50	10	0	90.9	65	135	9.100	0.110	25	
1,2-Dichloroethane	8.440	0.50	10	0	84.4	65	135	8.630	2.23	25	
1,2-Dichloropropane	9.350	0.50	10	0	93.5	65	135	9.610	2.74	25	
1,3,5-Trimethylbenzene	9.450	0.50	10	0	94.5	65	135	9.450	0	25	
1,3-Butadiene	8.570	0.50	10	0	85.7	65	135	8.790	2.53	25	
1,3-Dichlorobenzene	9.200	0.50	10	0	92.0	65	135	9.170	0.327	25	
1,4-Dichlorobenzene	9.030	0.50	10	0	90.3	65	135	9.050	0.221	25	
2,2,4-Trimethylpentane	9.490	0.50	10	0	94.9	65	135	9.660	1.78	25	
2-Butanone (MEK)	9.850	1.0	10	0	98.5	65	135	9.680	1.74	25	
2-Hexanone	9.500	1.0	10	0	95.0	65	135	8.360	12.8	25	
2-Propanol	9.200	2.0	10	0	92.0	65	135	9.180	0.218	25	
4-Ethyltoluene	10.00	0.50	10	0	100	65	135	9.960	0.401	25	
4-Methyl-2-pentanone	8.980	1.0	10	0	89.8	65	135	8.690	3.28	25	
Acetone	8.360	5.0	10	0	83.6	65	135	8.420	0.715	25	
Allyl chloride	9.950	0.50	10	0	99.5	65	135	10.22	2.68	25	
Benzene	9.780	0.50	10	0	97.8	65	135	9.950	1.72	25	
Benzyl chloride	9.200	2.0	10	0	92.0	65	135	8.960	2.64	25	
Bromodichloromethane	8.640	0.50	10	0	86.4	65	135	8.850	2.40	25	
Bromoethene(Vinyl Bromide)	8.860	0.50	10	0	88.6	65	135	9.090	2.56	25	
Bromoform	8.450	0.50	10	0	84.5	65	135	8.580	1.53	25	
Bromomethane	9.020	0.50	10	0	90.2	65	135	9.200	1.98	25	
Carbon disulfide	9.190	0.50	10	0	91.9	65	135	9.360	1.83	25	
Carbon tetrachloride	8.470	0.50	10	0	84.7	65	135	8.610	1.64	25	
Chlorobenzene	9.300	0.50	10	0	93.0	65	135	9.410	1.18	25	
Chloroethane	8.840	0.50	10	0	88.4	65	135	9.060	2.46	25	
Chloroform	8.900	0.50	10	0	89.0	65	135	9.080	2.00	25	
Chloromethane	8.770	0.50	10	0	87.7	65	135	8.980	2.37	25	
cis-1,2-Dichloroethene	9.790	0.50	10	0	97.9	65	135	10.07	2.82	25	
cis-1,3-Dichloropropene	9.660	0.50	10	0	96.6	65	135	9.830	1.74	25	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits



Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT:

Mactec

Work Order:

07040216

Project:

South Mesa/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCSD-R86084	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 86084						
Client ID:	Batch ID: R86084	TestNo: TO15		Analysis Date: 4/12/2007	SeqNo: 1018899						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyclohexane	9.850	0.50	10	0	98.5	65	135	10.11	2.61	25	
Dibromochloromethane	8.540	0.50	10	0	85.4	65	135	8.740	2.31	25	
Dichlorodifluoromethane(F-12)	8.610	0.50	10	0	86.1	65	135	8.700	1.04	25	
Dichlorotetrafluoroethane(F-114)	9.330	0.50	10	0	93.3	65	135	9.480	1.59	25	
Ethyl Acetate	9.190	0.50	10	0	91.9	65	135	9.270	0.867	25	
Ethylbenzene	9.830	0.50	10	0	98.3	65	135	10.00	1.71	25	
Heptane	8.590	0.50	10	0	85.9	65	135	8.820	2.64	25	
Hexachlorobutadiene	8.210	1.0	10	0	82.1	65	135	8.360	1.81	25	
Hexane	10.14	0.50	10	0	101	65	135	10.44	2.92	25	
m&p-Xylene	18.80	1.0	20	0	94.0	65	135	18.94	0.742	25	
Methyl tert-butyl ether	9.290	1.0	10	0	92.9	65	135	9.330	0.430	25	
Methylene chloride	8.890	0.50	10	0	88.9	65	135	9.180	3.21	25	
o-Xylene	9.040	0.50	10	0	90.4	65	135	9.180	1.54	25	
Propene (Propylene)	9.310	0.50	10	0	93.1	65	135	9.320	0.107	25	
Styrene	9.850	0.50	10	0	98.5	65	135	9.960	1.11	25	
Tetrachloroethene	9.150	0.50	10	0	91.5	65	135	9.380	2.48	25	
Tetrahydrofuran	10.38	2.0	10	0	104	65	135	10.57	1.81	25	
Toluene	9.630	0.50	10	0	96.3	65	135	9.870	2.46	25	
trans-1,2-Dichloroethene	9.710	0.50	10	0	97.1	65	135	9.850	1.43	25	
trans-1,3-Dichloropropene	9.260	0.50	10	0	92.6	65	135	9.480	2.35	25	
Trichloroethene	9.460	0.50	10	0	94.6	65	135	9.690	2.40	25	
Trichlorofluoromethane(F-11)	8.310	0.50	10	0	83.1	65	135	8.480	2.03	25	
Trichlorotrifluoroethane(F-113)	9.360	0.50	10	0	93.6	65	135	9.630	2.84	25	
Vinyl acetate	9.610	0.50	10	0	96.1	65	135	9.720	1.14	25	
Vinyl chloride	9.290	0.50	10	0	92.9	65	135	9.540	2.66	25	
Surr: 4-Bromofluorobenzene	9.630	0.50	10	0	96.3	70	130	9.640	0	0	

Qualifiers: E Value above quantitation range
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Aerotech Environmental Laboratories Sample Receipt Checklist

Project Checked By:

Laboratory Number: <u>07-04-0216</u>	Checklist completed by: <u>RF</u> <u>4/5/07</u>
Client Name: <u>Macle</u>	Signature/Date: <u>RF</u> <u>4/5/07</u>
Matrix: <u>Air</u>	Carrier Name: <u>M. Hammer</u> Date/Time Rec'd: <u>4/5/07 1215</u> By: <u>RF</u>
Temperature of Samples? <u>Amb</u> °C	Circle one: Blue Ice <input type="checkbox"/> Wet Ice <input type="checkbox"/> <u>Not Present</u> <input checked="" type="checkbox"/>

Client or PM made aware temp. out of range? Yes ☐ No ☐Shipping container/cooler in good condition? ☒Custody seals intact on shipping container/cooler? ☒Custody seals intact on sample containers? ☒Chain of Custody present and relinquished/received properly? ☒Chain of Custody agrees with sample labels? ☒Samples in proper containers/bottles? ☒Sample containers intact? ☒All samples received within holding time? ☒Is there sufficient sample volume to perform the tests? ☒40mL vials for volatiles & SOC's received with zero headspace? ☒Total number of bottles received: 3IH sample media: 1 L canisterIf applicable, how many sample bottles were shipped from AEL-Tucson? N/A

Soil Containers:

Brass Sleeve ☐Glass Jar ☐Methanol ☐Plastic Bag ☐Encore Samplers ☐Sterile Plastic ☐

**See Comments about Chlorine and pH

Number of containers received by preservative and by sample number: (If more than 15 samples are rec'd, please continue on separate sheet(s)).

