2655 Park Center Drive, Suite A Simi Valley, California 93065 (805) 526-7161 (805) 526-7270 fax

Columbia Analytical Services INC.
An Employee - Owned Company

March 12, 2007

Mr. Troy Gill
TRC
21 Technology Drive
Irvine, CA 92618

Re: CAS Job File P2603406

Dear Mr. Gill:

Your CAS report number P2603406 has been revised. Pursuant your request, the case narrative has been revised to include a statement regarding the mid point standards meeting criteria. The applicable pages have been included with an "R" following the page number in the bottom right corner as an indication that it is a revised page.

Please retain this letter for your records and either return the original pages to CAS/Simi Valley or properly discard. Please contact me at (805) 526-7161 if you have any questions.

Regards,

Kate Aguilera

Kate Aguilera
Project Manager

2655 Park Center Drive, Suite A Simi Valley, California 93065 (805) 526-7161 (805) 526-7270 fax

Columbia Analytical Services INC.
An Employee - Owned Company

LABORATORY REPORT

Client:	TRC	Date of Report:	01/12/07
		Date of Revision:	**03/12/07**
Address:	21 Technology Drive	Date Received:	12/12/06
	Irvine, CA 92618	CAS Project No:	P2603406
Contact:	Mr. Yasser Fahmy	Purchase Order:	Verbal

Client Project ID: WDI

Twelve (12) Stainless Steel Summa Canisters labeled:

"WDI-IBM-50-12-10-06"	"WDI-IBM-28-12-10-06"	"WDI-IBM-24-12-10-06"
"WDI-IBM-24B-12-10-06"	"WDI-IBM-03B-12-10-06"	"WDI-IBM-50-12-10-06-SC"
"WDI-VW-31-S-12-12-06"	"WDI-VW-31-D-12-12-06"	"WDI-VW-34-D-12-12-06"
"WDI-VW-34-I-12-12-06"	"WDI-VW-34-S-12-12-06"	"WDI-VW-34-I-12-12-06-SC"

The samples were received at the laboratory under chain of custody on December 12, 2006. The samples were received intact. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time that they were received at the laboratory.

Methane and Total Gaseous Non-Methane Organics as Methane Analysis

The samples were analyzed for methane and total gaseous non-methane organics as methane according to modified EPA Method 25C. The analyses included a single sample injection (method modification) analyzed by gas chromatography using flame ionization detection/total combustion analysis.

The mid point standard meets the percent difference criteria of 15%.

Fixed Gases Analysis

The samples were also analyzed for fixed gases (hydrogen, oxygen/argon, nitrogen, carbon monoxide, and carbon dioxide) according to modified EPA Method 3C (single injection) using a gas chromatograph equipped with a thermal conductivity detector (TCD).

The mid point standard meets the percent difference criteria of 10%.

Reviewed and Approved:

Aristotle Bragasin
Analytical Chemist
Air Quality Laboratory

Reviewed and Approved:

Wade Henton
GC-VOA Team Leader
Air Quality Laboratory

2R

2655 Park Center Drive, Suite A Simi Valley, California 93065 (805) 526-7161 (805) 526-7270 fax

Columbia Analytical Services INC.
An Employee - Owned Company

January 12, 2007

Mr. Yasser Fahmy
TRC
21 Technology Drive
Irvine, CA 92618

RE: P2603406
WDI

Dear Mr. Fahmy:

Enclosed are the results of the sample(s) submitted to our laboratory on December 12, 2006. For your reference, these analyses have been assigned our service request number P2603406.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report. Your report contains 101 pages.

Columbia Analytical Services is certified by the California Department of Health Services, Certificate No. 2380; Arizona Department of Health Services, Certificate No. AZ0694; New Jersey Department of Environmental Protection, NELAP Laboratory Certification ID #CA009; New York State Department of Health, NELAP NY Lab ID No: 11221; Oregon Environmental Laboratory Accreditation Program, NELAP ID: CA20007; The American Industrial Hygiene Association, Laboratory #101661. Please contact me for specific method(s) and analyte(s) corresponding to a particular certification.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

Columbia Analytical Services, Inc.

Kate Aguilera

Kate Aguilera
Project Manager

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Columbia Analytical Services INC.
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LABORATORY REPORT

Client:	TRC	Date of Report:	01/12/07
Address:	21 Technology Drive	Date Received:	12/12/06
	Irvine, CA 92618	CAS Project No:	P2603406
Contact:	Mr. Yasser Fahmy	Purchase Order:	Verbal

Client Project ID: WDI

Twelve (12) Stainless Steel Summa Canisters labeled:

"WDI-IBM-50-12-10-06"	"WDI-IBM-28-12-10-06"	"WDI-IBM-24-12-10-06"
"WDI-IBM-24B-12-10-06"	"WDI-IBM-03B-12-10-06"	"WDI-IBM-50-12-10-06-SC"
"WDI-VW-31-S-12-12-06"	"WDI-VW-31-D-12-12-06"	"WDI-VW-34-D-12-12-06"
"WDI-VW-34-I-12-12-06"	"WDI-VW-34-S-12-12-06"	"WDI-VW-34-I-12-12-06-SC"

The samples were received at the laboratory under chain of custody on December 12, 2006. The samples were received intact. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time that they were received at the laboratory.

Methane and Total Gaseous Non-Methane Organics as Methane Analysis

The samples were analyzed for methane and total gaseous non-methane organics as methane according to modified EPA Method 25C. The analyses included a single sample injection (method modification) analyzed by gas chromatography using flame ionization detection/total combustion analysis.

Fixed Gases Analysis

The samples were also analyzed for fixed gases (hydrogen, oxygen/argon, nitrogen, carbon monoxide, and carbon dioxide) according to modified EPA Method 3C (single injection) using a gas chromatograph equipped with a thermal conductivity detector (TCD).

Reviewed and Approved:

Aristotle Bragasin
Analytical Chemist
Air Quality Laboratory

Reviewed and Approved:

Wade Henton
GC-VOA Team Leader
Air Quality Laboratory

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2655 Park Center Drive, Suite A Simi Valley, California 93065 (805) 526-7161 (805) 526-7270 fax

CAS Project No: P2603406

Volatile Organic Compound Analysis

The samples were also analyzed by combined gas chromatography/mass spectrometry (GC/MS) for volatile organic compounds. The analyses were performed according to the methodology outlined in EPA Method TO-15. The analyses were performed by gas chromatography/mass spectrometry, utilizing a direct cryogenic trapping technique. The analytical system used was comprised of an Agilent Model 5973inert GC/MS/DS interfaced to a Tekmar AutoCan Elite whole air inlet system/cryogenic concentrator. A 100% Dimethylpolysiloxane capillary column (RT_x-1, Restek Corporation, Bellefonte, PA) was used to achieve chromatographic separation.

On 12/15/06 the closing CCV was outside of the 12-hours tune. The sample identified as "WDI-IBM-24-12-10-06" and its duplicate were reported from this batch.

On 12/20/06 and 12/19/06 vinyl chloride was biased low on the closing CCV.

Volatile Organic Compound Analysis

Six of the samples were also analyzed by combined gas chromatography/mass spectrometry (GC/MS) in selective ion monitoring (SIM) mode for selected volatile organic compounds. The analyses were performed according to the methodology outlined in EPA Method TO-15. The analyses were performed by gas chromatography/mass spectrometry, utilizing a direct cryogenic trapping technique. The analytical system used was comprised of an Agilent Model 5973N GC/MS/DS interfaced to a Tekmar AutoCan Elite whole air inlet system/cryogenic concentrator. A 100% Dimethylpolysiloxane capillary column (RT_x-1, Restek Corporation, Bellefonte, PA) was used to achieve chromatographic separation.

The results of analyses are given on the attached data sheets. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for utilization of less than the complete report.

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COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-50-12-10-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-001

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:

Date Collected: 12/10/06
Date Received: 12/12/06
Date Analyzed: 12/19/06
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.7 Pf 1 = 3.6
D.F. = 1.66

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**1.7**	0.83	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**17**	1.7	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

03406SVG.RD1 -Sample

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-28-12-10-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-002

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:

Date Collected: 12/10/06
Date Received: 12/12/06
Date Analyzed: 12/19/06
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.2 Pf 1 = 3.6
D.F. = 1.59

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**2.1**	0.80	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.6	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: Rc Date: 12/28/06

03406SVG.RD1 -Sample (2)

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-24-12-10-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-003

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:

Date Collected: 12/10/06
Date Received: 12/12/06
Date Analyzed: 12/19/06
Volume(s) Analyzed: 0.50 ml

Pi 1 = -2.7 Pf 1 = 3.5
Pi 2 = -1.7 Pf 2 = 2.4 D.F. = 2.00

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**1.6**	1.0	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	2.0	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

03406SVG.RD1 -Sample (3)

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-24B-12-10-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-004

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:

Date Collected: 12/10/06
Date Received: 12/12/06
Date Analyzed: 12/19/06
Volume(s) Analyzed: 0.50 ml

Pi 1 = -2.5 Pf 1 = 3.5
D.F. = 1.49

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**3.2**	0.75	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.5	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RC Date: 12/28/06

03406SVG.RD1 -Sample (4)

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-03B-12-10-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-005

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:

Date Collected: 12/10/06
Date Received: 12/12/06
Date Analyzed: 12/19/06
Volume(s) Analyzed: 0.50 ml

Pi 1 = -2.6 Pf 1 = 3.8
Pi 2 = -2.2 Pf 2 = 1.4 D.F. = 1.97

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**2.2**	0.99	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**5.5**	2.0	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit.**
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: R.L. Date: 12/28/06

03406SVG.RD1 -Sample (5)

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-03B-12-10-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-005DUP

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:

Date Collected: 12/10/06
Date Received: 12/12/06
Date Analyzed: 12/19/06
Volume(s) Analyzed: 0.50 ml

Pi 1 = -2.6 Pf 1 = 3.8
Pi 2 = -2.2 Pf 2 = 1.4 D.F. = 1.97

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**2.4**	0.99	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**4.9**	2.0	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RL Date: 12/28/06

03406SVG.RD1 -Dup (5)

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-50-12-10-06-SC**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-006

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:

Date Collected: 12/10/06
Date Received: 12/12/06
Date Analyzed: 12/19/06
Volume(s) Analyzed: 0.50 ml

Pi 1 = -2.8 Pf 1 = 3.5
D.F. = 1.53

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**1.9**	0.77	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**15**	1.5	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-31-S-12-12-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-007

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00037

Date Collected: 12/12/06
Date Received: 12/12/06
Date Analyzed: 12/19/06
Volume(s) Analyzed: 0.50 ml

Pi 1 = -2.5 Pf 1 = 3.5
D.F. = 1.49

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	ND	0.75	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**2.1**	1.5	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: R G Date: 12/28/06

03406SVG.RD1 -Sample (7)

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-31-D-12-12-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-008

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00203

Date Collected: 12/12/06
Date Received: 12/12/06
Date Analyzed: 12/19/06
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.6 Pf 1 = 3.5
D.F. = 1.64

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**1.2**	0.82	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**4.4**	1.6	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-34-D-12-12-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-009

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00592

Date Collected: 12/12/06
Date Received: 12/12/06
Date Analyzed: 12/19/06
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.7 Pf 1 = 3.5
D.F. = 1.65

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**0.87**	0.83	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**5.4**	1.7	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RL Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-34-I-12-12-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-010

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00041

Date Collected: 12/12/06
Date Received: 12/12/06
Date Analyzed: 12/19/06
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.7 Pf 1 = 3.6
D.F. = 1.66

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**2.5**	0.83	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.7	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-34-S-12-12-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-011

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00263

Date Collected: 12/12/06
Date Received: 12/12/06
Date Analyzed: 12/19/06
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.4 Pf 1 = 3.5
D.F. = 1.61

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**1.0**	0.81	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**5.1**	1.6	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RCr Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-34-I-12-12-06-SC**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-012

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00286

Date Collected: 12/12/06
Date Received: 12/12/06
Date Analyzed: 12/19/06
Volume(s) Analyzed: 0.50 ml

Pi 1 = -4.0 Pf 1 = 3.5
D.F. = 1.70

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**2.5**	0.85	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.7	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

03406SVG.RD1 -Sample (12)

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P061219-MB

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 12/19/06
Volume(s) Analyzed: 0.50 ml

D.F. = 1.00

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	ND	0.50	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.0	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RCS Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Lab Control Sample**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P061219-LCS

Laboratory Control Sample Summary

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 12/19/06
Volume(s) Analyzed: NA

Compound	Spike Amount LCS ppmV	Result LCS ppmV	**% Recovery LCS**	Acceptance Limits	Data Qualifier
Methane	57.5	57.6	100	90-110	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	345	346	100	90-110	

Verified By: RC Date: 12/28/06

Response Factor Report GC 01

Method : J:\GC01\METHODS\M102006.M (Chemstation Integrator)
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Mon Oct 23 16:38:21 2006
Response via : Initial Calibration

Calibration Files
1 =10200606.D 2 =10200607.D 3 =10200608.D
4 =10200609.D 5 =10200610.D 6 =10200611.D

	Compound	1	2	3	4	5	6	Avg		%RSD
1)	Carbon Monoxide	5.184	5.715	5.812	6.058	6.017	6.064	5.808	E3	5
2)	Methane	6.638	6.124	6.356	6.256	6.204	6.190	6.295	E3	2
3)	Carbon Dioxide	5.461	7.056	6.139	6.279	6.073	6.194	6.200	E3	8
4)	TGNMO-1	6.773	6.683	5.923	6.159	6.535	6.429	6.417	E3	5
5)	TGMNO-2	6.773	6.683	5.923	6.159	6.535	6.429	6.417	E3	5

10/23/06

(#) = Out of Range

Compound #2: Methane (Page 3)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	0.550	3651			
2	4.034	24705			
3	11.006	69950			
4	80.680	504760			
5	2751.710	17070304			
6	20170.000	124856770			

	Integration Parameter File	Sum?
Tgt		
Q1		☐
Q2		☐
Q3		☐

Area Correction Slope: 0.00

Correction Factor: 0.000

Prev | Next | Plot | Page 1 | Page 2 | OK | Cancel | Help

Compound #4: TGH40-1 (Page 3)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	0.819	5547			
2	6.000	40100			
3	16.371	96972			
4	120.000	739089			
5	4072.300	26614390			
6	29850.000	191892442			

	Integration Parameter File	Sum?
Tgt		
Q1		☐
Q2		☐
Q3		☐

Area Correction Slope: 0.00

Correction Factor: 0.000

Prev | Next | Plot | Page 1 | Page 2 | OK | Cancel | Help

Compound #5: TGM40-2 (Page 3)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	0.879	5547			
2	6.000	40100			
3	16.371	96972			
4	120.000	739089			
5	4072.300	26614390			
6	29850.000	191892442			

	Integration Parameter File	Sum?
Tot		
		☐
		☐
		☐

Area Correction Slope: 0.00

Correction Value: 0.000

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PERFORMANCE ANALYTICAL INC.

EPA 25C TCA/FID Analysis for TGNMO

Client & PAI Job# : TRC P2603406
Analyst : WHH
Sample amount : 500uL / 68uL

Printed : 12/27/06
Instrument : GC #1 / FID #1
Date analyzed : 12/19/06

Sample Results (ppm)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide	TGNMO-1	TGNMO-2	Pi1	Pf1	Pi2	Pf2
STD S14-10110605	99.6	77.8	97.3	112.0					
ACTUAL	100.4	80.7	99.7	120.0					
% DIFF.	0.8%	3.6%	2.4%	6.6%					
MB NL	0.00	0.00	0.00	0.00	0.00				
LAB AIR NL	0.90	1.97	495.73	0.00	0.00				
3406-001	1.36	1.04	273.90	10.17	0.00	-3.7	3.6		
3406-002	0.46	1.30	270.16	0.00	0.00	-3.2	3.6		
3406-003	0.58	0.82	237.87	0.00	0.00	-2.7	3.5	-1.7	2.4
3406-004	0.98	2.15	340.55	0.00	0.00	-2.5	3.5		
3406-005	0.00	1.13	234.64	2.77	0.00	-2.6	3.8	-2.2	1.4
3406-006	0.83	1.26	269.54	9.95	0.00	-2.8	3.5		
3406-007 v	0.00	0.45	v	1.39	0.00	-2.5	3.5		
3406-008 v	0.78	0.73	v	2.68	0.00	-3.6	3.5		
3406-009 v	1.15	0.52	v	3.26	0.00	-3.7	3.5		
3406-010	0.70	1.52	710.51	0.00	0.00	-3.7	3.6		
3406-011 v	0.00	0.63	v	3.15	0.00	-3.4	3.5		
3406-012	0.56	1.46	303.36	0.00	0.00	-4.0	3.5		
3406-005 dup	0.41	1.20	225.26	2.47	0.00	-2.6	3.8	-2.2	1.4
LCS 57/345ppm S14-0405	60.84	57.62	57.27	346.32					
ACTUAL	57.9	57.5	57.9	345.0					
% Recovery	105.1%	100.2%	99.0%	100.4%					
STD S14-10110605	96.02	73.94	101.97	107.13					
ACTUAL	100.4	80.7	99.7	120.0					
% DIFF.	4.4%	8.4%	2.3%	10.7%					

LB 12/27/06

Completed Sample Results ppm

Loop ratio=7.33

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide	TOTAL TGNMO	TOTAL TGNMO as Hexane	BAG DF	LOOP DF	PiPf DF
RL ppm *	5.0	0.5	5.0	1.0	0.17			
MDL ppm	0.10	0.19	1.80	0.48	0.08			
MB NL	ND	ND	ND	ND	ND	1.00	1.00	1.00
LAB AIR NL	0.90	1.97	495.73	ND	ND	1.00	1.00	1.00
3406-001	ND	1.74	455.68	16.92	2.82	1.00	1.00	1.66
3406-002	ND	2.07	429.90	ND	ND	1.00	1.00	1.59
3406-003	ND	1.63	474.56	ND	ND	1.00	1.00	2.00
3406-004	ND	3.20	508.03	ND	ND	1.00	1.00	1.49
3406-005	ND	2.23	462.06	5.45	0.91	1.00	1.00	1.97
3406-006	ND	1.92	412.23	15.21	2.54	1.00	1.00	1.53
3406-007 v	ND	ND	VENT	2.07	0.34	1.00	1.00	1.49
3406-008 v	ND	1.20	VENT	4.39	0.73	1.00	1.00	1.64
3406-009 v	ND	0.87	VENT	5.40	0.90	1.00	1.00	1.65
3406-010	ND	2.53	1182.04	ND	ND	1.00	1.00	1.66
3406-011 v	ND	1.02	VENT	5.08	0.85	1.00	1.00	1.61
3406-012	ND	2.47	515.99	ND	ND	1.00	1.00	1.70
3406-005 dup	ND	2.37	443.59	4.87	0.81	1.00	1.00	1.97

Injection Log

Directory: j:\gc01\data\25c\2006_10\20

.ine	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
	1	10200601.d	1.	STD 100/80ppmS14-10110605		20 Oct 106 12::4
2	1	10200602.d	1.	MB		20 Oct 106 12::5
3	1	10200603.d	1.	Lab Air		20 Oct 106 12::0
4	1	10200604.d	1.	LCS 345ppm		20 Oct 106 12::2
5	1	10200605.d	1.	test low		20 Oct 106 13::5
6	1	10200606.d	1.	STD 25C low level small loop	S14-10110606	20 Oct 106 13::0
7	1	10200607.d	1.	STD 25C low level normal loop	S14-10110606	20 Oct 106 13::3
8	1	10200608.d	1.	STD 25C mid level small loop	S14-10110605	20 Oct 106 12::0
9	1	10200609.d	1.	STD 25C mid level normal loop	S14-10110605	20 Oct 106 12::2
0	1	10200610.d	1.	STD 25C high level small loop	S14-10200601	20 Oct 106 12::1
1	1	10200611.d	1.	STD 25C high level normal loop	S14-10200601	20 Oct 106 12::3
2	1	10200612.d	1.	ICV S14-03270602		20 Oct 106 12::5
3	1	10200613.d	1.	ICV S14-03270602	aprox 100/80ppm	20 Oct 106 12::2
4	1	10200614.d	1.	x MB electrical noise		20 Oct 106 12::3
5	1	10200615.d	1.	MB good		20 Oct 106 12::0
6	1	10200616.d	1.	MB		20 Oct 106 12::2

WB 10/23/06

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COLUMBIA ANALYTICAL SERVICES
SAMPLE RUN LOG
ID: HP 5890 SERIES II / GC1

DATE: 12 / 19 / 2006 DATA SYSTEM: HP Chemstation ANALYSIS: ___ 25C ✓ 25C(MOD.) ___ 3C ___ 3C(MOD.)

INJECTOR: PACKED COLUMN
VALVE SYSTEM:
3C ___ REGULAR LOOP (100µL) ___ OTHER _____
25C ___ REGULAR LOOP (500µL) ___ SMALL LOOP (7.33:1)

COLUMN ID's:
___ 8' X 1/8" CARBOSPHERE
___ 4' X 1/8" TENAX / HAYSEP Q / CARBOSPHERE

TEMPERATURE PROGRAMMING:
INITIAL AT 50 °C FOR 2 min
RAMP RATE 30 °C/min TO 200 °C HOLD FOR 1 min

CARRIER GAS: He 25.1 mL/min

DETECTOR INFO: HP TCD #1: 260 °C SENSITIVITY: INITIAL HIGH, 1.5 min LOW
HP FID #1: 280 °C POLARITY: INITIAL NEGATIVE, 1.5 min POSITIVE

DATA PATHWAY: J:\GC1\DATA\ 25C/2006_12/19/ METHOD FILE NAME: J:\GC1\METHODS\ M102006 .M

	DATA FILE HEADER INFO	CLIENT	ANALYST
01	STD S14-10110605		WF
02	↓		
03	MB		
04	LabA.5		
05	LCS 375 ppm S14-04050602		
06	3406-002		
07	003		
08	003 Dup		
09	004		
10	005		
11	005 Dup		
12	001		
13	006		
14	012		
15	011 ✓		
16	STD S14-10110605		
17	3406-010		
18	009 ✓		
19	008 ✓		
20	007 ✓		
21	3406-007 ✓ Dup		WF
22	STD S14-10110605		WF
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
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39			
40			

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-IBM-50-12-10-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-001

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:

Date Collected: 12/10/06
Date Received: 12/12/06
Date Analyzed: 12/19/06
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.7 Pf 1 = 3.6

D.F. = 1.66

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.17	
7782-44-7 7440-37-1	Oxygen + Argon *	**22.1**	0.17	
7727-37-9	Nitrogen	**77.8**	0.17	
630-08-0	Carbon Monoxide	ND	0.17	
124-38-9	Carbon Dioxide	ND	0.17	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
* = Coeluting Compounds

Verified By: Rcr Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-IBM-28-12-10-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-002

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:

Date Collected: 12/10/06
Date Received: 12/12/06
Date Analyzed: 12/19/06
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.2 Pf 1 = 3.6

D.F. = 1.59

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.16	
7782-44-7 7440-37-1	Oxygen + Argon *	**22.2**	0.16	
7727-37-9	Nitrogen	**77.8**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	ND	0.16	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit.**
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
* = Coeluting Compounds

Verified By: RL Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-IBM-24-12-10-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-003

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:

Date Collected: 12/10/06
Date Received: 12/12/06
Date Analyzed: 12/19/06
Volume(s) Analyzed: 0.10 ml

Pi 1 = -2.7 Pf 1 = 3.5
Pi 2 = -1.7 Pf 2 = 2.4 D.F. = 2.00

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.20	
7782-44-7 7440-37-1	Oxygen + Argon *	**22.2**	0.20	
7727-37-9	Nitrogen	**77.7**	0.20	
630-08-0	Carbon Monoxide	ND	0.20	
124-38-9	Carbon Dioxide	ND	0.20	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
* = Coeluting Compounds

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-IBM-24B-12-10-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-004

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:

Date Collected: 12/10/06
Date Received: 12/12/06
Date Analyzed: 12/19/06
Volume(s) Analyzed: 0.10 ml

Pi 1 = -2.5 Pf 1 = 3.5

D.F. = 1.49

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.15	
7782-44-7 7440-37-1	Oxygen + Argon *	**22.2**	0.15	
7727-37-9	Nitrogen	**77.8**	0.15	
630-08-0	Carbon Monoxide	ND	0.15	
124-38-9	Carbon Dioxide	ND	0.15	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
* = Coeluting Compounds

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-IBM-24B-12-10-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-004DUP

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:

Date Collected: 12/10/06
Date Received: 12/12/06
Date Analyzed: 12/19/06
Volume(s) Analyzed: 0.10 ml

Pi 1 = -2.5 Pf 1 = 3.5

D.F. = 1.49

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.15	
7782-44-7 7440-37-1	Oxygen + Argon *	**22.2**	0.15	
7727-37-9	Nitrogen	**77.8**	0.15	
630-08-0	Carbon Monoxide	ND	0.15	
124-38-9	Carbon Dioxide	ND	0.15	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit.**
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
* = Coeluting Compounds

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-IBM-03B-12-10-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-005

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:

Date Collected: 12/10/06
Date Received: 12/12/06
Date Analyzed: 12/19/06
Volume(s) Analyzed: 0.10 ml

Pi 1 = -2.6 Pf 1 = 3.8
Pi 2 = -2.2 Pf 2 = 1.4 D.F. = 1.97

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.20	
7782-44-7 7440-37-1	Oxygen + Argon *	**22.2**	0.20	
7727-37-9	Nitrogen	**77.7**	0.20	
630-08-0	Carbon Monoxide	ND	0.20	
124-38-9	Carbon Dioxide	ND	0.20	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
* = Coeluting Compounds

Verified By: RLr Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-IBM-50-12-10-06-SC**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-006

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:

Date Collected: 12/10/06
Date Received: 12/12/06
Date Analyzed: 12/19/06
Volume(s) Analyzed: 0.10 ml

Pi 1 = -2.8 Pf 1 = 3.5

D.F. = 1.53

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.15	
7782-44-7 7440-37-1	Oxygen + Argon *	**22.2**	0.15	
7727-37-9	Nitrogen	**77.7**	0.15	
630-08-0	Carbon Monoxide	ND	0.15	
124-38-9	Carbon Dioxide	ND	0.15	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit.**
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
* = Coeluting Compounds

Verified By: R. Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-31-S-12-12-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-007

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00037

Date Collected: 12/12/06
Date Received: 12/12/06
Date Analyzed: 12/19/06
Volume(s) Analyzed: 0.10 ml

Pi 1 = -2.5 Pf 1 = 3.5

D.F. = 1.49

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.15	
7782-44-7 7440-37-1	Oxygen + Argon *	**17.8**	0.15	
7727-37-9	Nitrogen	**77.8**	0.15	
630-08-0	Carbon Monoxide	ND	0.15	
124-38-9	Carbon Dioxide	**4.38**	0.15	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit.**
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
* = Coeluting Compounds

Verified By: KG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-31-D-12-12-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-008

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00203

Date Collected: 12/12/06
Date Received: 12/12/06
Date Analyzed: 12/19/06
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.6 Pf 1 = 3.5

D.F. = 1.64

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.16	
7782-44-7 7440-37-1	Oxygen + Argon *	**11.7**	0.16	
7727-37-9	Nitrogen	**79.6**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**8.71**	0.16	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
* = Coeluting Compounds

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-34-D-12-12-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-009

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00592

Date Collected: 12/12/06
Date Received: 12/12/06
Date Analyzed: 12/19/06
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.7 Pf 1 = 3.5

D.F. = 1.65

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.17	
7782-44-7 7440-37-1	Oxygen + Argon *	**4.87**	0.17	
7727-37-9	Nitrogen	**83.1**	0.17	
630-08-0	Carbon Monoxide	ND	0.17	
124-38-9	Carbon Dioxide	**12.0**	0.17	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
* = Coeluting Compounds

Verified By: RL Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-34-I-12-12-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-010

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00041

Date Collected: 12/12/06
Date Received: 12/12/06
Date Analyzed: 12/19/06
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.7 Pf 1 = 3.6

D.F. = 1.66

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.17	
7782-44-7 7440-37-1	Oxygen + Argon *	**22.1**	0.17	
7727-37-9	Nitrogen	**77.8**	0.17	
630-08-0	Carbon Monoxide	ND	0.17	
124-38-9	Carbon Dioxide	ND	0.17	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
* = Coeluting Compounds

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-34-S-12-12-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-011

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00263

Date Collected: 12/12/06
Date Received: 12/12/06
Date Analyzed: 12/19/06
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.4 Pf 1 = 3.5

D.F. = 1.61

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.16	
7782-44-7 7440-37-1	Oxygen + Argon *	**14.1**	0.16	
7727-37-9	Nitrogen	**78.3**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**7.62**	0.16	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
* = Coeluting Compounds

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-34-I-12-12-06-SC**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-012

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00286

Date Collected: 12/12/06
Date Received: 12/12/06
Date Analyzed: 12/19/06
Volume(s) Analyzed: 0.10 ml