Preservative	Simple***	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A-General	<u>3</u>															
B-HNO3																
C-H2SO4																
D-HCl																
E-Na2S2O3																
F-NaOH																
G-Sulfide																
H-Na Sulfite																
I-MCAA																
J-Methanol																
K-HAA																
L-Other																

Water-pH acceptable upon receipt?

Yes ☐No ☐N/A ☒

Preservative & pH	pH of samples upon receipt	If pH requires adjustment, list sample number, and reagent I.D. number
Metals <2		
Nutrients <2		
Total Phenols <2		
1664 <2		
Cyanide >12		
Sulfide >9		

*Any No response must be detailed in the comments section below. Contact the PM immediately to determine how to proceed. Refer to SOP 11-001. Continue on back if additional space is needed.

**The holding time for pH and Total Residual Chlorine analysis is immediate. For the most accurate result, the pH and Total Residual Chlorine should be taken in the field within 15 minutes of sampling.

***The Simple box is only to be used when there is one bottle per preservative in equal sample sets.

Comments:

Corrective Action:



a division of Aerotech Laboratories, Inc.

[{] Main Lab - 4645 E. Cotton Center Blvd., Building 3, Suite 189, Phoenix, AZ 85040 602.437.3340 • FAX 623.445.6192

[] North Phoenix - 1501 W. Knudsen, Phoenix, AZ 85027 623.780.4800 - FAX 623.445.6216

[] Tucson - 4455 S. Park Ave, Suite 110, Tucson, AZ 85714 520.807.3801 - FAX 520.807.3803

www.aerovirolabs.com or call toll-free 866.772.5227

Lab Number:

87-04-0216

Customer Number:		Page <u>1</u> of <u>1</u>
Customer: <u>MACTEC, INC</u>		Sampler: <u>MARK HAMMER</u>
Address: <u>3630 E WILDER AVE</u>		Project Name: <u>SOUTH MESA WARE</u>
City, State, Zip: <u>PHX, AZ 85040</u>		Project Number: <u>4972-06-2050, 4.5</u>
Contact: <u>Jim Clarke</u>		P.O. Number:
Phone: <u>602 437-0250</u>	Fax: <u>602 437-3675</u>	Fax Results: <u>N</u>
E-Mail Address: <u>JIMCLARKE@MACTEC.COM</u>		E-Mail Results: <u>N</u>

Sample Receipt	Turn Around Request
Temperature <u>Amb</u> °C Custody Seals: Yes <u>No</u> <u>X</u> Custody Seals Intact: Yes <u>No</u> <u>11/19</u> Total # of Containers: <u>3</u>	<u>24</u> Hours _____ 48 Hours _____ <u>72</u> Hours _____ <u>5</u> working Day _____ <u>X</u> Standard 10 Working Days _____ Subject to scheduling and availability (surcharges apply)

Sample Information

[illegible]

Instructions / Special Requirements:

Received By:

Samples Relinquished By:

Date: _____ Time: _____

4/15/17	1215	Mark Hammer		Received by
---------	------	-------------	---	-------------

An addition subject to the condition that the subject shall be used for the purpose of the subject.

Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Tuesday, May 22, 2007

Jim Clarke
Mactec
3630 East Wier Avenue
Phoenix, AZ 85040

TEL: (602) 437-0250

FAX (602) 437-3675

RE: S. Mesa/4972-06-2050.4.5

Dear Jim Clarke:

Order No.: 07050260

Aerotech Environmental Laboratories received 3 sample(s) on 5/8/2007 for the analyses presented in the following report.

This report includes the following information:

- Case Narrative.
- Analytical Report: includes test results, report limit (Limit), any applicable data qualifier (Qual), units, dilution factor (DF), and date analyzed.
- QC Summary Report.

This communication is intended only for the individual or entity to whom it is directed. It may contain information that is privileged, confidential, or otherwise exempt from disclosure under applicable law. Dissemination, distribution, or copying of this communication by anyone other than the intended recipient, or a duly designated employee or agent of such recipient, is prohibited. If you have received this communication in error, please notify us immediately and destroy this message and all attachments thereto. If you have any questions regarding these test results, please do not hesitate to call.

Sincerely,



Tim Trestrail
Project Manager

Aerotech Environmental Laboratories

Date: 22-May-07

CLIENT: Mactec
Project: S. Mesa/4972-06-2050.4.5
Lab Order: 07050260

CASE NARRATIVE

Analyses included in this report were performed by Aerotech Environmental Laboratories (AEL), 4645 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ.

AEL is licensed through the State of Arizona (License No. AZ0610), and holds NELAC accreditation (OR100001) through the State of Oregon for the analytical techniques noted on the scope of accreditation.

AEL is also accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation.

Samples were analyzed using methods outlined in references such as:

- Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998.
- 40 CFR, Part 136, July 2006. Appendix A to Part 136 - Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater.
- Methods for the Chemical Analysis of Water and Wastes, EPA/600/4-79-020, Revised March 1983.
- Methods for the Determination of Organic Compounds in Drinking Water: Supplement III, August 1995, EPA/600/R-95/131.
- Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA, 3rd Edition 1986, and Updates.
- Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, EPA, Second Edition, 1999.
- NIOSH Manual of Analytical Methods, Fourth Edition, 1994.

Analytical Comments:

All method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Data Qualifiers:

Listed below are the data qualifiers used in your analytical report to explain any analytical or quality control issues. You will find them noted in your report under the column header "QUAL". Any quality control deficiencies that cannot be adequately described by these qualifiers will be addressed in the analytical comments section of this case narrative.

D2 Sample required dilution due to high concentration of target analyte.

Aerotech Environmental Laboratories

Date: 22-May-07

CLIENT: Mactec
Lab Order: 07050260
Project: S. Mesa/4972-06-2050.4.5
Lab ID: 07050260-01A

Client Sample ID: Eff
Tag Number: 1246
Collection Date: 5/8/2007 10:17:00 AM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
1,1,1-Trichloroethane	< 0.50	0.50	< 2.8	2.8	1	5/17/2007	
1,1,2,2-Tetrachloroethane	< 0.50	0.50	< 3.5	3.5	1	5/17/2007	
1,1,2-Trichloroethane	< 0.50	0.50	< 2.8	2.8	1	5/17/2007	
1,1-Dichloroethane	< 0.50	0.50	< 2.1	2.1	1	5/17/2007	
1,1-Dichloroethene	< 0.50	0.50	< 2.0	2.0	1	5/17/2007	
1,2,4-Trichlorobenzene	< 2.0	2.0	< 15	15	1	5/17/2007	
1,2,4-Trimethylbenzene	0.58	0.50	2.9	2.5	1	5/17/2007	
1,2-Dibromoethane	< 0.50	0.50	< 3.9	3.9	1	5/17/2007	
1,2-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1	5/17/2007	
1,2-Dichloroethane	< 0.50	0.50	< 2.1	2.1	1	5/17/2007	
1,2-Dichloropropane	< 0.50	0.50	< 2.4	2.4	1	5/17/2007	
1,3,5-Trimethylbenzene	< 0.50	0.50	< 2.5	2.5	1	5/17/2007	
1,3-Butadiene	< 0.50	0.50	< 1.1	1.1	1	5/17/2007	
1,3-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1	5/17/2007	
1,4-Dichlorobenzene	< 0.50	0.50	< 3.1	3.1	1	5/17/2007	
2,2,4-Trimethylpentane	< 0.50	0.50	< 2.4	2.4	1	5/17/2007	
2-Butanone (MEK)	< 1.0	1.0	< 3.0	3.0	1	5/17/2007	
2-Hexanone	< 1.0	1.0	< 4.2	4.2	1	5/17/2007	
2-Propanol	4.8	2.0	12	5.0	1	5/17/2007	
4-Ethyltoluene	< 0.50	0.50	< 2.2	2.2	1	5/17/2007	
4-Methyl-2-pentanone	< 1.0	1.0	< 4.2	4.2	1	5/17/2007	
Acetone	< 5.0	5.0	< 12	12	1	5/17/2007	
Allyl chloride	< 0.50	0.50	< 0.80	0.80	1	5/17/2007	
Benzene	< 0.50	0.50	< 1.6	1.6	1	5/17/2007	
Benzyl chloride	< 2.0	2.0	< 11	11	1	5/17/2007	
Bromodichloromethane	< 0.50	0.50	< 3.4	3.4	1	5/17/2007	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Aerotech Environmental Laboratories

Date: 22-May-07

CLIENT: Mactec
Lab Order: 07050260
Project: S. Mesa/4972-06-2050.4.5
Lab ID: 07050260-01A

Client Sample ID: Eff
Tag Number: 1246
Collection Date: 5/8/2007 10:17:00 AM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
Bromoethene(Vinyl Bromide)	< 0.50	0.50	< 1.1	1.1	1	5/17/2007	
Bromoform	< 0.50	0.50	< 5.2	5.2	1	5/17/2007	
Bromomethane	< 0.50	0.50	< 2.0	2.0	1	5/17/2007	
Carbon disulfide	< 0.50	0.50	< 1.6	1.6	1	5/17/2007	
Carbon tetrachloride	< 0.50	0.50	< 3.2	3.2	1	5/17/2007	
Chlorobenzene	< 0.50	0.50	< 2.4	2.4	1	5/17/2007	
Chloroethane	< 0.50	0.50	< 1.3	1.3	1	5/17/2007	
Chloroform	< 0.50	0.50	< 2.5	2.5	1	5/17/2007	
Chloromethane	0.59	0.50	1.2	1.0	1	5/17/2007	
cis-1,2-Dichloroethene	< 0.50	0.50	< 2.0	2.0	1	5/17/2007	
cis-1,3-Dichloropropene	< 0.50	0.50	< 2.3	2.3	1	5/17/2007	
Cyclohexane	< 0.50	0.50	< 1.7	1.7	1	5/17/2007	
Dibromochloromethane	< 0.50	0.50	< 4.3	4.3	1	5/17/2007	
Dichlorodifluoromethane(F-12)	0.61	0.50	3.1	2.5	1	5/17/2007	
Dichlorotetrafluoroethane(F-114)	< 0.50	0.50	< 3.6	3.6	1	5/17/2007	
Ethyl Acetate	< 0.50	0.50	< 1.8	1.8	1	5/17/2007	
Ethylbenzene	< 0.50	0.50	< 2.2	2.2	1	5/17/2007	
Heptane	< 0.50	0.50	< 2.1	2.1	1	5/17/2007	
Hexachlorobutadiene	< 1.0	1.0	< 11	11	1	5/17/2007	
Hexane	< 0.50	0.50	< 1.8	1.8	1	5/17/2007	
m&p-Xylene	< 1.0	1.0	< 4.4	4.4	1	5/17/2007	
Methyl tert-butyl ether	< 1.0	1.0	< 3.7	3.7	1	5/17/2007	
Methylene chloride	< 0.50	0.50	< 1.8	1.8	1	5/17/2007	
o-Xylene	< 0.50	0.50	< 2.2	2.2	1	5/17/2007	
Propene (Propylene)	< 0.50	0.50	< 0.88	0.88	1	5/17/2007	
Styrene	< 0.50	0.50	< 2.2	2.2	1	5/17/2007	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

Aerotech Environmental Laboratories

Date: 22-May-07

CLIENT: Mactec
Lab Order: 07050260
Project: S. Mesa/4972-06-2050.4.5
Lab ID: 07050260-01A

Client Sample ID: Eff
Tag Number: 1246
Collection Date: 5/8/2007 10:17:00 AM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15					Analyst: J.J.
Tetrachloroethene	< 0.50	0.50	< 3.4	3.4	1	5/17/2007	
Tetrahydrofuran	< 2.0	2.0	< 6.0	6.0	1	5/17/2007	
Toluene	0.76	0.50	2.9	1.9	1	5/17/2007	
trans-1,2-Dichloroethene	< 0.50	0.50	< 2.0	2.0	1	5/17/2007	
trans-1,3-Dichloropropene	< 0.50	0.50	< 2.3	2.3	1	5/17/2007	
Trichloroethene	< 0.50	0.50	< 2.8	2.8	1	5/17/2007	
Trichlorofluoromethane(F-11)	< 0.50	0.50	< 2.8	2.8	1	5/17/2007	
Trichlorotrifluoroethane(F-113)	< 0.50	0.50	< 3.9	3.9	1	5/17/2007	
Vinyl acetate	< 0.50	0.50	< 1.8	1.8	1	5/17/2007	
Vinyl chloride	< 0.50	0.50	< 1.3	1.3	1	5/17/2007	
Surr: 4-Bromofluorobenzene	98.8 %REC	70-130	-	-	1	5/17/2007	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Aerotech Environmental Laboratories