Pi 1 = -4.0 Pf 1 = 3.5
D.F. = 1.70

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.17	
7782-44-7 7440-37-1	Oxygen + Argon *	**22.2**	0.17	
7727-37-9	Nitrogen	**77.8**	0.17	
630-08-0	Carbon Monoxide	ND	0.17	
124-38-9	Carbon Dioxide	ND	0.17	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
* = Coeluting Compounds

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P061219-MB

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 12/19/06
Volume(s) Analyzed: 0.10 ml

D.F. = 1.00

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.10	
7782-44-7 7440-37-1	Oxygen + Argon *	ND	0.10	
7727-37-9	Nitrogen	ND	0.10	
630-08-0	Carbon Monoxide	ND	0.10	
124-38-9	Carbon Dioxide	ND	0.10	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit.**
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
* = Coeluting Compounds

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Lab Control Sample**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P061219-LCS

Laboratory Control Sample Summary

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 12/19/06
Volume(s) Analyzed: NA

Compound	Spike Amount LCS ppmV	Result LCS ppmV	**% Recovery LCS**	Acceptance Limits	Data Qualifier
Hydrogen	40,100	36,800	**92**	90-110	
Oxygen + Argon *	50,000	51,100	**102**	90-110	
Nitrogen	50,500	49,900	**99**	90-110	
Carbon Monoxide	50,100	51,800	**103**	90-110	
Carbon Dioxide	50,400	51,900	**103**	90-110	

Verified By: Rc Date: 12/28/06

Response Factor Report GC 01

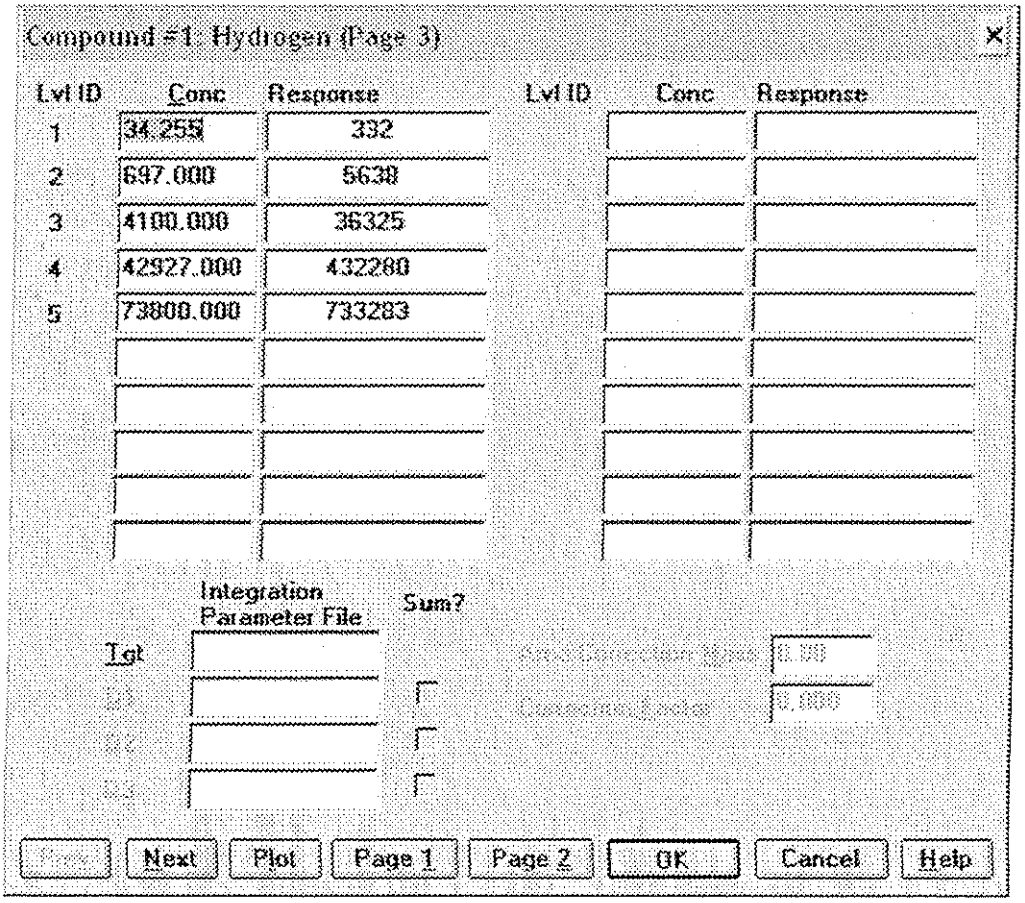
Method : J:\GC01\METHODS\3C082106.M (Chemstation Integrator)
Title : EPA 3C GC/TCD Analysis for Fixed Gases
Last Update : Mon Aug 21 16:53:50 2006

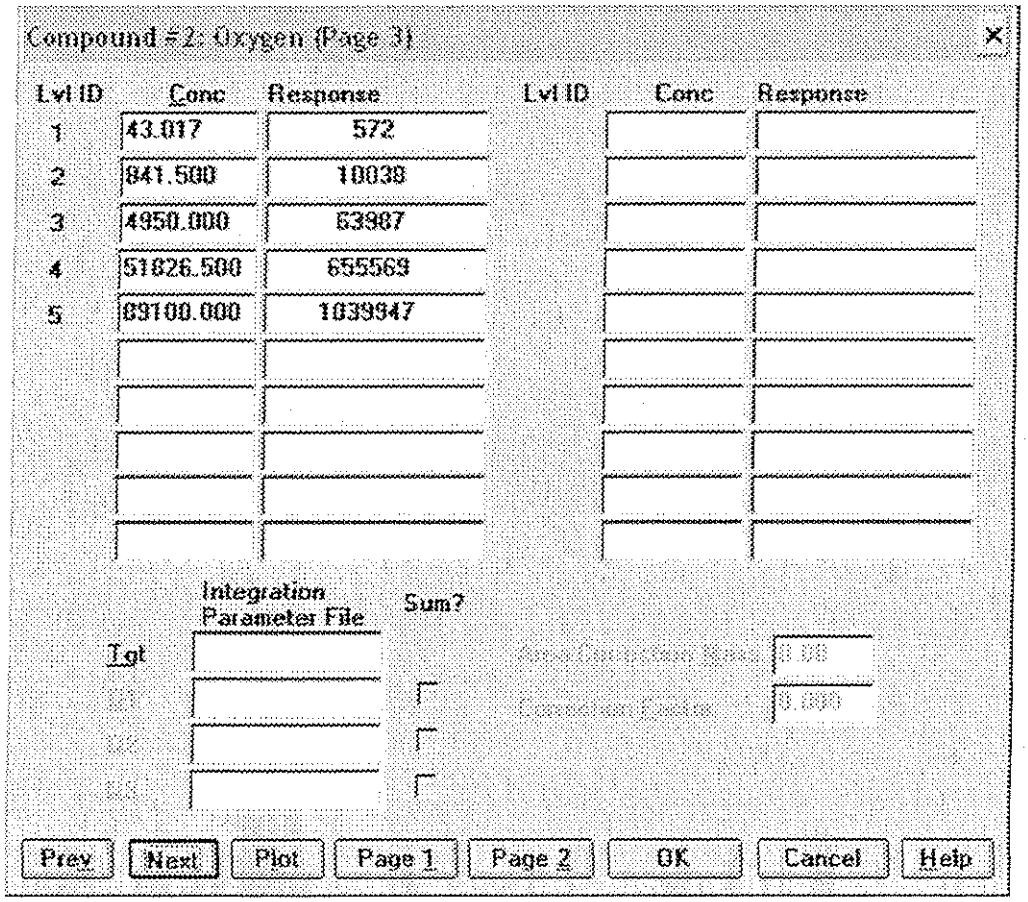
Calibration Files
1 =08210605.D 2 =08210606.D 3 =08210607.D
4 =08210608.D 5 =08210609.D

	Compound	1	2	3	4	5	Avg		%RSD
1)	Hydrogen	0.969	0.809	0.886	1.007	0.994	0.933	E1	8.97
2)	Oxygen	1.329	1.193	1.293	1.265	1.167	1.249	E1	5.43
3)	Nitrogen	1.476	1.364	1.484	1.480	1.406	1.442	E1	3.74
4)	Carbon Monoxide	1.384	1.312	1.423	1.406	1.323	1.370	E1	3.63
5)	Methane	1.027	0.996	1.061	1.039	0.973	1.019	E1	3.40
6)	Carbon Dioxide	1.559	1.511	1.614	1.591	1.498	1.555	E1	3.20

WB 8/22/06

ǂ) = Out of Range


Compound #1: Hydrogen (Page 3)
Lvl ID
Conc
Response
Lvl ID
Conc
Response
1
34.255
332
2
697.000
5638
3
4100.000
36325
4
42927.000
432280
5
73800.000
733283
Integration Parameter File
Sum?
Tgt
Next
Plot
Page 1
Page 2
OK
Cancel
Help


Compound #2: Oxygen (Page 3)
Lvl ID
Conc
Response
1
43.017
572
2
841.500
10038
3
4950.000
63987
4
51826.500
655569
5
89100.000
1039947
Lvl ID
Conc
Response
Integration Parameter File
Sum?
Tgt
Prev
Next
Plot
Page 1
Page 2
OK
Cancel
Help

Compound #3: Nitrogen (Page 3)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	42.585	628			
2	844.050	11517			
3	4965.000	73699			
4	51983.550	769193			
5	89370.000	1256516			

	Integration Parameter File	Sum?
Tgt		
		☐
		☐
		☐

Prev | Next | Plot | Page 1 | Page 2 | OK | Cancel | Help

Compound #4: Carbon Monoxide (Page 3)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	42.585	589			
2	853.400	11196			
3	5020.000	71443			
4	52559.400	738905			
5	90360.000	1195622			

	Integration Parameter File	Sum?
Igt		
		☐
		☐
		☐

Area Correction Mass: 0.00

Correction Factor: 0.000

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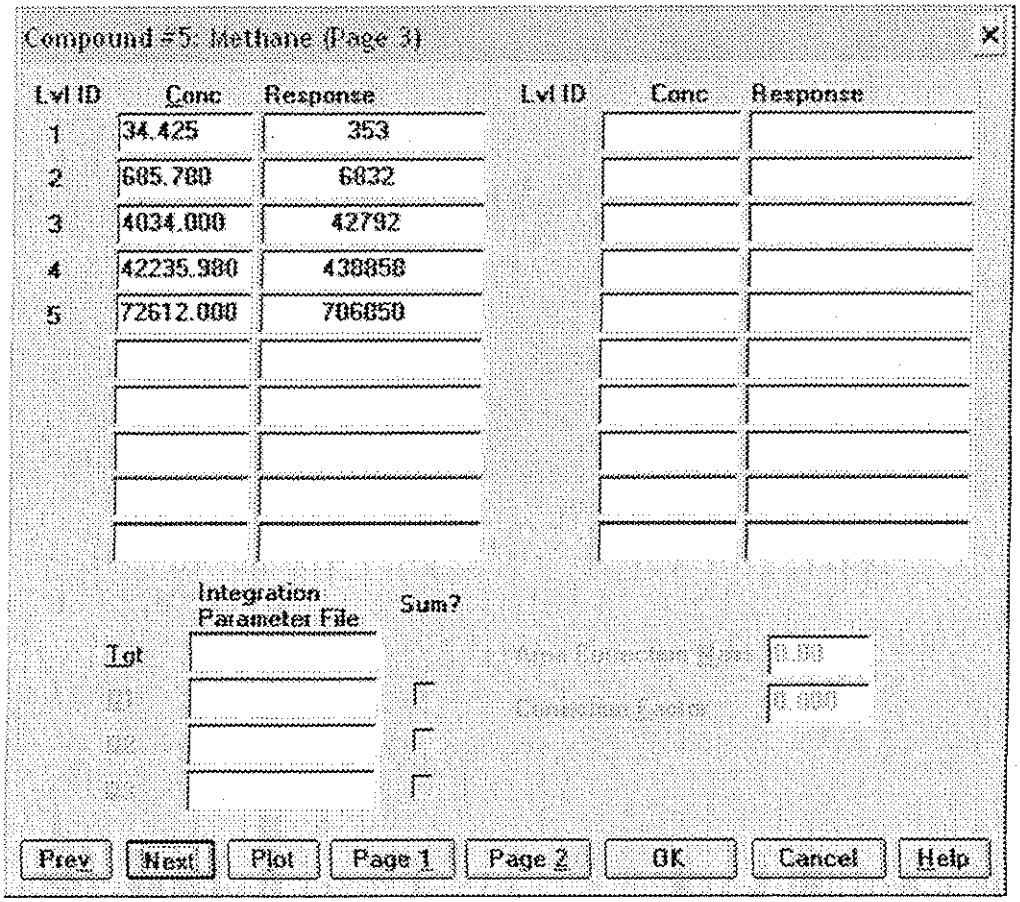
Compound #5: Methane (Page 3)
Lvl ID
Conc
Response
1
34.425
353
2
685.780
6832
3
4034.000
42792
4
42235.980
438858
5
72612.000
706850
Integration Parameter File
Sum?
Tgt
Prev
Next
Plot
Page 1
Page 2
OK
Cancel
Help

Compound #6: Carbon Dioxide (Page 3)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	42.585	664			
2	847.450	12806			
3	4985.000	80434			
4	52192.950	830567			
5	89730.000	1344318			

	Integration Parameter File	Sum?
Igt		
		☐
		☐
		☐

Blank Correction Mass: 0.00

Correction Factor: 0.000

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COLUMBIA ANALYTICAL INC.

EPA 3C GC/TCD Analysis for Fixed Gases

Client & PAI Job# : TRC P2603406
Analyst : WHH
Sample amount : ~100uL

Printed : 12/21/06
Instrument : GC #1 / TCD #1
Date analyzed : 12/19/06

Sample Result

Sample ID	Hydrogen	O2/Ar	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	Pi1	Pf1	Pi2	Pf2
STD-50000ppm	37469	53053	52214	53525	43175	52781				
ACTUAL	40100	49970	50540	50050	40050	50360				
% DIFFER.	6.6%	6.2%	3.3%	6.9%	7.8%	4.8%				
MB	0	0	0	0	0	0				
LAB AIR	0	227604	814222	0	0	486				
3406-001	0	138759	487806	0	0	664	-3.7	3.6		
3406-002	0	143248	501075	0	0	0	-3.2	3.6		
3406-003	0	121180	424782	0	0	506	-2.7	3.5	-1.7	2.4
3406-004	0	148957	523044	0	0	0	-2.5	3.5		
3406-005	0	121582	424713	0	0	536	-2.6	3.8	-2.2	1.4
3406-006	0	141106	493522	0	0	686	-2.8	3.5		
3406-007	0	103319	452163	0	0	25427	-2.5	3.5		
3406-008	0	66756	455333	0	0	49841	-3.6	3.5		
3406-009	0	31426	536011	0	0	77701	-3.7	3.5		
3406-010	0	143779	505394	0	0	689	-3.7	3.6		
3406-011	0	94209	523289	0	0	50959	-3.4	3.5		
3406-012	0	147109	515427	0	0	0	-4.0	3.5		
3406-004 dup	0	149773	523776	0	0	0	-2.5	3.5		
STD 50000ppm S14-09	36973	51284	50289	51853	41720	52118				
ACTUAL	40100	49970	50540	50050	40050	50360				
% DIFFER.	7.8%	2.6%	0.5%	3.6%	4.2%	3.5%				

Sample Result ppm with the DILUTION FACTOR

Sample ID	Hydrogen	O2/Ar	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	Total	D.F.
MB	0	0	0	0	0	0	0.0	1.00
LAB AIR	0	227604	814222	0	0	486	104.2	1.00
3406-001	0	230845	811531	0	0	1105	104.3	1.66
3406-002	0	227951	797364	0	0	0	102.5	1.59
3406-003	0	241753	847441	0	0	1009	109.0	2.00
3406-004	0	222215	780278	0	0	0	100.2	1.49
3406-005	0	239426	836369	0	0	1056	107.7	1.97
3406-006	0	215809	754799	0	0	1049	97.2	1.53
3406-007	0	154132	674538	0	0	37932	86.7	1.49
3406-008	0	109456	746581	0	0	81721	93.8	1.64
3406-009	0	51996	886854	0	0	128559	106.7	1.65
3406-010	0	239196	840792	0	0	1146	108.1	1.66
3406-011	0	151734	842819	0	0	82076	107.7	1.61
3406-012	0	250223	876708	0	0	0	112.7	1.70
3406-004 dup	0	223432	781371	0	0	0	100.5	1.49

Sample Result (Normalized)

Sample ID	Hydrogen	O2/Ar	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	Total
RL ppm	1000	1000	1000	1000	1000	1000	
MDL ppm	400	500	400	500	500	600	
STD-50000ppm	37469	53053	52214	53525	43175	52781	
MB	ND	ND	ND	ND	ND	ND	
LAB AIR	ND	218343	781091	ND	ND	466	99.99
3406-001	ND	221204	777638	ND	ND	~~1059~~	99.99
3406-002	ND	222300	777600	ND	ND	ND	99.99
3406-003	ND	221729	777246	ND	ND	~~925~~	99.99
3406-004	ND	221640	778260	ND	ND	ND	99.99
3406-005	ND	222317	776603	ND	ND	~~980~~	99.99
3406-006	ND	222082	776738	ND	ND	~~1060~~	99.99
3406-007	ND	177840	778293	ND	ND	43767	99.99
3406-008	ND	116709	796054	ND	ND	87136	99.99
3406-009	ND	48708	830764	ND	ND	120428	99.99
3406-010	ND	221223	777617	ND	ND	~~1060~~	99.99
3406-011	ND	140921	782753	ND	ND	76227	99.99
3406-012	ND	222017	777883	ND	ND	ND	99.99
3406-004 dup	ND	222342	777558	ND	ND	ND	99.99

See 25C for CH_4

WH 12/21/06

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Injection Log

Directory: j:\gc01\data\fxg\2006_08\21

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	4	08210601.d	10.	Test		21 Aug 106 12::5
2	4	08210602.d	10.	Test		21 Aug 106 13::5
3	4	08210603.d	10.	MB		21 Aug 106 13::0
4	4	08210604.d	10.	test		21 Aug 106 12::1
5	4	08210605.d	10.	STD 1 S14-03260601 (loop 0.17)		21 Aug 106 12::3
6	4	08210606.d	10.	STD 2 S14-04120602 (loop 0.17)		21 Aug 106 12::1
7	5	08210607.d	10.	STD 3 S14-04120602 (loop 1.00)		21 Aug 106 12::3
8	5	08210608.d	10.	STD 4 S14-04120602 (loop 10.47)		21 Aug 106 12::4
9	5	08210609.d	10.	STD 5 S14-~~05~~ 04120602 (loop 18.0)		21 Aug 106 12::5
10	5	08210610.d	10.	lab air	WA 12/11/06	21 Aug 106 12::1
11	5	08210611.d	10.	icv		21 Aug 106 12::2
12	5	08210612.d	10.	ICV S14-07110501		21 Aug 106 12::5
13	5	08210613.d	10.	blank		21 Aug 106 12::1

COLUMBIA ANALYTICAL SERVICES
SAMPLE RUN LOG
ID: HP 5890 SERIES II / GC1

DATE: 12 / 19 / 2006 *DATA SYSTEM*: HP Chemstation *ANALYSIS:* ___25C ___25C(MOD.) ___3C ✓ ___3C(MOD.)

INJECTOR: PACKED COLUMN
VALVE SYSTEM:
3C ___ REGULAR LOOP (100µL) ___ OTHER _____
25C ___ REGULAR LOOP (500µL) ___ SMALL LOOP (7.33:1)

COLUMN ID's:
___8' X 1/8" CARBOSPHERE
___4' X 1/8" TENAX / HAYSEP Q / CARBOSPHERE

TEMPERATURE PROGRAMMING:
INITIAL AT 50 °C FOR 2 min
RAMP RATE 30 °C/min TO 200 °C HOLD FOR 1 min

CARRIER GAS: He 25.1 mL/min

DETECTOR INFO: HP TCD #1: 260 °C SENSITIVITY: INITIAL HIGH, 1.5 min LOW
HP FID #1: 280 °C POLARITY: INITIAL NEGATIVE, 1.5 min POSITIVE

DATA PATHWAY: J:\GC1\DATA Fxgs /2006-12/19 **METHOD FILE NAME: J:\GC1\METHODS** 3C082106 **.M**

	DATA FILE HEADER INFO	CLIENT	ANALYST
01	STD 50000ppm S14-09010603		WG
02	MB		
03	MB		
04	Lab Air		
05	LCS S14-12150601		
06	3470-001		
07	3406 002		
08	003		
09	004		
10	004 Dup		
11	005		
12	001		
13	006		
14	012		
15	STD 50000ppm S14-09010603		
16	3406-011		
17	010		
18	009		
19	007		
20	008		
21	3406-008		WG
22	008 Dup		
23	STD 50000ppm S14-09010603		
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			

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COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-50-12-10-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-001

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00589

Date Collected: 12/10/06
Date Received: 12/12/06
Date(s) Analyzed: 12/19/06
Volume(s) Analyzed: 0.25 Liter(s)

Pi 1 = -3.7 Pf 1 = 3.6

Can D.F. = 1.66

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	6.6	ND	3.2	
75-01-4	Vinyl Chloride	ND	6.6	ND	2.6	
74-83-9	Bromomethane	ND	6.6	ND	1.7	
75-00-3	Chloroethane	ND	6.6	ND	2.5	
67-64-1	Acetone	ND	33	ND	14	
75-69-4	Trichlorofluoromethane	ND	6.6	ND	1.2	
75-35-4	1,1-Dichloroethene	ND	6.6	ND	1.7	
75-09-2	Methylene chloride	ND	6.6	ND	1.9	
76-13-1	Trichlorotrifluoroethane	ND	6.6	ND	0.87	
75-15-0	Carbon Disulfide	ND	6.6	ND	2.1	
156-60-5	trans-1,2-Dichloroethene	ND	6.6	ND	1.7	
75-34-3	1,1-Dichloroethane	ND	6.6	ND	1.6	
1634-04-4	Methyl tert-Butyl Ether	ND	6.6	ND	1.8	
108-05-4	Vinyl Acetate	ND	6.6	ND	1.9	
78-93-3	2-Butanone (MEK)	**7.8**	6.6	**2.6**	2.3	
156-59-2	cis-1,2-Dichloroethene	ND	6.6	ND	1.7	
67-66-3	Chloroform	ND	6.6	ND	1.4	
107-06-2	1,2-Dichloroethane	ND	6.6	ND	1.6	
71-55-6	1,1,1-Trichloroethane	ND	6.6	ND	1.2	
71-43-2	Benzene	ND	6.6	ND	2.1	
56-23-5	Carbon Tetrachloride	ND	6.6	ND	1.1	
78-87-5	1,2-Dichloropropane	ND	6.6	ND	1.4	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-50-12-10-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-001

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00589

Date Collected: 12/10/06
Date Received: 12/12/06
Date(s) Analyzed: 12/19/06
Volume(s) Analyzed: 0.25 Liter(s)

Pi 1 = -3.7 Pf 1 = 3.6

Can D.F. = 1.66

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	6.6	ND	0.99	
79-01-6	Trichloroethene	ND	6.6	ND	1.2	
10061-01-5	cis-1,3-Dichloropropene	ND	6.6	ND	1.5	
108-10-1	4-Methyl-2-pentanone	ND	6.6	ND	1.6	
10061-02-6	trans-1,3-Dichloropropene	ND	6.6	ND	1.5	
79-00-5	1,1,2-Trichloroethane	ND	6.6	ND	1.2	
108-88-3	Toluene	**8.3**	6.6	**2.2**	1.8	
591-78-6	2-Hexanone	ND	6.6	ND	1.6	
124-48-1	Dibromochloromethane	ND	6.6	ND	0.78	
106-93-4	1,2-Dibromoethane	ND	6.6	ND	0.86	
127-18-4	Tetrachloroethene	ND	6.6	ND	0.98	
108-90-7	Chlorobenzene	ND	6.6	ND	1.4	
100-41-4	Ethylbenzene	ND	6.6	ND	1.5	
179601-23-1	*m,p* -Xylenes	**12**	6.6	**2.8**	1.5	
75-25-2	Bromoform	ND	6.6	ND	0.64	
100-42-5	Styrene	ND	6.6	ND	1.6	
95-47-6	o-Xylene	ND	6.6	ND	1.5	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.6	ND	0.97	
541-73-1	1,3-Dichlorobenzene	ND	6.6	ND	1.1	
106-46-7	1,4-Dichlorobenzene	ND	6.6	ND	1.1	
95-50-1	1,2-Dichlorobenzene	ND	6.6	ND	1.1	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-28-12-10-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-002

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00926

Date Collected: 12/10/06
Date Received: 12/12/06
Date(s) Analyzed: 12/18/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.2 Pf 1 = 3.6

Can D.F. = 1.59

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.6	ND	0.77	
75-01-4	Vinyl Chloride	ND	1.6	ND	0.62	
74-83-9	Bromomethane	ND	1.6	ND	0.41	
75-00-3	Chloroethane	ND	1.6	ND	0.60	
67-64-1	Acetone	**30**	8.0	**13**	3.3	
75-69-4	Trichlorofluoromethane	**2.0**	1.6	**0.35**	0.28	
75-35-4	1,1-Dichloroethene	ND	1.6	ND	0.40	
75-09-2	Methylene chloride	**2.6**	1.6	**0.73**	0.46	
76-13-1	Trichlorotrifluoroethane	ND	1.6	ND	0.21	
75-15-0	Carbon Disulfide	ND	1.6	ND	0.51	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	ND	0.40	
75-34-3	1,1-Dichloroethane	ND	1.6	ND	0.39	
1634-04-4	Methyl tert-Butyl Ether	ND	1.6	ND	0.44	
108-05-4	Vinyl Acetate	ND	1.6	ND	0.45	
78-93-3	2-Butanone (MEK)	**3.7**	1.6	**1.3**	0.54	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	ND	0.40	
67-66-3	Chloroform	ND	1.6	ND	0.33	
107-06-2	1,2-Dichloroethane	ND	1.6	ND	0.39	
71-55-6	1,1,1-Trichloroethane	ND	1.6	ND	0.29	
71-43-2	Benzene	ND	1.6	ND	0.50	
56-23-5	Carbon Tetrachloride	ND	1.6	ND	0.25	
78-87-5	1,2-Dichloropropane	ND	1.6	ND	0.34	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit.**
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RLS Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-28-12-10-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-002

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00926

Date Collected: 12/10/06
Date Received: 12/12/06
Date(s) Analyzed: 12/18/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.2 Pf 1 = 3.6

Can D.F. = 1.59

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.6	ND	0.24	
79-01-6	Trichloroethene	ND	1.6	ND	0.30	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	ND	0.35	
108-10-1	4-Methyl-2-pentanone	ND	1.6	ND	0.39	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	ND	0.35	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ND	0.29	
108-88-3	Toluene	**7.9**	1.6	**2.1**	0.42	
591-78-6	2-Hexanone	ND	1.6	ND	0.39	
124-48-1	Dibromochloromethane	ND	1.6	ND	0.19	
106-93-4	1,2-Dibromoethane	ND	1.6	ND	0.21	
127-18-4	Tetrachloroethene	ND	1.6	ND	0.23	
108-90-7	Chlorobenzene	ND	1.6	ND	0.35	
100-41-4	Ethylbenzene	ND	1.6	ND	0.37	
179601-23-1	*m,p*-Xylenes	**5.5**	1.6	**1.3**	0.37	
75-25-2	Bromoform	ND	1.6	ND	0.15	
100-42-5	Styrene	ND	1.6	ND	0.37	
95-47-6	o-Xylene	**2.4**	1.6	**0.56**	0.37	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	ND	0.23	
541-73-1	1,3-Dichlorobenzene	ND	1.6	ND	0.26	
106-46-7	1,4-Dichlorobenzene	ND	1.6	ND	0.26	
95-50-1	1,2-Dichlorobenzene	ND	1.6	ND	0.26	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-24-12-10-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-003

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00594

Date Collected: 12/10/06
Date Received: 12/12/06
Date(s) Analyzed: 12/15/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.7 Pf 1 = 3.5