Date: 22-May-07

CLIENT:	Mactec	Client Sample ID:	Int
Lab Order:	07050260	Tag Number:	1276
Project:	S. Mesa/4972-06-2050.4.5	Collection Date:	5/8/2007 10:25:00 AM
Lab ID:	07050260-02A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
1,1,1-Trichloroethane	< 2.0	2.0	< 11	11	4	5/17/2007	
1,1,2,2-Tetrachloroethane	< 2.0	2.0	< 14	14	4	5/17/2007	
1,1,2-Trichloroethane	< 2.0	2.0	< 11	11	4	5/17/2007	
1,1-Dichloroethane	< 2.0	2.0	< 8.2	8.2	4	5/17/2007	
1,1-Dichloroethene	< 2.0	2.0	< 8.1	8.1	4	5/17/2007	
1,2,4-Trichlorobenzene	< 8.0	8.0	< 60	60	4	5/17/2007	
1,2,4-Trimethylbenzene	< 2.0	2.0	< 10	10	4	5/17/2007	
1,2-Dibromoethane	< 2.0	2.0	< 16	16	4	5/17/2007	
1,2-Dichlorobenzene	< 2.0	2.0	< 12	12	4	5/17/2007	
1,2-Dichloroethane	< 2.0	2.0	< 8.2	8.2	4	5/17/2007	
1,2-Dichloropropane	< 2.0	2.0	< 9.4	9.4	4	5/17/2007	
1,3,5-Trimethylbenzene	< 2.0	2.0	< 10	10	4	5/17/2007	
1,3-Butadiene	< 2.0	2.0	< 4.5	4.5	4	5/17/2007	
1,3-Dichlorobenzene	< 2.0	2.0	< 12	12	4	5/17/2007	
1,4-Dichlorobenzene	< 2.0	2.0	< 12	12	4	5/17/2007	
2,2,4-Trimethylpentane	6.4	2.0	30	9.5	4	5/17/2007	
2-Butanone (MEK)	< 4.0	4.0	< 12	12	4	5/17/2007	
2-Hexanone	< 4.0	4.0	< 17	17	4	5/17/2007	
2-Propanol	< 8.0	8.0	< 20	20	4	5/17/2007	
4-Ethyltoluene	< 2.0	2.0	< 8.8	8.8	4	5/17/2007	
4-Methyl-2-pentanone	< 4.0	4.0	< 17	17	4	5/17/2007	
Acetone	< 20	20	< 48	48	4	5/17/2007	
Allyl chloride	< 2.0	2.0	< 3.2	3.2	4	5/17/2007	
Benzene	< 2.0	2.0	< 6.5	6.5	4	5/17/2007	
Benzyl chloride	< 8.0	8.0	< 42	42	4	5/17/2007	
Bromodichloromethane	< 2.0	2.0	< 14	14	4	5/17/2007	

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	* - Value exceeds Maximum Contaminant Level	

Aerotech Environmental Laboratories

Date: 22-May-07

CLIENT: Mactec
Lab Order: 07050260
Project: S. Mesa/4972-06-2050.4.5
Lab ID: 07050260-02A

Client Sample ID: Int
Tag Number: 1276
Collection Date: 5/8/2007 10:25:00 AM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J				
Bromoethene(Vinyl Bromide)	< 2.0	2.0	< 4.4	4.4	4	5/17/2007	
Bromoform	< 2.0	2.0	< 21	21	4	5/17/2007	
Bromomethane	< 2.0	2.0	< 7.9	7.9	4	5/17/2007	
Carbon disulfide	< 2.0	2.0	< 6.3	6.3	4	5/17/2007	
Carbon tetrachloride	< 2.0	2.0	< 13	13	4	5/17/2007	
Chlorobenzene	< 2.0	2.0	< 9.4	9.4	4	5/17/2007	
Chloroethane	< 2.0	2.0	< 5.4	5.4	4	5/17/2007	
Chloroform	< 2.0	2.0	< 9.9	9.9	4	5/17/2007	
Chloromethane	< 2.0	2.0	< 4.2	4.2	4	5/17/2007	
cis-1,2-Dichloroethene	< 2.0	2.0	< 8.0	8.0	4	5/17/2007	
cis-1,3-Dichloropropene	< 2.0	2.0	< 9.2	9.2	4	5/17/2007	
Cyclohexane	< 2.0	2.0	< 7.0	7.0	4	5/17/2007	
Dibromochloromethane	< 2.0	2.0	< 17	17	4	5/17/2007	
Dichlorodifluoromethane(F-12)	< 2.0	2.0	< 10	10	4	5/17/2007	
Dichlorotetrafluoroethane(F-114)	< 2.0	2.0	< 14	14	4	5/17/2007	
Ethyl Acetate	< 2.0	2.0	< 7.3	7.3	4	5/17/2007	
Ethylbenzene	< 2.0	2.0	< 8.8	8.8	4	5/17/2007	
Heptane	< 2.0	2.0	< 8.3	8.3	4	5/17/2007	
Hexachlorobutadiene	< 4.0	4.0	< 43	43	4	5/17/2007	
Hexane	< 2.0	2.0	< 7.1	7.1	4	5/17/2007	
m&p-Xylene	< 4.0	4.0	< 18	18	4	5/17/2007	
Methyl tert-butyl ether	< 4.0	4.0	< 15	15	4	5/17/2007	
Methylene chloride	< 2.0	2.0	< 7.1	7.1	4	5/17/2007	
o-Xylene	< 2.0	2.0	< 8.8	8.8	4	5/17/2007	
Propene (Propylene)	< 2.0	2.0	< 3.5	3.5	4	5/17/2007	
Styrene	< 2.0	2.0	< 8.6	8.6	4	5/17/2007	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Aerotech Environmental Laboratories**Date:** 22-May-07

CLIENT:	Mactec	Client Sample ID:	Int
Lab Order:	07050260	Tag Number:	1276
Project:	S. Mesa/4972-06-2050.4.5	Collection Date:	5/8/2007 10:25:00 AM
Lab ID:	07050260-02A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
Tetrachloroethene	130	2.0	900	14	D2	4	5/17/2007
Tetrahydrofuran	< 8.0	8.0	< 24	24		4	5/17/2007
Toluene	< 2.0	2.0	< 7.7	7.7		4	5/17/2007
trans-1,2-Dichloroethene	< 2.0	2.0	< 8.0	8.0		4	5/17/2007
trans-1,3-Dichloropropene	< 2.0	2.0	< 9.2	9.2		4	5/17/2007
Trichloroethene	< 2.0	2.0	< 11	11		4	5/17/2007
Trichlorofluoromethane(F-11)	< 2.0	2.0	< 11	11		4	5/17/2007
Trichlorotrifluoroethane(F-113)	< 2.0	2.0	< 16	16		4	5/17/2007
Vinyl acetate	< 2.0	2.0	< 7.1	7.1		4	5/17/2007
Vinyl chloride	< 2.0	2.0	< 5.2	5.2		4	5/17/2007
Surr: 4-Bromofluorobenzene	93.5 %REC	70-130	-	-		4	5/17/2007

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Aerotech Environmental Laboratories

Date: 22-May-07

CLIENT: Mactec
Lab Order: 07050260
Project: S. Mesa/4972-06-2050.4.5
Lab ID: 07050260-03A