Can D.F. = 1.52

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.5	ND	0.74	
75-01-4	Vinyl Chloride	ND	1.5	ND	0.59	
74-83-9	Bromomethane	ND	1.5	ND	0.39	
75-00-3	Chloroethane	ND	1.5	ND	0.58	
67-64-1	Acetone	**13**	7.6	**5.3**	3.2	
75-69-4	Trichlorofluoromethane	ND	1.5	ND	0.27	
75-35-4	1,1-Dichloroethene	ND	1.5	ND	0.38	
75-09-2	Methylene chloride	ND	1.5	ND	0.44	
76-13-1	Trichlorotrifluoroethane	ND	1.5	ND	0.20	
75-15-0	Carbon Disulfide	ND	1.5	ND	0.49	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	ND	0.38	
75-34-3	1,1-Dichloroethane	ND	1.5	ND	0.38	
1634-04-4	Methyl tert-Butyl Ether	ND	1.5	ND	0.42	
108-05-4	Vinyl Acetate	ND	1.5	ND	0.43	
78-93-3	2-Butanone (MEK)	ND	1.5	ND	0.52	
156-59-2	cis-1,2-Dichloroethene	ND	1.5	ND	0.38	
67-66-3	Chloroform	ND	1.5	ND	0.31	
107-06-2	1,2-Dichloroethane	ND	1.5	ND	0.38	
71-55-6	1,1,1-Trichloroethane	ND	1.5	ND	0.28	
71-43-2	Benzene	ND	1.5	ND	0.48	
56-23-5	Carbon Tetrachloride	ND	1.5	ND	0.24	
78-87-5	1,2-Dichloropropane	ND	1.5	ND	0.33	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit.**
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-24-12-10-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-003

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00594

Date Collected: 12/10/06
Date Received: 12/12/06
Date(s) Analyzed: 12/15/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.7 Pf 1 = 3.5

Can D.F. = 1.52

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.5	ND	0.23	
79-01-6	Trichloroethene	ND	1.5	ND	0.28	
10061-01-5	cis-1,3-Dichloropropene	ND	1.5	ND	0.33	
108-10-1	4-Methyl-2-pentanone	ND	1.5	ND	0.37	
10061-02-6	trans-1,3-Dichloropropene	ND	1.5	ND	0.33	
79-00-5	1,1,2-Trichloroethane	ND	1.5	ND	0.28	
108-88-3	Toluene	**3.0**	1.5	**0.79**	0.40	
591-78-6	2-Hexanone	ND	1.5	ND	0.37	
124-48-1	Dibromochloromethane	ND	1.5	ND	0.18	
106-93-4	1,2-Dibromoethane	ND	1.5	ND	0.20	
127-18-4	Tetrachloroethene	ND	1.5	ND	0.22	
108-90-7	Chlorobenzene	ND	1.5	ND	0.33	
100-41-4	Ethylbenzene	ND	1.5	ND	0.35	
179601-23-1	*m,p*-Xylenes	ND	1.5	ND	0.35	
75-25-2	Bromoform	ND	1.5	ND	0.15	
100-42-5	Styrene	ND	1.5	ND	0.36	
95-47-6	o-Xylene	ND	1.5	ND	0.35	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.5	ND	0.22	
541-73-1	1,3-Dichlorobenzene	ND	1.5	ND	0.25	
106-46-7	1,4-Dichlorobenzene	ND	1.5	ND	0.25	
95-50-1	1,2-Dichlorobenzene	ND	1.5	ND	0.25	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-24-12-10-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-003DUP

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00594

Date Collected: 12/10/06
Date Received: 12/12/06
Date(s) Analyzed: 12/15/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.7 Pf 1 = 3.5

Can D.F. = 1.52

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.5	ND	0.74	
75-01-4	Vinyl Chloride	ND	1.5	ND	0.59	
74-83-9	Bromomethane	ND	1.5	ND	0.39	
75-00-3	Chloroethane	ND	1.5	ND	0.58	
67-64-1	Acetone	**13**	7.6	**5.3**	3.2	
75-69-4	Trichlorofluoromethane	ND	1.5	ND	0.27	
75-35-4	1,1-Dichloroethene	ND	1.5	ND	0.38	
75-09-2	Methylene chloride	ND	1.5	ND	0.44	
76-13-1	Trichlorotrifluoroethane	ND	1.5	ND	0.20	
75-15-0	Carbon Disulfide	ND	1.5	ND	0.49	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	ND	0.38	
75-34-3	1,1-Dichloroethane	ND	1.5	ND	0.38	
1634-04-4	Methyl tert-Butyl Ether	ND	1.5	ND	0.42	
108-05-4	Vinyl Acetate	ND	1.5	ND	0.43	
78-93-3	2-Butanone (MEK)	ND	1.5	ND	0.52	
156-59-2	cis-1,2-Dichloroethene	ND	1.5	ND	0.38	
67-66-3	Chloroform	ND	1.5	ND	0.31	
107-06-2	1,2-Dichloroethane	ND	1.5	ND	0.38	
71-55-6	1,1,1-Trichloroethane	ND	1.5	ND	0.28	
71-43-2	Benzene	ND	1.5	ND	0.48	
56-23-5	Carbon Tetrachloride	ND	1.5	ND	0.24	
78-87-5	1,2-Dichloropropane	ND	1.5	ND	0.33	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit.**
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-24-12-10-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-003DUP

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00594

Date Collected: 12/10/06
Date Received: 12/12/06
Date(s) Analyzed: 12/15/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.7 Pf 1 = 3.5

Can D.F. = 1.52

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.5	ND	0.23	
79-01-6	Trichloroethene	ND	1.5	ND	0.28	
10061-01-5	cis-1,3-Dichloropropene	ND	1.5	ND	0.33	
108-10-1	4-Methyl-2-pentanone	ND	1.5	ND	0.37	
10061-02-6	trans-1,3-Dichloropropene	ND	1.5	ND	0.33	
79-00-5	1,1,2-Trichloroethane	ND	1.5	ND	0.28	
108-88-3	Toluene	**2.9**	1.5	**0.78**	0.40	
591-78-6	2-Hexanone	ND	1.5	ND	0.37	
124-48-1	Dibromochloromethane	ND	1.5	ND	0.18	
106-93-4	1,2-Dibromoethane	ND	1.5	ND	0.20	
127-18-4	Tetrachloroethene	ND	1.5	ND	0.22	
108-90-7	Chlorobenzene	ND	1.5	ND	0.33	
100-41-4	Ethylbenzene	ND	1.5	ND	0.35	
179601-23-1	*m,p* -Xylenes	ND	1.5	ND	0.35	
75-25-2	Bromoform	ND	1.5	ND	0.15	
100-42-5	Styrene	ND	1.5	ND	0.36	
95-47-6	o-Xylene	ND	1.5	ND	0.35	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.5	ND	0.22	
541-73-1	1,3-Dichlorobenzene	ND	1.5	ND	0.25	
106-46-7	1,4-Dichlorobenzene	ND	1.5	ND	0.25	
95-50-1	1,2-Dichlorobenzene	ND	1.5	ND	0.25	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: Rc Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-24B-12-10-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-004

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00756

Date Collected: 12/10/06
Date Received: 12/12/06
Date(s) Analyzed: 12/18/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.5 Pf 1 = 3.5

Can D.F. = 1.49

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.5	ND	0.72	
75-01-4	Vinyl Chloride	ND	1.5	ND	0.58	
74-83-9	Bromomethane	ND	1.5	ND	0.38	
75-00-3	Chloroethane	ND	1.5	ND	0.56	
67-64-1	Acetone	**70**	7.5	**29**	3.1	
75-69-4	Trichlorofluoromethane	ND	1.5	ND	0.27	
75-35-4	1,1-Dichloroethene	ND	1.5	ND	0.38	
75-09-2	Methylene chloride	**1.5**	1.5	**0.44**	0.43	
76-13-1	Trichlorotrifluoroethane	ND	1.5	ND	0.19	
75-15-0	Carbon Disulfide	ND	1.5	ND	0.48	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	ND	0.38	
75-34-3	1,1-Dichloroethane	ND	1.5	ND	0.37	
1634-04-4	Methyl tert-Butyl Ether	ND	1.5	ND	0.41	
108-05-4	Vinyl Acetate	ND	1.5	ND	0.42	
78-93-3	2-Butanone (MEK)	**3.0**	1.5	**1.0**	0.51	
156-59-2	cis-1,2-Dichloroethene	ND	1.5	ND	0.38	
67-66-3	Chloroform	ND	1.5	ND	0.31	
107-06-2	1,2-Dichloroethane	ND	1.5	ND	0.37	
71-55-6	1,1,1-Trichloroethane	ND	1.5	ND	0.27	
71-43-2	Benzene	**1.5**	1.5	**0.48**	0.47	
56-23-5	Carbon Tetrachloride	ND	1.5	ND	0.24	
78-87-5	1,2-Dichloropropane	ND	1.5	ND	0.32	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit.**
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RL Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-24B-12-10-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-004

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00756

Date Collected: 12/10/06
Date Received: 12/12/06
Date(s) Analyzed: 12/18/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.5 Pf 1 = 3.5

Can D.F. = 1.49

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.5	ND	0.22	
79-01-6	Trichloroethene	ND	1.5	ND	0.28	
10061-01-5	cis-1,3-Dichloropropene	ND	1.5	ND	0.33	
108-10-1	4-Methyl-2-pentanone	ND	1.5	ND	0.36	
10061-02-6	trans-1,3-Dichloropropene	ND	1.5	ND	0.33	
79-00-5	1,1,2-Trichloroethane	ND	1.5	ND	0.27	
108-88-3	Toluene	**8.6**	1.5	**2.3**	0.40	
591-78-6	2-Hexanone	ND	1.5	ND	0.36	
124-48-1	Dibromochloromethane	ND	1.5	ND	0.17	
106-93-4	1,2-Dibromoethane	ND	1.5	ND	0.19	
127-18-4	Tetrachloroethene	ND	1.5	ND	0.22	
108-90-7	Chlorobenzene	ND	1.5	ND	0.32	
100-41-4	Ethylbenzene	ND	1.5	ND	0.34	
179601-23-1	*m,p*-Xylenes	**3.9**	1.5	**0.90**	0.34	
75-25-2	Bromoform	ND	1.5	ND	0.14	
100-42-5	Styrene	ND	1.5	ND	0.35	
95-47-6	o-Xylene	ND	1.5	ND	0.34	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.5	ND	0.22	
541-73-1	1,3-Dichlorobenzene	ND	1.5	ND	0.25	
106-46-7	1,4-Dichlorobenzene	ND	1.5	ND	0.25	
95-50-1	1,2-Dichlorobenzene	ND	1.5	ND	0.25	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RLS Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-03B-12-10-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-005

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00404

Date Collected: 12/10/06
Date Received: 12/12/06
Date(s) Analyzed: 12/18/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.6 Pf 1 = 3.8

Can D.F. = 1.53

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.5	ND	0.74	
75-01-4	Vinyl Chloride	ND	1.5	ND	0.60	
74-83-9	Bromomethane	ND	1.5	ND	0.39	
75-00-3	Chloroethane	ND	1.5	ND	0.58	
67-64-1	Acetone	**54**	7.7	**23**	3.2	
75-69-4	Trichlorofluoromethane	**1.5**	1.5	**0.27**	0.27	
75-35-4	1,1-Dichloroethene	ND	1.5	ND	0.39	
75-09-2	Methylene chloride	**20**	1.5	**5.8**	0.44	
76-13-1	Trichlorotrifluoroethane	ND	1.5	ND	0.20	
75-15-0	Carbon Disulfide	ND	1.5	ND	0.49	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	ND	0.39	
75-34-3	1,1-Dichloroethane	ND	1.5	ND	0.38	
1634-04-4	Methyl tert-Butyl Ether	ND	1.5	ND	0.42	
108-05-4	Vinyl Acetate	ND	1.5	ND	0.43	
78-93-3	2-Butanone (MEK)	**19**	1.5	**6.5**	0.52	
156-59-2	cis-1,2-Dichloroethene	ND	1.5	ND	0.39	
67-66-3	Chloroform	ND	1.5	ND	0.31	
107-06-2	1,2-Dichloroethane	ND	1.5	ND	0.38	
71-55-6	1,1,1-Trichloroethane	ND	1.5	ND	0.28	
71-43-2	Benzene	**12**	1.5	**3.8**	0.48	
56-23-5	Carbon Tetrachloride	ND	1.5	ND	0.24	
78-87-5	1,2-Dichloropropane	ND	1.5	ND	0.33	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit.**
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RL Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-03B-12-10-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-005

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00404

Date Collected: 12/10/06
Date Received: 12/12/06
Date(s) Analyzed: 12/18/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.6 Pf 1 = 3.8

Can D.F. = 1.53

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.5	ND	0.23	
79-01-6	Trichloroethene	ND	1.5	ND	0.28	
10061-01-5	cis-1,3-Dichloropropene	ND	1.5	ND	0.34	
108-10-1	4-Methyl-2-pentanone	ND	1.5	ND	0.37	
10061-02-6	trans-1,3-Dichloropropene	ND	1.5	ND	0.34	
79-00-5	1,1,2-Trichloroethane	ND	1.5	ND	0.28	
108-88-3	Toluene	**10**	1.5	**2.7**	0.41	
591-78-6	2-Hexanone	ND	1.5	ND	0.37	
124-48-1	Dibromochloromethane	ND	1.5	ND	0.18	
106-93-4	1,2-Dibromoethane	ND	1.5	ND	0.20	
127-18-4	Tetrachloroethene	ND	1.5	ND	0.23	
108-90-7	Chlorobenzene	ND	1.5	ND	0.33	
100-41-4	Ethylbenzene	**3.2**	1.5	**0.73**	0.35	
179601-23-1	*m,p* -Xylenes	**14**	1.5	**3.2**	0.35	
75-25-2	Bromoform	ND	1.5	ND	0.15	
100-42-5	Styrene	ND	1.5	ND	0.36	
95-47-6	o-Xylene	**4.6**	1.5	**1.1**	0.35	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.5	ND	0.22	
541-73-1	1,3-Dichlorobenzene	ND	1.5	ND	0.25	
106-46-7	1,4-Dichlorobenzene	ND	1.5	ND	0.25	
95-50-1	1,2-Dichlorobenzene	ND	1.5	ND	0.25	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RL Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-03B-12-10-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-005DUP

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00404

Date Collected: 12/10/06
Date Received: 12/12/06
Date(s) Analyzed: 12/18/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.6 Pf 1 = 3.8

Can D.F. = 1.53

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.5	ND	0.74	
75-01-4	Vinyl Chloride	ND	1.5	ND	0.60	
74-83-9	Bromomethane	ND	1.5	ND	0.39	
75-00-3	Chloroethane	ND	1.5	ND	0.58	
67-64-1	Acetone	**54**	7.7	**23**	3.2	
75-69-4	Trichlorofluoromethane	ND	1.5	ND	0.27	
75-35-4	1,1-Dichloroethene	ND	1.5	ND	0.39	
75-09-2	Methylene chloride	**20**	1.5	**5.8**	0.44	
76-13-1	Trichlorotrifluoroethane	ND	1.5	ND	0.20	
75-15-0	Carbon Disulfide	ND	1.5	ND	0.49	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	ND	0.39	
75-34-3	1,1-Dichloroethane	ND	1.5	ND	0.38	
1634-04-4	Methyl tert-Butyl Ether	ND	1.5	ND	0.42	
108-05-4	Vinyl Acetate	ND	1.5	ND	0.43	
78-93-3	2-Butanone (MEK)	**19**	1.5	**6.4**	0.52	
156-59-2	cis-1,2-Dichloroethene	ND	1.5	ND	0.39	
67-66-3	Chloroform	ND	1.5	ND	0.31	
107-06-2	1,2-Dichloroethane	ND	1.5	ND	0.38	
71-55-6	1,1,1-Trichloroethane	ND	1.5	ND	0.28	
71-43-2	Benzene	**12**	1.5	**3.9**	0.48	
56-23-5	Carbon Tetrachloride	ND	1.5	ND	0.24	
78-87-5	1,2-Dichloropropane	ND	1.5	ND	0.33	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit.**
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-03B-12-10-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-005DUP

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00404

Date Collected: 12/10/06
Date Received: 12/12/06
Date(s) Analyzed: 12/18/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.6 Pf 1 = 3.8

Can D.F. = 1.53

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.5	ND	0.23	
79-01-6	Trichloroethene	ND	1.5	ND	0.28	
10061-01-5	cis-1,3-Dichloropropene	ND	1.5	ND	0.34	
108-10-1	4-Methyl-2-pentanone	ND	1.5	ND	0.37	
10061-02-6	trans-1,3-Dichloropropene	ND	1.5	ND	0.34	
79-00-5	1,1,2-Trichloroethane	ND	1.5	ND	0.28	
108-88-3	Toluene	**10**	1.5	**2.8**	0.41	
591-78-6	2-Hexanone	ND	1.5	ND	0.37	
124-48-1	Dibromochloromethane	ND	1.5	ND	0.18	
106-93-4	1,2-Dibromoethane	ND	1.5	ND	0.20	
127-18-4	Tetrachloroethene	ND	1.5	ND	0.23	
108-90-7	Chlorobenzene	ND	1.5	ND	0.33	
100-41-4	Ethylbenzene	**3.3**	1.5	**0.75**	0.35	
179601-23-1	*m,p* -Xylenes	**14**	1.5	**3.2**	0.35	
75-25-2	Bromoform	ND	1.5	ND	0.15	
100-42-5	Styrene	ND	1.5	ND	0.36	
95-47-6	o-Xylene	**4.8**	1.5	**1.1**	0.35	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.5	ND	0.22	
541-73-1	1,3-Dichlorobenzene	ND	1.5	ND	0.25	
106-46-7	1,4-Dichlorobenzene	ND	1.5	ND	0.25	
95-50-1	1,2-Dichlorobenzene	ND	1.5	ND	0.25	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-50-12-10-06-SC**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-006

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: AC01273

Date Collected: 12/10/06
Date Received: 12/12/06
Date(s) Analyzed: 12/19/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.8 Pf 1 = 3.5

Can D.F. = 1.53

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.5	ND	0.74	
75-01-4	Vinyl Chloride	ND	1.5	ND	0.60	
74-83-9	Bromomethane	ND	1.5	ND	0.39	
75-00-3	Chloroethane	ND	1.5	ND	0.58	
67-64-1	Acetone	**49**	7.7	**20**	3.2	**M**
75-69-4	Trichlorofluoromethane	ND	1.5	ND	0.27	
75-35-4	1,1-Dichloroethene	ND	1.5	ND	0.39	
75-09-2	Methylene chloride	ND	1.5	ND	0.44	
76-13-1	Trichlorotrifluoroethane	ND	1.5	ND	0.20	
75-15-0	Carbon Disulfide	ND	1.5	ND	0.49	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	ND	0.39	
75-34-3	1,1-Dichloroethane	ND	1.5	ND	0.38	
1634-04-4	Methyl tert-Butyl Ether	ND	1.5	ND	0.42	
108-05-4	Vinyl Acetate	**7.1**	1.5	**2.0**	0.43	
78-93-3	2-Butanone (MEK)	**9.8**	1.5	**3.3**	0.52	
156-59-2	cis-1,2-Dichloroethene	ND	1.5	ND	0.39	
67-66-3	Chloroform	ND	1.5	ND	0.31	
107-06-2	1,2-Dichloroethane	ND	1.5	ND	0.38	
71-55-6	1,1,1-Trichloroethane	ND	1.5	ND	0.28	
71-43-2	Benzene	**2.7**	1.5	**0.85**	0.48	
56-23-5	Carbon Tetrachloride	ND	1.5	ND	0.24	
78-87-5	1,2-Dichloropropane	ND	1.5	ND	0.33	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit.**
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
M = Matrix interference; results may be biased high.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-50-12-10-06-SC**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-006

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: AC01273

Date Collected: 12/10/06
Date Received: 12/12/06
Date(s) Analyzed: 12/19/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.8 Pf 1 = 3.5

Can D.F. = 1.53

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.5	ND	0.23	
79-01-6	Trichloroethene	ND	1.5	ND	0.28	
10061-01-5	cis-1,3-Dichloropropene	ND	1.5	ND	0.34	
108-10-1	4-Methyl-2-pentanone	ND	1.5	ND	0.37	
10061-02-6	trans-1,3-Dichloropropene	ND	1.5	ND	0.34	
79-00-5	1,1,2-Trichloroethane	ND	1.5	ND	0.28	
108-88-3	Toluene	**8.2**	1.5	**2.2**	0.41	
591-78-6	2-Hexanone	ND	1.5	ND	0.37	
124-48-1	Dibromochloromethane	ND	1.5	ND	0.18	
106-93-4	1,2-Dibromoethane	ND	1.5	ND	0.20	
127-18-4	Tetrachloroethene	ND	1.5	ND	0.23	
108-90-7	Chlorobenzene	ND	1.5	ND	0.33	
100-41-4	Ethylbenzene	**3.0**	1.5	**0.70**	0.35	
179601-23-1	*m,p*-Xylenes	**13**	1.5	**3.0**	0.35	
75-25-2	Bromoform	ND	1.5	ND	0.15	
100-42-5	Styrene	ND	1.5	ND	0.36	
95-47-6	o-Xylene	**4.8**	1.5	**1.1**	0.35	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.5	ND	0.22	
541-73-1	1,3-Dichlorobenzene	ND	1.5	ND	0.25	
106-46-7	1,4-Dichlorobenzene	ND	1.5	ND	0.25	
95-50-1	1,2-Dichlorobenzene	ND	1.5	ND	0.25	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: Ru Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-31-S-12-12-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-007

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00037

Date Collected: 12/12/06
Date Received: 12/12/06
Date(s) Analyzed: 12/19/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.5 Pf 1 = 3.5

Can D.F. = 1.49

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.5	ND	0.72	
75-01-4	Vinyl Chloride	ND	1.5	ND	0.58	
74-83-9	Bromomethane	ND	1.5	ND	0.38	
75-00-3	Chloroethane	ND	1.5	ND	0.56	
67-64-1	Acetone	**11**	7.5	**4.8**	3.1	
75-69-4	Trichlorofluoromethane	**1.8**	1.5	**0.33**	0.27	
75-35-4	1,1-Dichloroethene	ND	1.5	ND	0.38	
75-09-2	Methylene chloride	ND	1.5	ND	0.43	
76-13-1	Trichlorotrifluoroethane	ND	1.5	ND	0.19	
75-15-0	Carbon Disulfide	ND	1.5	ND	0.48	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	ND	0.38	
75-34-3	1,1-Dichloroethane	ND	1.5	ND	0.37	
1634-04-4	Methyl tert-Butyl Ether	ND	1.5	ND	0.41	
108-05-4	Vinyl Acetate	**1.5**	1.5	**0.44**	0.42	**M**
78-93-3	2-Butanone (MEK)	ND	1.5	ND	0.51	
156-59-2	cis-1,2-Dichloroethene	ND	1.5	ND	0.38	
67-66-3	Chloroform	ND	1.5	ND	0.31	
107-06-2	1,2-Dichloroethane	ND	1.5	ND	0.37	
71-55-6	1,1,1-Trichloroethane	ND	1.5	ND	0.27	
71-43-2	Benzene	**13**	1.5	**4.1**	0.47	
56-23-5	Carbon Tetrachloride	ND	1.5	ND	0.24	
78-87-5	1,2-Dichloropropane	ND	1.5	ND	0.32	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
M = Matrix interference; results may be biased high.

Verified By: RL Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-31-S-12-12-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-007

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00037

Date Collected: 12/12/06
Date Received: 12/12/06
Date(s) Analyzed: 12/19/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.5 Pf 1 = 3.5

Can D.F. = 1.49

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.5	ND	0.22	
79-01-6	Trichloroethene	ND	1.5	ND	0.28	
10061-01-5	cis-1,3-Dichloropropene	ND	1.5	ND	0.33	
108-10-1	4-Methyl-2-pentanone	ND	1.5	ND	0.36	
10061-02-6	trans-1,3-Dichloropropene	ND	1.5	ND	0.33	
79-00-5	1,1,2-Trichloroethane	ND	1.5	ND	0.27	
108-88-3	Toluene	**6.1**	1.5	**1.6**	0.40	
591-78-6	2-Hexanone	ND	1.5	ND	0.36	
124-48-1	Dibromochloromethane	ND	1.5	ND	0.17	
106-93-4	1,2-Dibromoethane	ND	1.5	ND	0.19	
127-18-4	Tetrachloroethene	**27**	1.5	**3.9**	0.22	
108-90-7	Chlorobenzene	ND	1.5	ND	0.32	
100-41-4	Ethylbenzene	**2.2**	1.5	**0.51**	0.34	
179601-23-1	*m,p* -Xylenes	**8.2**	1.5	**1.9**	0.34	
75-25-2	Bromoform	ND	1.5	ND	0.14	
100-42-5	Styrene	**2.3**	1.5	**0.54**	0.35	
95-47-6	o-Xylene	**2.7**	1.5	**0.62**	0.34	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.5	ND	0.22	
541-73-1	1,3-Dichlorobenzene	ND	1.5	ND	0.25	
106-46-7	1,4-Dichlorobenzene	ND	1.5	ND	0.25	
95-50-1	1,2-Dichlorobenzene	ND	1.5	ND	0.25	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-31-D-12-12-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-008

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00203

Date Collected: 12/12/06
Date Received: 12/12/06
Date(s) Analyzed: 12/20/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.6 Pf 1 = 3.5

Can D.F. = 1.64

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.6	ND	0.79	
75-01-4	Vinyl Chloride	ND	1.6	ND	0.64	
74-83-9	Bromomethane	ND	1.6	ND	0.42	
75-00-3	Chloroethane	ND	1.6	ND	0.62	
67-64-1	Acetone	**12**	8.2	**4.9**	3.5	
75-69-4	Trichlorofluoromethane	**2.5**	1.6	**0.44**	0.29	
75-35-4	1,1-Dichloroethene	ND	1.6	ND	0.41	
75-09-2	Methylene chloride	ND	1.6	ND	0.47	
76-13-1	Trichlorotrifluoroethane	ND	1.6	ND	0.21	
75-15-0	Carbon Disulfide	ND	1.6	ND	0.53	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	ND	0.41	
75-34-3	1,1-Dichloroethane	ND	1.6	ND	0.41	
1634-04-4	Methyl tert-Butyl Ether	ND	1.6	ND	0.46	
108-05-4	Vinyl Acetate	ND	1.6	ND	0.47	
78-93-3	2-Butanone (MEK)	ND	1.6	ND	0.56	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	ND	0.41	
67-66-3	Chloroform	ND	1.6	ND	0.34	
107-06-2	1,2-Dichloroethane	ND	1.6	ND	0.41	
71-55-6	1,1,1-Trichloroethane	ND	1.6	ND	0.30	
71-43-2	Benzene	**13**	1.6	**4.1**	0.51	
56-23-5	Carbon Tetrachloride	ND	1.6	ND	0.26	
78-87-5	1,2-Dichloropropane	ND	1.6	ND	0.35	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-31-D-12-12-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-008

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00203

Date Collected: 12/12/06
Date Received: 12/12/06
Date(s) Analyzed: 12/20/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.6 Pf 1 = 3.5

Can D.F. = 1.64

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.6	ND	0.24	
79-01-6	Trichloroethene	**6.6**	1.6	**1.2**	0.31	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	ND	0.36	
108-10-1	4-Methyl-2-pentanone	ND	1.6	ND	0.40	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	ND	0.36	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ND	0.30	
108-88-3	Toluene	**7.2**	1.6	**1.9**	0.44	
591-78-6	2-Hexanone	ND	1.6	ND	0.40	
124-48-1	Dibromochloromethane	ND	1.6	ND	0.19	
106-93-4	1,2-Dibromoethane	ND	1.6	ND	0.21	
127-18-4	Tetrachloroethene	**51**	1.6	**7.5**	0.24	
108-90-7	Chlorobenzene	ND	1.6	ND	0.36	
100-41-4	Ethylbenzene	**2.4**	1.6	**0.54**	0.38	
179601-23-1	*m,p* -Xylenes	**9.4**	1.6	**2.2**	0.38	
75-25-2	Bromoform	ND	1.6	ND	0.16	
100-42-5	Styrene	ND	1.6	ND	0.39	
95-47-6	o-Xylene	**3.1**	1.6	**0.70**	0.38	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	ND	0.24	
541-73-1	1,3-Dichlorobenzene	ND	1.6	ND	0.27	
106-46-7	1,4-Dichlorobenzene	ND	1.6	ND	0.27	
95-50-1	1,2-Dichlorobenzene	ND	1.6	ND	0.27	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-34-D-12-12-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-009

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00592

Date Collected: 12/12/06
Date Received: 12/12/06
Date(s) Analyzed: 12/20/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.7 Pf 1 = 3.5

Can D.F. = 1.65

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.7	ND	0.80	
75-01-4	Vinyl Chloride	ND	1.7	ND	0.65	
74-83-9	Bromomethane	ND	1.7	ND	0.43	
75-00-3	Chloroethane	ND	1.7	ND	0.63	
67-64-1	Acetone	**10**	8.3	**4.2**	3.5	
75-69-4	Trichlorofluoromethane	ND	1.7	ND	0.29	
75-35-4	1,1-Dichloroethene	ND	1.7	ND	0.42	
75-09-2	Methylene chloride	ND	1.7	ND	0.48	
76-13-1	Trichlorotrifluoroethane	**2.2**	1.7	**0.29**	0.22	
75-15-0	Carbon Disulfide	ND	1.7	ND	0.53	
156-60-5	trans-1,2-Dichloroethene	ND	1.7	ND	0.42	
75-34-3	1,1-Dichloroethane	ND	1.7	ND	0.41	
1634-04-4	Methyl tert-Butyl Ether	ND	1.7	ND	0.46	
108-05-4	Vinyl Acetate	ND	1.7	ND	0.47	
78-93-3	2-Butanone (MEK)	ND	1.7	ND	0.56	
156-59-2	cis-1,2-Dichloroethene	ND	1.7	ND	0.42	
67-66-3	Chloroform	**6.3**	1.7	**1.3**	0.34	
107-06-2	1,2-Dichloroethane	ND	1.7	ND	0.41	
71-55-6	1,1,1-Trichloroethane	ND	1.7	ND	0.30	
71-43-2	Benzene	**17**	1.7	**5.4**	0.52	
56-23-5	Carbon Tetrachloride	ND	1.7	ND	0.26	
78-87-5	1,2-Dichloropropane	ND	1.7	ND	0.36	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: WDI-VW-34-D-12-12-06
Client Project ID: WDI