Client Sample ID: Inf
Tag Number: 1435
Collection Date: 5/8/2007 10:40:00 AM
Matrix: AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
1,1,1-Trichloroethane	< 2.0	2.0	< 11	11	4	5/17/2007	
1,1,2,2-Tetrachloroethane	< 2.0	2.0	< 14	14	4	5/17/2007	
1,1,2-Trichloroethane	< 2.0	2.0	< 11	11	4	5/17/2007	
1,1-Dichloroethane	2.4	2.0	9.9	8.2	4	5/17/2007	
1,1-Dichloroethene	2.1	2.0	8.5	8.1	4	5/17/2007	
1,2,4-Trichlorobenzene	< 8.0	8.0	< 60	60	4	5/17/2007	
1,2,4-Trimethylbenzene	< 2.0	2.0	< 10	10	4	5/17/2007	
1,2-Dibromoethane	< 2.0	2.0	< 16	16	4	5/17/2007	
1,2-Dichlorobenzene	< 2.0	2.0	< 12	12	4	5/17/2007	
1,2-Dichloroethane	< 2.0	2.0	< 8.2	8.2	4	5/17/2007	
1,2-Dichloropropane	< 2.0	2.0	< 9.4	9.4	4	5/17/2007	
1,3,5-Trimethylbenzene	< 2.0	2.0	< 10	10	4	5/17/2007	
1,3-Butadiene	< 2.0	2.0	< 4.5	4.5	4	5/17/2007	
1,3-Dichlorobenzene	< 2.0	2.0	< 12	12	4	5/17/2007	
1,4-Dichlorobenzene	< 2.0	2.0	< 12	12	4	5/17/2007	
2,2,4-Trimethylpentane	< 2.0	2.0	< 9.5	9.5	4	5/17/2007	
2-Butanone (MEK)	< 4.0	4.0	< 12	12	4	5/17/2007	
2-Hexanone	< 4.0	4.0	< 17	17	4	5/17/2007	
2-Propanol	< 8.0	8.0	< 20	20	4	5/17/2007	
4-Ethyltoluene	< 2.0	2.0	< 8.8	8.8	4	5/17/2007	
4-Methyl-2-pentanone	< 4.0	4.0	< 17	17	4	5/17/2007	
Acetone	< 20	20	< 48	48	4	5/17/2007	
Allyl chloride	< 2.0	2.0	< 3.2	3.2	4	5/17/2007	
Benzene	< 2.0	2.0	< 6.5	6.5	4	5/17/2007	
Benzyl chloride	< 8.0	8.0	< 42	42	4	5/17/2007	
Bromodichloromethane	< 2.0	2.0	< 14	14	4	5/17/2007	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Aerotech Environmental Laboratories

Date: 22-May-07

CLIENT:	Mactec	Client Sample ID:	Inf
Lab Order:	07050260	Tag Number:	1435
Project:	S. Mesa/4972-06-2050.4.5	Collection Date:	5/8/2007 10:40:00 AM
Lab ID:	07050260-03A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
Bromoethene(Vinyl Bromide)	< 2.0	2.0	< 4.4	4.4	4	5/17/2007	
Bromoform	< 2.0	2.0	< 21	21	4	5/17/2007	
Bromomethane	< 2.0	2.0	< 7.9	7.9	4	5/17/2007	
Carbon disulfide	< 2.0	2.0	< 6.3	6.3	4	5/17/2007	
Carbon tetrachloride	< 2.0	2.0	< 13	13	4	5/17/2007	
Chlorobenzene	< 2.0	2.0	< 9.4	9.4	4	5/17/2007	
Chloroethane	< 2.0	2.0	< 5.4	5.4	4	5/17/2007	
Chloroform	< 2.0	2.0	< 9.9	9.9	4	5/17/2007	
Chloromethane	< 2.0	2.0	< 4.2	4.2	4	5/17/2007	
cis-1,2-Dichloroethene	< 2.0	2.0	< 8.0	8.0	4	5/17/2007	
cis-1,3-Dichloropropene	< 2.0	2.0	< 9.2	9.2	4	5/17/2007	
Cyclohexane	< 2.0	2.0	< 7.0	7.0	4	5/17/2007	
Dibromochloromethane	< 2.0	2.0	< 17	17	4	5/17/2007	
Dichlorodifluoromethane(F-12)	< 2.0	2.0	< 10	10	4	5/17/2007	
Dichlorotetrafluoroethane(F-114)	< 2.0	2.0	< 14	14	4	5/17/2007	
Ethyl Acetate	< 2.0	2.0	< 7.3	7.3	4	5/17/2007	
Ethylbenzene	< 2.0	2.0	< 8.8	8.8	4	5/17/2007	
Heptane	< 2.0	2.0	< 8.3	8.3	4	5/17/2007	
Hexachlorobutadiene	< 4.0	4.0	< 43	43	4	5/17/2007	
Hexane	< 2.0	2.0	< 7.1	7.1	4	5/17/2007	
m&p-Xylene	< 4.0	4.0	< 18	18	4	5/17/2007	
Methyl tert-butyl ether	< 4.0	4.0	< 15	15	4	5/17/2007	
Methylene chloride	< 2.0	2.0	< 7.1	7.1	4	5/17/2007	
o-Xylene	< 2.0	2.0	< 8.8	8.8	4	5/17/2007	
Propene (Propylene)	< 2.0	2.0	< 3.5	3.5	4	5/17/2007	
Styrene	< 2.0	2.0	< 8.6	8.6	4	5/17/2007	

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	* - Value exceeds Maximum Contaminant Level	

Aerotech Environmental Laboratories

Date: 22-May-07

CLIENT:	Mactec	Client Sample ID:	Inf
Lab Order:	07050260	Tag Number:	1435
Project:	S. Mesa/4972-06-2050.4.5	Collection Date:	5/8/2007 10:40:00 AM
Lab ID:	07050260-03A	Matrix:	AIR

Analyses	ppbv		µg/m³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR		TO15	Analyst: J.J.				
Tetrachloroethene	110	2.0	760	14	D2	4	5/17/2007
Tetrahydrofuran	< 8.0	8.0	< 24	24		4	5/17/2007
Toluene	< 2.0	2.0	< 7.7	7.7		4	5/17/2007
trans-1,2-Dichloroethene	< 2.0	2.0	< 8.0	8.0		4	5/17/2007
trans-1,3-Dichloropropene	< 2.0	2.0	< 9.2	9.2		4	5/17/2007
Trichloroethene	< 2.0	2.0	< 11	11		4	5/17/2007
Trichlorofluoromethane(F-11)	2.0	2.0	11	11		4	5/17/2007
Trichlorotrifluoroethane(F-113)	< 2.0	2.0	< 16	16		4	5/17/2007
Vinyl acetate	< 2.0	2.0	< 7.1	7.1		4	5/17/2007
Vinyl chloride	< 2.0	2.0	< 5.2	5.2		4	5/17/2007
Surr: 4-Bromofluorobenzene	98.9 %REC	70-130	-	-		4	5/17/2007

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Date: 21-May-07

CLIENT: Mactec
 Work Order: 07050260
 Project: S. Mesa/4972-06-2050.4.5
 ANALYTICAL QC SUMMARY REPORT
 TestCode: TO15