CAS Project ID: P2603406
CAS Sample ID: P2603406-009

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00592

Date Collected: 12/12/06
Date Received: 12/12/06
Date(s) Analyzed: 12/20/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.7 Pf 1 = 3.5

Can D.F. = 1.65

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.7	ND	0.25	
79-01-6	Trichloroethene	**27**	1.7	**5.0**	0.31	
10061-01-5	cis-1,3-Dichloropropene	ND	1.7	ND	0.36	
108-10-1	4-Methyl-2-pentanone	ND	1.7	ND	0.40	
10061-02-6	trans-1,3-Dichloropropene	ND	1.7	ND	0.36	
79-00-5	1,1,2-Trichloroethane	ND	1.7	ND	0.30	
108-88-3	Toluene	**4.5**	1.7	**1.2**	0.44	
591-78-6	2-Hexanone	ND	1.7	ND	0.40	
124-48-1	Dibromochloromethane	ND	1.7	ND	0.19	
106-93-4	1,2-Dibromoethane	ND	1.7	ND	0.21	
127-18-4	Tetrachloroethene	**23**	1.7	**3.4**	0.24	
108-90-7	Chlorobenzene	ND	1.7	ND	0.36	
100-41-4	Ethylbenzene	ND	1.7	ND	0.38	
179601-23-1	*m,p*-Xylenes	**6.7**	1.7	**1.5**	0.38	
75-25-2	Bromoform	ND	1.7	ND	0.16	
100-42-5	Styrene	ND	1.7	ND	0.39	
95-47-6	o-Xylene	**2.3**	1.7	**0.53**	0.38	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.7	ND	0.24	
541-73-1	1,3-Dichlorobenzene	ND	1.7	ND	0.27	
106-46-7	1,4-Dichlorobenzene	ND	1.7	ND	0.27	
95-50-1	1,2-Dichlorobenzene	ND	1.7	ND	0.27	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-34-I-12-12-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-010

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00041

Date Collected: 12/12/06
Date Received: 12/12/06
Date(s) Analyzed: 12/20/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.7 Pf 1 = 3.6

Can D.F. = 1.66

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.7	ND	0.80	
75-01-4	Vinyl Chloride	ND	1.7	ND	0.65	
74-83-9	Bromomethane	ND	1.7	ND	0.43	
75-00-3	Chloroethane	ND	1.7	ND	0.63	
67-64-1	Acetone	**31**	8.3	**13**	3.5	
75-69-4	Trichlorofluoromethane	ND	1.7	ND	0.30	
75-35-4	1,1-Dichloroethene	ND	1.7	ND	0.42	
75-09-2	Methylene chloride	ND	1.7	ND	0.48	
76-13-1	Trichlorotrifluoroethane	ND	1.7	ND	0.22	
75-15-0	Carbon Disulfide	ND	1.7	ND	0.53	
156-60-5	trans-1,2-Dichloroethene	ND	1.7	ND	0.42	
75-34-3	1,1-Dichloroethane	ND	1.7	ND	0.41	
1634-04-4	Methyl tert-Butyl Ether	ND	1.7	ND	0.46	
108-05-4	Vinyl Acetate	ND	1.7	ND	0.47	
78-93-3	2-Butanone (MEK)	**3.5**	1.7	**1.2**	0.56	
156-59-2	cis-1,2-Dichloroethene	ND	1.7	ND	0.42	
67-66-3	Chloroform	ND	1.7	ND	0.34	
107-06-2	1,2-Dichloroethane	ND	1.7	ND	0.41	
71-55-6	1,1,1-Trichloroethane	ND	1.7	ND	0.30	
71-43-2	Benzene	**9.8**	1.7	**3.1**	0.52	
56-23-5	Carbon Tetrachloride	ND	1.7	ND	0.26	
78-87-5	1,2-Dichloropropane	ND	1.7	ND	0.36	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-34-I-12-12-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-010

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00041

Date Collected: 12/12/06
Date Received: 12/12/06
Date(s) Analyzed: 12/20/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.7 Pf 1 = 3.6

Can D.F. = 1.66

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.7	ND	0.25	
79-01-6	Trichloroethene	ND	1.7	ND	0.31	
10061-01-5	cis-1,3-Dichloropropene	ND	1.7	ND	0.37	
108-10-1	4-Methyl-2-pentanone	ND	1.7	ND	0.41	
10061-02-6	trans-1,3-Dichloropropene	ND	1.7	ND	0.37	
79-00-5	1,1,2-Trichloroethane	ND	1.7	ND	0.30	
108-88-3	Toluene	**11**	1.7	**2.9**	0.44	
591-78-6	2-Hexanone	ND	1.7	ND	0.41	
124-48-1	Dibromochloromethane	ND	1.7	ND	0.19	
106-93-4	1,2-Dibromoethane	ND	1.7	ND	0.22	
127-18-4	Tetrachloroethene	ND	1.7	ND	0.24	
108-90-7	Chlorobenzene	ND	1.7	ND	0.36	
100-41-4	Ethylbenzene	ND	1.7	ND	0.38	
179601-23-1	*m,p*-Xylenes	**6.7**	1.7	**1.5**	0.38	
75-25-2	Bromoform	ND	1.7	ND	0.16	
100-42-5	Styrene	ND	1.7	ND	0.39	
95-47-6	o-Xylene	**2.3**	1.7	**0.52**	0.38	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.7	ND	0.24	
541-73-1	1,3-Dichlorobenzene	ND	1.7	ND	0.28	
106-46-7	1,4-Dichlorobenzene	ND	1.7	ND	0.28	
95-50-1	1,2-Dichlorobenzene	ND	1.7	ND	0.28	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-34-I-12-12-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-010DUP

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00041

Date Collected: 12/12/06
Date Received: 12/12/06
Date(s) Analyzed: 12/20/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.7 Pf 1 = 3.6

Can D.F. = 1.66

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.7	ND	0.80	
75-01-4	Vinyl Chloride	ND	1.7	ND	0.65	
74-83-9	Bromomethane	ND	1.7	ND	0.43	
75-00-3	Chloroethane	ND	1.7	ND	0.63	
67-64-1	Acetone	**32**	8.3	**13**	3.5	
75-69-4	Trichlorofluoromethane	ND	1.7	ND	0.30	
75-35-4	1,1-Dichloroethene	ND	1.7	ND	0.42	
75-09-2	Methylene chloride	ND	1.7	ND	0.48	
76-13-1	Trichlorotrifluoroethane	ND	1.7	ND	0.22	
75-15-0	Carbon Disulfide	ND	1.7	ND	0.53	
156-60-5	trans-1,2-Dichloroethene	ND	1.7	ND	0.42	
75-34-3	1,1-Dichloroethane	ND	1.7	ND	0.41	
1634-04-4	Methyl tert-Butyl Ether	ND	1.7	ND	0.46	
108-05-4	Vinyl Acetate	ND	1.7	ND	0.47	
78-93-3	2-Butanone (MEK)	**3.6**	1.7	**1.2**	0.56	
156-59-2	cis-1,2-Dichloroethene	ND	1.7	ND	0.42	
67-66-3	Chloroform	ND	1.7	ND	0.34	
107-06-2	1,2-Dichloroethane	ND	1.7	ND	0.41	
71-55-6	1,1,1-Trichloroethane	ND	1.7	ND	0.30	
71-43-2	Benzene	**10**	1.7	**3.1**	0.52	
56-23-5	Carbon Tetrachloride	ND	1.7	ND	0.26	
78-87-5	1,2-Dichloropropane	ND	1.7	ND	0.36	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit.**
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: Ri Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-34-I-12-12-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-010DUP

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00041

Date Collected: 12/12/06
Date Received: 12/12/06
Date(s) Analyzed: 12/20/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.7 Pf 1 = 3.6

Can D.F. = 1.66

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.7	ND	0.25	
79-01-6	Trichloroethene	ND	1.7	ND	0.31	
10061-01-5	cis-1,3-Dichloropropene	ND	1.7	ND	0.37	
108-10-1	4-Methyl-2-pentanone	ND	1.7	ND	0.41	
10061-02-6	trans-1,3-Dichloropropene	ND	1.7	ND	0.37	
79-00-5	1,1,2-Trichloroethane	ND	1.7	ND	0.30	
108-88-3	Toluene	**11**	1.7	**3.0**	0.44	
591-78-6	2-Hexanone	ND	1.7	ND	0.41	
124-48-1	Dibromochloromethane	ND	1.7	ND	0.19	
106-93-4	1,2-Dibromoethane	ND	1.7	ND	0.22	
127-18-4	Tetrachloroethene	ND	1.7	ND	0.24	
108-90-7	Chlorobenzene	ND	1.7	ND	0.36	
100-41-4	Ethylbenzene	ND	1.7	ND	0.38	
179601-23-1	*m,p* -Xylenes	**6.8**	1.7	**1.6**	0.38	
75-25-2	Bromoform	ND	1.7	ND	0.16	
100-42-5	Styrene	ND	1.7	ND	0.39	
95-47-6	o-Xylene	**2.3**	1.7	**0.53**	0.38	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.7	ND	0.24	
541-73-1	1,3-Dichlorobenzene	ND	1.7	ND	0.28	
106-46-7	1,4-Dichlorobenzene	ND	1.7	ND	0.28	
95-50-1	1,2-Dichlorobenzene	ND	1.7	ND	0.28	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-34-S-12-12-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-011

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00263

Date Collected: 12/12/06
Date Received: 12/12/06
Date(s) Analyzed: 12/19/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.4 Pf 1 = 3.5

Can D.F. = 1.61

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.6	ND	0.78	
75-01-4	Vinyl Chloride	ND	1.6	ND	0.63	
74-83-9	Bromomethane	ND	1.6	ND	0.41	
75-00-3	Chloroethane	ND	1.6	ND	0.61	
67-64-1	Acetone	**10**	8.1	**4.2**	3.4	**M**
75-69-4	Trichlorofluoromethane	ND	1.6	ND	0.29	
75-35-4	1,1-Dichloroethene	ND	1.6	ND	0.41	
75-09-2	Methylene chloride	ND	1.6	ND	0.46	
76-13-1	Trichlorotrifluoroethane	ND	1.6	ND	0.21	
75-15-0	Carbon Disulfide	**7.0**	1.6	**2.3**	0.52	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	ND	0.41	
75-34-3	1,1-Dichloroethane	ND	1.6	ND	0.40	
1634-04-4	Methyl tert-Butyl Ether	ND	1.6	ND	0.45	
108-05-4	Vinyl Acetate	ND	1.6	ND	0.46	
78-93-3	2-Butanone (MEK)	ND	1.6	ND	0.55	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	ND	0.41	
67-66-3	Chloroform	ND	1.6	ND	0.33	
107-06-2	1,2-Dichloroethane	ND	1.6	ND	0.40	
71-55-6	1,1,1-Trichloroethane	ND	1.6	ND	0.30	
71-43-2	Benzene	**23**	1.6	**7.1**	0.50	
56-23-5	Carbon Tetrachloride	ND	1.6	ND	0.26	
78-87-5	1,2-Dichloropropane	ND	1.6	ND	0.35	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
M = Matrix interference; results may be biased high.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-34-S-12-12-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-011

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00263

Date Collected: 12/12/06
Date Received: 12/12/06
Date(s) Analyzed: 12/19/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.4 Pf 1 = 3.5

Can D.F. = 1.61

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.6	ND	0.24	
79-01-6	Trichloroethene	ND	1.6	ND	0.30	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	ND	0.35	
108-10-1	4-Methyl-2-pentanone	ND	1.6	ND	0.39	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	ND	0.35	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ND	0.30	
108-88-3	Toluene	**4.8**	1.6	**1.3**	0.43	
591-78-6	2-Hexanone	ND	1.6	ND	0.39	
124-48-1	Dibromochloromethane	ND	1.6	ND	0.19	
106-93-4	1,2-Dibromoethane	ND	1.6	ND	0.21	
127-18-4	Tetrachloroethene	**9.6**	1.6	**1.4**	0.24	
108-90-7	Chlorobenzene	ND	1.6	ND	0.35	
100-41-4	Ethylbenzene	**1.9**	1.6	**0.44**	0.37	
179601-23-1	*m,p* -Xylenes	**7.4**	1.6	**1.7**	0.37	
75-25-2	Bromoform	ND	1.6	ND	0.16	
100-42-5	Styrene	ND	1.6	ND	0.38	
95-47-6	o-Xylene	**2.5**	1.6	**0.57**	0.37	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	ND	0.23	
541-73-1	1,3-Dichlorobenzene	ND	1.6	ND	0.27	
106-46-7	1,4-Dichlorobenzene	ND	1.6	ND	0.27	
95-50-1	1,2-Dichlorobenzene	ND	1.6	ND	0.27	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-34-I-12-12-06-SC**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-012

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00286

Date Collected: 12/12/06
Date Received: 12/12/06
Date(s) Analyzed: 12/19/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -4.0 Pf 1 = 3.5