Sample ID: MB-R87257	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 87257						
Client ID:	Batch ID: R87257	TestNo: TO15		Analysis Date: 5/16/2007	SeqNo: 1032055						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	<0.50	0.50									
1,1,2,2-Tetrachloroethane	<0.50	0.50									
1,1,2-Trichloroethane	<0.50	0.50									
1,1-Dichloroethane	<0.50	0.50									
1,1-Dichloroethene	<0.50	0.50									
1,2,4-Trichlorobenzene	<2.0	2.0									
1,2,4-Trimethylbenzene	<0.50	0.50									
1,2-Dibromoethane	<0.50	0.50									
1,2-Dichlorobenzene	<0.50	0.50									
1,2-Dichloroethane	<0.50	0.50									
1,2-Dichloropropane	<0.50	0.50									
1,3,5-Trimethylbenzene	<0.50	0.50									
1,3-Butadiene	<0.50	0.50									
1,3-Dichlorobenzene	<0.50	0.50									
1,4-Dichlorobenzene	<0.50	0.50									
2,2,4-Trimethylpentane	<0.50	0.50									
2-Butanone (MEK)	<1.0	1.0									
2-Hexanone	<1.0	1.0									
2-Propanol	<2.0	2.0									
4-Ethyltoluene	<0.50	0.50									
4-Methyl-2-pentanone	<1.0	1.0									
Acetone	<5.0	5.0									
Allyl chloride	<0.50	0.50									
Benzene	<0.50	0.50									
Benzyl chloride	<2.0	2.0									

Qualifiers: * Value exceeds Maximum Contaminant Level ND Not Detected at the Reporting Limit

Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Date: 21-May-07

CLIENT: Mactec

Work Order: 07050260

Project: S. Mesa/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R87257	Sample Type: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 87257						
Client ID:	Batch ID: R87257	TestNo: TO15		Analysis Date: 5/16/2007	SeqNo: 1032055						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Bromodichloromethane	<0.50	0.50									
Bromoethene(Vinyl Bromide)	<0.50	0.50									
Bromoform	<0.50	0.50									
Bromomethane	<0.50	0.50									
Carbon disulfide	<0.50	0.50									
Carbon tetrachloride	<0.50	0.50									
Chlorobenzene	<0.50	0.50									
Chloroethane	<0.50	0.50									
Chloroform	<0.50	0.50									
Chloromethane	<0.50	0.50									
cis-1,2-Dichloroethene	<0.50	0.50									
dis-1,3-Dichloropropene	<0.50	0.50									
Cyclohexane	<0.50	0.50									
Dibromochloromethane	<0.50	0.50									
Dichlorodifluoromethane(F-12)	<0.50	0.50									
Dichlorotetrafluoroethane(F-114)	<0.50	0.50									
Ethyl Acetate	<0.50	0.50									
Ethylbenzene	<0.50	0.50									
Heptane	<0.50	0.50									
Hexachlorobutadiene	<1.0	1.0									
Hexane	<0.50	0.50									
m&p-Xylene	<1.0	1.0									
Methyl tert-butyl ether	<1.0	1.0									
Methylene chloride	<0.50	0.50									
o-Xylene	<0.50	0.50									

Qualifiers: * Value exceeds Maximum Contaminant Level ND Not Detected at the Reporting Limit

Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Date: 21-May-07

CLIENT: Mactec

Work Order: 07050260

Project: S. Mesa/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: MB-R87257	SampType: MBLK	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 87257						
Client ID:	Batch ID: R87257	TestNo: TO15		Analysis Date: 5/16/2007	SeqNo: 1032055						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Propene (Propylene) <0.50 0.50

Styrene <0.50 0.50

Tetrachloroethene <0.50 0.50

Tetrahydrofuran <2.0 2.0

Toluene <0.50 0.50

trans-1,2-Dichloroethene <0.50 0.50

trans-1,3-Dichloropropene <0.50 0.50

Trichloroethene <0.50 0.50

Trichlorofluoromethane(F-11) <0.50 0.50

Trichlorotrifluoroethane(F-113) <0.50 0.50

Vinyl acetate <0.50 0.50

Vinyl chloride <0.50 0.50

Surr: 4-Bromofluorobenzene 9.840 10 0 98.4 70 130

Sample ID: LCS-R87257	SampleType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 87257						
Client ID:	Batch ID: R87257	TestNo: TO15		Analysis Date: 5/16/2007	SeqNo: 1032056						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane 9.530 0.50 10 0 95.3 65 135

1,1,2,2-Tetrachloroethane 9.050 0.50 10 0 90.5 65 135

1,1,2-Trichloroethane 9.090 0.50 10 0 90.9 65 135

1,1-Dichloroethane 9.540 0.50 10 0 95.4 65 135

1,1-Dichloroethene 9.660 0.50 10 0 96.6 65 135

1,2,4-Trichlorobenzene 8.210 2.0 10 0 82.1 65 135

1,2,4-Trimethylbenzene 9.370 0.50 10 0 93.7 65 135

Qualifiers: * Value exceeds Maximum Contaminant Level

ND Not Detected at the Reporting Limit

Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Date: 21-May-07

CLIENT: Mactec
Work Order: 07050260
Project: S. Mesa/4972-06-2050.4.5
ANALYTICAL QC SUMMARY REPORT
TestCode: TO15

Sample ID: LCS-R87257	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 87257						
Client ID:	Batch ID: R87257	TestNo: TO15		Analysis Date: 5/16/2007	SeqNo: 1032056						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	9.340	0.50	10	0	93.4	65	135				
1,2-Dichlorobenzene	8.880	0.50	10	0	88.8	65	135				
1,2-Dichloroethane	9.490	0.50	10	0	94.9	65	135				
1,2-Dichloropropane	9.120	0.50	10	0	91.2	65	135				
1,3,5-Trimethylbenzene	9.270	0.50	10	0	92.7	65	135				
1,3-Butadiene	8.700	0.50	10	0	87.0	65	135				
1,3-Dichlorobenzene	8.910	0.50	10	0	89.1	65	135				
1,4-Dichlorobenzene	8.780	0.50	10	0	87.8	65	135				
2,2,4-Trimethylpentane	9.190	0.50	10	0	91.9	65	135				
2-Butanone (MEK)	10.02	1.0	10	0	100	65	135				
2-Hexanone	9.760	1.0	10	0	97.6	65	135				
2-Propanol	9.310	2.0	10	0	93.1	65	135				
4-Ethyltoluene	9.320	0.50	10	0	93.2	65	135				
4-Methyl-2-pentanone	9.880	1.0	10	0	98.8	65	135				
Acetone	9.210	5.0	10	0	92.1	65	135				
Allyl chloride	9.410	0.50	10	0	94.1	65	135				
Benzene	9.540	0.50	10	0	95.4	65	135				
Benzyl chloride	9.450	2.0	10	0	94.5	65	135				
Bromodichloromethane	9.170	0.50	10	0	91.7	65	135				
Bromoethene(Vinyl Bromide)	9.890	0.50	10	0	98.9	65	135				
Bromoform	9.120	0.50	10	0	91.2	65	135				
Bromomethane	10.24	0.50	10	0	102	65	135				
Carbon disulfide	9.670	0.50	10	0	96.7	65	135				
Carbon tetrachloride	9.560	0.50	10	0	95.6	65	135				
Chlorobenzene	9.180	0.50	10	0	91.8	65	135				

Qualifiers: * Value exceeds Maximum Contaminant Level ND Not Detected at the Reporting Limit

Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Date: 21-May-07

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

CLIENT: Mactec

Work Order: 07050260

Project: S. Mesa/4972-06-2050.4.5

Sample ID: LCS-R87257	SampType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 87257						
Client ID:	Batch ID: R87257	TestNo: TO15		Analysis Date: 5/16/2007	SeqNo: 1032056						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroethane	10.15	0.50	10	0	102	65	135				
Chloroform	9.530	0.50	10	0	95.3	65	135				
Chloromethane	9.720	0.50	10	0	97.2	65	135				
cis-1,2-Dichloroethene	9.520	0.50	10	0	95.2	65	135				
cis-1,3-Dichloropropene	9.350	0.50	10	0	93.5	65	135				
Cyclohexane	9.600	0.50	10	0	96.0	65	135				
Dibromochloromethane	9.160	0.50	10	0	91.6	65	135				
Dichlorodifluoromethane(F-12)	9.710	0.50	10	0	97.1	65	135				
Dichlorotetrafluoroethane(F-114)	9.630	0.50	10	0	96.3	65	135				
Ethyl Acetate	9.770	0.50	10	0	97.7	65	135				
Ethylbenzene	9.280	0.50	10	0	92.8	65	135				
Heptane	9.330	0.50	10	0	93.3	65	135				
Hexachlorobutadiene	9.360	1.0	10	0	93.6	65	135				
Hexane	9.450	0.50	10	0	94.5	65	135				
m&p-Xylene	18.30	1.0	20	0	91.5	65	135				
Methyl tert-butyl ether	9.310	1.0	10	0	93.1	65	135				
Methylene chloride	9.370	0.50	10	0	93.7	65	135				
o-Xylene	9.270	0.50	10	0	92.7	65	135				
Propene (Propylene)	9.110	0.50	10	0	91.1	65	135				
Styrene	9.270	0.50	10	0	92.7	65	135				
Tetrachloroethene	9.150	0.50	10	0	91.5	65	135				
Tetrahydrofuran	9.420	2.0	10	0	94.2	65	135				
Toluene	9.210	0.50	10	0	92.1	65	135				
trans-1,2-Dichloroethene	9.640	0.50	10	0	96.4	65	135				
trans-1,3-Dichloropropene	9.440	0.50	10	0	94.4	65	135				

Qualifiers: * Value exceeds Maximum Contaminant Level ND Not Detected at the Reporting Limit

Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Date: 21-May-07

CLIENT:

Mactec

Work Order:

07050260

Project:

S. Mesa/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCS-R87257	SampleType: LCS	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 87257						
Client ID:	Batch ID: R87257	TestNo: TO15		Analysis Date: 5/16/2007	SeqNo: 1032056						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichloroethene	9.180	0.50	10	0	91.8	65	135				
Trichlorofluoromethane(F-11)	9.610	0.50	10	0	96.1	65	135				
Trichlorotrifluoroethane(F-113)	9.530	0.50	10	0	95.3	65	135				
Vinyl acetate	9.780	0.50	10	0	97.8	65	135				
Vinyl chloride	8.860	0.50	10	0	88.6	65	135				
Surr: 4-Bromofluorobenzene	10.09	0.50	10	0	101	70	130				

Sample ID: LCSD-R87257	Sample Type: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 87257						
Client ID:	Batch ID: R87257	TestNo: TO15		Analysis Date: 5/16/2007	SeqNo: 1032057						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane	9.600	0.50	10	0	96.0	65	135	9.530	0.732	25	
1,1,2,2-Tetrachloroethane	9.250	0.50	10	0	92.5	65	135	9.050	2.19	25	
1,1,2-Trichloroethane	9.380	0.50	10	0	93.8	65	135	9.090	3.14	25	
1,1-Dichloroethane	9.610	0.50	10	0	96.1	65	135	9.540	0.731	25	
1,1-Dichloroethene	9.600	0.50	10	0	96.0	65	135	9.660	0.623	25	
1,2,4-Trichlorobenzene	8.700	2.0	10	0	87.0	65	135	8.210	5.80	25	
1,2,4-Trimethylbenzene	9.530	0.50	10	0	95.3	65	135	9.370	1.69	25	
1,2-Dibromoethane	9.360	0.50	10	0	93.6	65	135	9.340	0.214	25	
1,2-Dichlorobenzene	9.080	0.50	10	0	90.8	65	135	8.880	2.23	25	
1,2-Dichloroethane	9.730	0.50	10	0	97.3	65	135	9.490	2.50	25	
1,2-Dichloropropane	9.410	0.50	10	0	94.1	65	135	9.120	3.13	25	
1,3,5-Trimethylbenzene	9.380	0.50	10	0	93.8	65	135	9.270	1.18	25	
1,3-Butadiene	8.730	0.50	10	0	87.3	65	135	8.700	0.344	25	
1,3-Dichlorobenzene	9.220	0.50	10	0	92.2	65	135	8.910	3.42	25	

Qualifiers: * Value exceeds Maximum Contaminant Level

ND Not Detected at the Reporting Limit

Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Date: 21-May-07

ANALYTICAL QC SUMMARY REPORT

CLIENT: Mactec
Work Order: 07050260

Project: S. Mesa/4972-06-2050.4.5

TestCode: TO15

Sample ID: LCSD-R87257	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 87257						
Client ID:	Batch ID: R87257	TestNo: TO15		Analysis Date: 5/16/2007	SeqNo: 1032057						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	9.140	0.50	10	0	91.4	65	135	8.780	4.02	25	
2,2,4-Trimethylpentane	9.350	0.50	10	0	93.5	65	135	9.190	1.73	25	
2-Butanone (MEK)	9.990	1.0	10	0	99.9	65	135	10.02	0.300	25	
2-Hexanone	10.44	1.0	10	0	104	65	135	9.760	6.73	25	
2-Propanol	10.02	2.0	10	0	100	65	135	9.310	7.35	25	
4-Ethyltoluene	9.510	0.50	10	0	95.1	65	135	9.320	2.02	25	
4-Methyl-2-pentanone	10.28	1.0	10	0	103	65	135	9.880	3.97	25	
Acetone	10.00	5.0	10	0	100	65	135	9.210	8.22	25	
Allyl chloride	9.500	0.50	10	0	95.0	65	135	9.410	0.952	25	
Benzene	9.700	0.50	10	0	97.0	65	135	9.540	1.66	25	
Benzyl chloride	10.07	2.0	10	0	101	65	135	9.450	6.35	25	
Bromodichloromethane	9.420	0.50	10	0	94.2	65	135	9.170	2.69	25	
Bromoethene(Vinyl Bromide)	9.990	0.50	10	0	99.9	65	135	9.890	1.01	25	
Bromoform	9.370	0.50	10	0	93.7	65	135	9.120	2.70	25	
Bromomethane	10.04	0.50	10	0	100	65	135	10.24	1.97	25	
Carbon disulfide	9.730	0.50	10	0	97.3	65	135	9.670	0.619	25	
Carbon tetrachloride	9.610	0.50	10	0	96.1	65	135	9.560	0.522	25	
Chlorobenzene	9.380	0.50	10	0	93.8	65	135	9.180	2.16	25	
Chloroethane	10.26	0.50	10	0	103	65	135	10.15	1.08	25	
Chloroform	9.570	0.50	10	0	95.7	65	135	9.530	0.419	25	
Chloromethane	9.810	0.50	10	0	98.1	65	135	9.720	0.922	25	
cis-1,2-Dichloroethene	9.690	0.50	10	0	96.9	65	135	9.520	1.77	25	
cis-1,3-Dichloropropene	9.730	0.50	10	0	97.3	65	135	9.350	3.98	25	
Cyclohexane	9.710	0.50	10	0	97.1	65	135	9.600	1.14	25	
Dibromochloromethane	9.340	0.50	10	0	93.4	65	135	9.160	1.95	25	

Qualifiers: * Value exceeds Maximum Contaminant Level

ND Not Detected at the Reporting Limit

Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Date: 21-May-07

CLIENT:

Mactec

Work Order:

07050260

Project:

S. Mesa/4972-06-2050.4.5

ANALYTICAL QC SUMMARY REPORT

TestCode: TO15

Sample ID: LCSD-R87257	SampType: LCSD	TestCode: TO15	Units: ppbv	Prep Date:	RunNo: 87257					
Client ID:	Batch ID: R87257	TestNo: TO15		Analysis Date: 5/16/2007	SeqNo: 1032057					
Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane(F-12)	9.740	0.50	10	97.4	65	135	9.710	0.308	25	
Dichlorotetrafluoroethane(F-114)	9.750	0.50	10	97.5	65	135	9.630	1.24	25	
Ethyl Acetate	10.03	0.50	10	100	65	135	9.770	2.63	25	
Ethylbenzene	9.450	0.50	10	94.5	65	135	9.280	1.82	25	
Heptane	9.380	0.50	10	93.8	65	135	9.330	0.534	25	
Hexachlorobutadiene	9.590	1.0	10	95.9	65	135	9.360	2.43	25	
Hexane	9.290	0.50	10	92.9	65	135	9.450	1.71	25	
m&p-Xylene	18.75	1.0	20	93.8	65	135	18.30	2.43	25	
Methyl tert-butyl ether	9.740	1.0	10	97.4	65	135	9.310	4.51	25	
Methylene chloride	9.590	0.50	10	95.9	65	135	9.370	2.32	25	
o-Xylene	9.290	0.50	10	92.9	65	135	9.270	0.216	25	
Propene (Propylene)	9.320	0.50	10	93.2	65	135	9.110	2.28	25	
Styrene	9.610	0.50	10	96.1	65	135	9.270	3.60	25	
Tetrachloroethene	9.300	0.50	10	93.0	65	135	9.150	1.63	25	
Tetrahydrofuran	9.860	2.0	10	98.6	65	135	9.420	4.56	25	
Toluene	9.410	0.50	10	94.1	65	135	9.210	2.15	25	
trans-1,2-Dichloroethene	9.720	0.50	10	97.2	65	135	9.640	0.826	25	
trans-1,3-Dichloropropene	9.730	0.50	10	97.3	65	135	9.440	3.03	25	
Trichloroethene	9.300	0.50	10	93.0	65	135	9.180	1.30	25	
Trichlorofluoromethane(F-11)	9.620	0.50	10	96.2	65	135	9.610	0.104	25	
Trichlorotrifluoroethane(F-113)	9.620	0.50	10	96.2	65	135	9.530	0.940	25	
Vinyl acetate	10.12	0.50	10	101	65	135	9.780	3.42	25	
Vinyl chloride	8.950	0.50	10	89.5	65	135	8.860	1.01	25	
Surr: 4-Bromofluorobenzene	10.13	0.50	10	101	70	130	10.09	0	0	

Qualifiers: * Value exceeds Maximum Contaminant Level ND Not Detected at the Reporting Limit

Aerotech Environmental Laboratories Sample Receipt Checklist

Project Checked By: _____

Laboratory Number: <u>07-05-0260</u>		Checklist completed by: <u>Jovan Espinoza</u>	
Client Name: <u>MACTEC, Inc.</u>		Signature/Date: <u>5/8/07</u>	
Matrix: <u>Air</u>	Carrier Name: <u>Mark</u>	Date/Time Rec'd: <u>5/8/07 1125</u>	By: <u>JE</u>

 Temperature of Samples? Amb °C Circle one: Blue Ice ☐ Wet Ice ☐ Not Present ☒

Client or PM made aware temp. out of range?	Yes	No	Yes	No*	Not Present	Soil Containers:
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Brass Sleeve _____
Custody seals intact on shipping container/cooler?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Glass Jar _____
Custody seals intact on sample containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Methanol _____
Chain of Custody present and relinquished/received properly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Plastic Bag _____
Chain of Custody agrees with sample labels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Encore Samplers _____
Samples in proper containers/bottles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sterile Plastic _____
Sample containers intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
All samples received within holding time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	**See Comments about Chlorine and pH
Is there sufficient sample volume to perform the tests?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
40mL vials for volatiles & SOCs received with zero headspace?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Total number of bottles received: <u>3</u>	IH sample media: <u>1 L Air Canisters</u>
If applicable, how many sample bottles were shipped from AEL-Tucson?	<u>N/A</u>

Number of containers received by preservative and by sample number. (If more than 15 samples are rec'd, please continue on separate sheet(s)).

Preservative	Simple***	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A-General		1	1	1												
B-HNO3																
C-H2SO4																
D-HCl																
E-Na2S2O3																
F-NaOH																
G-Sulfide																
H-Na Sulfite																
I-MCAA																
J-Methanol																
K-HAA																
L-Other																

Water pH acceptable upon receipt? Yes ☒ No ☐ N/A ☒

Preservative & pH	pH of samples upon receipt	If pH requires adjustment, list sample number, and reagent I.D. number
Metals <2		
Nutrients <2		
Total Phenols <2		
1664 <2		
Cyanide >12		
Sulfide >9		

*Any No response must be detailed in the comments section below. Contact the PM immediately to determine how to proceed. Refer to SOP 11-001. Continue on back if additional space is needed.

**The holding time for pH and Total Residual Chlorine analysis is immediate. For the most accurate result, the pH and Total Residual Chlorine should be taken in the field within 15 minutes of sampling.

***The Simple box is only to be used when there is one bottle per preservative in equal sample sets.

Comments:

Corrective Action:



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- www.aerovirolabs.com or call toll-free 866 772.5227**

Sample Receipt	Turn Around Request
Temperature <u>Am b</u> °C	<u> </u> 24 Hours <u> </u> 48 Hours
Custody Seals: Yes <u> </u> No <u>X</u>	<u> </u> 72 Hours <u> </u>
Custody Seals Intact: Yes <u> </u> No <u>X</u>	<u> </u> 5 working Day <u> </u>
Total # of Containers: <u>3</u>	<u> </u> Standard 10 Working Days <u> </u>
Subject to scheduling and availability (surcharges apply)	

[illegible]

Received By:

5/8/07	1125	Mark Thomas	Joan Egan
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