Can D.F. = 1.70

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.7	ND	0.82	
75-01-4	Vinyl Chloride	ND	1.7	ND	0.67	
74-83-9	Bromomethane	ND	1.7	ND	0.44	
75-00-3	Chloroethane	ND	1.7	ND	0.64	
67-64-1	Acetone	**29**	8.5	**12**	3.6	
75-69-4	Trichlorofluoromethane	ND	1.7	ND	0.30	
75-35-4	1,1-Dichloroethene	ND	1.7	ND	0.43	
75-09-2	Methylene chloride	ND	1.7	ND	0.49	
76-13-1	Trichlorotrifluoroethane	ND	1.7	ND	0.22	
75-15-0	Carbon Disulfide	ND	1.7	ND	0.55	
156-60-5	trans-1,2-Dichloroethene	ND	1.7	ND	0.43	
75-34-3	1,1-Dichloroethane	ND	1.7	ND	0.42	
1634-04-4	Methyl tert-Butyl Ether	ND	1.7	ND	0.47	
108-05-4	Vinyl Acetate	ND	1.7	ND	0.48	
78-93-3	2-Butanone (MEK)	**2.4**	1.7	**0.81**	0.58	
156-59-2	cis-1,2-Dichloroethene	ND	1.7	ND	0.43	
67-66-3	Chloroform	ND	1.7	ND	0.35	
107-06-2	1,2-Dichloroethane	ND	1.7	ND	0.42	
71-55-6	1,1,1-Trichloroethane	ND	1.7	ND	0.31	
71-43-2	Benzene	**6.8**	1.7	**2.1**	0.53	
56-23-5	Carbon Tetrachloride	ND	1.7	ND	0.27	
78-87-5	1,2-Dichloropropane	ND	1.7	ND	0.37	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit.**
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-34-I-12-12-06-SC**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-012

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00286

Date Collected: 12/12/06
Date Received: 12/12/06
Date(s) Analyzed: 12/19/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -4.0 Pf 1 = 3.5

Can D.F. = 1.70

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.7	ND	0.25	
79-01-6	Trichloroethene	ND	1.7	ND	0.32	
10061-01-5	cis-1,3-Dichloropropene	ND	1.7	ND	0.37	
108-10-1	4-Methyl-2-pentanone	ND	1.7	ND	0.41	
10061-02-6	trans-1,3-Dichloropropene	ND	1.7	ND	0.37	
79-00-5	1,1,2-Trichloroethane	ND	1.7	ND	0.31	
108-88-3	Toluene	**10**	1.7	**2.7**	0.45	
591-78-6	2-Hexanone	ND	1.7	ND	0.42	
124-48-1	Dibromochloromethane	ND	1.7	ND	0.20	
106-93-4	1,2-Dibromoethane	ND	1.7	ND	0.22	
127-18-4	Tetrachloroethene	ND	1.7	ND	0.25	
108-90-7	Chlorobenzene	ND	1.7	ND	0.37	
100-41-4	Ethylbenzene	ND	1.7	ND	0.39	
179601-23-1	*m,p* -Xylenes	**6.4**	1.7	**1.5**	0.39	
75-25-2	Bromoform	ND	1.7	ND	0.16	
100-42-5	Styrene	ND	1.7	ND	0.40	
95-47-6	o-Xylene	**2.2**	1.7	**0.52**	0.39	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.7	ND	0.25	
541-73-1	1,3-Dichlorobenzene	ND	1.7	ND	0.28	
106-46-7	1,4-Dichlorobenzene	ND	1.7	ND	0.28	
95-50-1	1,2-Dichlorobenzene	ND	1.7	ND	0.28	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P061215-MB

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date(s) Analyzed: 12/15/06
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.0	ND	0.48	
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39	
74-83-9	Bromomethane	ND	1.0	ND	0.26	
75-00-3	Chloroethane	ND	1.0	ND	0.38	
67-64-1	Acetone	ND	5.0	ND	2.1	
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18	
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25	
75-09-2	Methylene chloride	ND	1.0	ND	0.29	
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13	
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25	
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25	
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28	
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28	
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.34	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25	
67-66-3	Chloroform	ND	1.0	ND	0.20	
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18	
71-43-2	Benzene	ND	1.0	ND	0.31	
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16	
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit.**
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RC Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P061215-MB

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date(s) Analyzed: 12/15/06
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15	
79-01-6	Trichloroethene	ND	1.0	ND	0.19	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22	
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18	
108-88-3	Toluene	ND	1.0	ND	0.27	
591-78-6	2-Hexanone	ND	1.0	ND	0.24	
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12	
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13	
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15	
108-90-7	Chlorobenzene	ND	1.0	ND	0.22	
100-41-4	Ethylbenzene	ND	1.0	ND	0.23	
179601-23-1	*m,p*-Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	1.0	ND	0.097	
100-42-5	Styrene	ND	1.0	ND	0.23	
95-47-6	o-Xylene	ND	1.0	ND	0.23	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P061218-MB

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date(s) Analyzed: 12/18/06
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.0	ND	0.48	
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39	
74-83-9	Bromomethane	ND	1.0	ND	0.26	
75-00-3	Chloroethane	ND	1.0	ND	0.38	
67-64-1	Acetone	ND	5.0	ND	2.1	
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18	
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25	
75-09-2	Methylene chloride	ND	1.0	ND	0.29	
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13	
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25	
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25	
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28	
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28	
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.34	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25	
67-66-3	Chloroform	ND	1.0	ND	0.20	
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18	
71-43-2	Benzene	ND	1.0	ND	0.31	
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16	
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RCr Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P061218-MB

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date(s) Analyzed: 12/18/06
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15	
79-01-6	Trichloroethene	ND	1.0	ND	0.19	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22	
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18	
108-88-3	Toluene	ND	1.0	ND	0.27	
591-78-6	2-Hexanone	ND	1.0	ND	0.24	
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12	
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13	
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15	
108-90-7	Chlorobenzene	ND	1.0	ND	0.22	
100-41-4	Ethylbenzene	ND	1.0	ND	0.23	
179601-23-1	*m,p* -Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	1.0	ND	0.097	
100-42-5	Styrene	ND	1.0	ND	0.23	
95-47-6	o-Xylene	ND	1.0	ND	0.23	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: Rcs Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P061219-MB

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date(s) Analyzed: 12/19/06
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.0	ND	0.48	
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39	
74-83-9	Bromomethane	ND	1.0	ND	0.26	
75-00-3	Chloroethane	ND	1.0	ND	0.38	
67-64-1	Acetone	ND	5.0	ND	2.1	
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18	
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25	
75-09-2	Methylene chloride	ND	1.0	ND	0.29	
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13	
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25	
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25	
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28	
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28	
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.34	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25	
67-66-3	Chloroform	ND	1.0	ND	0.20	
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18	
71-43-2	Benzene	ND	1.0	ND	0.31	
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16	
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P061219-MB

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date(s) Analyzed: 12/19/06
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15	
79-01-6	Trichloroethene	ND	1.0	ND	0.19	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22	
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18	
108-88-3	Toluene	ND	1.0	ND	0.27	
591-78-6	2-Hexanone	ND	1.0	ND	0.24	
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12	
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13	
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15	
108-90-7	Chlorobenzene	ND	1.0	ND	0.22	
100-41-4	Ethylbenzene	ND	1.0	ND	0.23	
179601-23-1	*m,p*-Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	1.0	ND	0.097	
100-42-5	Styrene	ND	1.0	ND	0.23	
95-47-6	o-Xylene	ND	1.0	ND	0.23	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P061220-MB

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date(s) Analyzed: 12/20/06
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.0	ND	0.48	
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39	
74-83-9	Bromomethane	ND	1.0	ND	0.26	
75-00-3	Chloroethane	ND	1.0	ND	0.38	
67-64-1	Acetone	ND	5.0	ND	2.1	
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18	
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25	
75-09-2	Methylene chloride	ND	1.0	ND	0.29	
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13	
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25	
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25	
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28	
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28	
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.34	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25	
67-66-3	Chloroform	ND	1.0	ND	0.20	
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18	
71-43-2	Benzene	ND	1.0	ND	0.31	
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16	
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P061220-MB

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date(s) Analyzed: 12/20/06
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15	
79-01-6	Trichloroethene	ND	1.0	ND	0.19	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22	
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18	
108-88-3	Toluene	ND	1.0	ND	0.27	
591-78-6	2-Hexanone	ND	1.0	ND	0.24	
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12	
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13	
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15	
108-90-7	Chlorobenzene	ND	1.0	ND	0.22	
100-41-4	Ethylbenzene	ND	1.0	ND	0.23	
179601-23-1	*m,p* -Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	1.0	ND	0.097	
100-42-5	Styrene	ND	1.0	ND	0.23	
95-47-6	o-Xylene	ND	1.0	ND	0.23	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Project ID: WDI

CAS Project ID: P2603406

Surrogate Spike Recovery Results

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister(s)
Test Notes:

Date Collected: 12/10 - 12/12/06
Date Received: 12/12/06
Date Analyzed: 12/15 - 12/20/06

Client Sample ID	CAS Sample ID	1,2-Dichloroethane-d4		Toluene-d8		Bromofluorobenzene		Data Qualifier
		% Recovered	Acceptance Limits	% Recovered	Acceptance Limits	% Recovered	Acceptance Limits	
Method Blank	P061215-MB	**90**	80-120	**100**	80-120	**111**	80-120	
Method Blank	P061218-MB	**91**	80-120	**101**	80-120	**108**	80-120	
Method Blank	P061219-MB	**98**	80-120	**97**	80-120	**103**	80-120	
Method Blank	P061220-MB	**88**	80-120	**99**	80-120	**114**	80-120	
Lab Control Sample	P061215-LCS	**91**	80-120	**100**	80-120	**108**	80-120	
Lab Control Sample	P061218-LCS	**91**	80-120	**99**	80-120	**107**	80-120	
Lab Control Sample	P061219-LCS	**99**	80-120	**95**	80-120	**110**	80-120	
Lab Control Sample	P061220-LCS	**89**	80-120	**98**	80-120	**113**	80-120	
Duplicate Lab Control Sample	P061215-DLCS	**89**	80-120	**101**	80-120	**109**	80-120	
Duplicate Lab Control Sample	P061218-DLCS	**91**	80-120	**100**	80-120	**108**	80-120	
Duplicate Lab Control Sample	P061219-DLCS	**99**	80-120	**96**	80-120	**107**	80-120	
Duplicate Lab Control Sample	P061220-DLCS	**88**	80-120	**100**	80-120	**111**	80-120	
WDI-IBM-50-12-10-06	P2603406-001	**91**	80-120	**100**	80-120	**110**	80-120	
WDI-IBM-28-12-10-06	P2603406-002	**94**	80-120	**99**	80-120	**106**	80-120	
WDI-IBM-24-12-10-06	P2603406-003	**90**	80-120	**100**	80-120	**106**	80-120	
WDI-IBM-24-12-10-06	P2603406-003DUP	**91**	80-120	**100**	80-120	**107**	80-120	
WDI-IBM-24B-12-10-06	P2603406-004	**89**	80-120	**101**	80-120	**106**	80-120	
WDI-IBM-03B-12-10-06	P2603406-005	**93**	80-120	**98**	80-120	**104**	80-120	
WDI-IBM-03B-12-10-06	P2603406-005DUP	**91**	80-120	**98**	80-120	**107**	80-120	
WDI-IBM-50-12-10-06-SC	P2603406-006	**89**	80-120	**100**	80-120	**109**	80-120	
WDI-VW-31-S-12-12-06	P2603406-007	**87**	80-120	**100**	80-120	**109**	80-120	
WDI-VW-31-D-12-12-06	P2603406-008	**89**	80-120	**98**	80-120	**105**	80-120	
WDI-VW-34-D-12-12-06	P2603406-009	**89**	80-120	**100**	80-120	**110**	80-120	
WDI-VW-34-I-12-12-06	P2603406-010	**89**	80-120	**100**	80-120	**109**	80-120	
WDI-VW-34-I-12-12-06	P2603406-010DUP	**90**	80-120	**100**	80-120	**110**	80-120	
WDI-VW-34-S-12-12-06	P2603406-011	**88**	80-120	**99**	80-120	**112**	80-120	
WDI-VW-34-I-12-12-06-SC	P2603406-012	**98**	80-120	**96**	80-120	**105**	80-120	

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Duplicate Lab Control Sample**
Client Project ID : **WDI**

CAS Project ID: P2603406
CAS Sample ID: P061215-LCS, P061215-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 12/15/06
Volume(s) Analyzed: NA

Compound	Spike Amt LCS/DLCS ng	Result LCS ng	Result DLCS ng	% Recovery LCS	% Recovery DLCS	Acceptance Limits	RPD	RPD Limit %	Data Qualifier
Chloromethane	24.3	21.6	20.5	**89**	**84**	65-135	**6**	35	
Vinyl Chloride	24.8	21.5	23.9	**87**	**96**	65-135	**10**	35	
Bromomethane	25.0	23.0	22.8	**92**	**91**	65-135	**1**	35	
Chloroethane	25.0	21.7	21.3	**87**	**85**	65-135	**2**	35	
Acetone	26.5	23.2	22.4	**88**	**85**	65-135	**3**	35	
Trichlorofluoromethane	24.3	21.7	21.0	**89**	**86**	65-135	**3**	35	
1,1-Dichloroethene	27.3	24.8	24.3	**91**	**89**	65-135	**2**	35	
Methylene chloride	26.8	23.2	22.7	**87**	**85**	65-135	**2**	35	
Trichlorotrifluoroethane	27.0	24.8	25.0	**92**	**93**	65-135	**1**	35	
Carbon Disulfide	25.0	22.5	22.1	**90**	**88**	65-135	**2**	35	
trans-1,2-Dichloroethene	26.3	23.1	22.5	**88**	**86**	65-135	**2**	35	
1,1-Dichloroethane	26.3	23.0	22.5	**87**	**86**	65-135	**1**	35	
Methyl tert-Butyl Ether	26.3	23.1	22.7	**88**	**86**	65-135	**2**	35	
Vinyl Acetate	24.3	22.1	22.1	**91**	**91**	65-135	**0**	35	
2-Butanone (MEK)	26.8	24.4	24.0	**91**	**90**	65-135	**1**	35	
cis-1,2-Dichloroethene	26.5	22.8	22.5	**86**	**85**	65-135	**1**	35	
Chloroform	30.0	24.5	24.3	**82**	**81**	65-135	**1**	35	
1,2-Dichloroethane	26.0	22.5	22.2	**87**	**85**	65-135	**2**	35	
1,1,1-Trichloroethane	26.3	23.1	22.9	**88**	**87**	65-135	**1**	35	
Benzene	26.3	22.6	22.6	**86**	**86**	65-135	**0**	35	
Carbon Tetrachloride	25.8	23.6	23.7	**91**	**92**	65-135	**1**	35	
1,2-Dichloropropane	26.0	22.9	22.7	**88**	**87**	65-135	**1**	35	

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: Duplicate Lab Control Sample
Client Project ID : WDI

CAS Project ID: P2603406
CAS Sample ID: P061215-LCS, P061215-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 12/15/06
Volume(s) Analyzed: NA

Compound	Spike Amt LCS/DLCS ng	Result LCS ng	Result DLCS ng	% Recovery LCS	% Recovery DLCS	Acceptance Limits	RPD	RPD Limit %	Data Qualifier
Bromodichloromethane	27.5	24.3	24.7	88	90	65-135	2	35	
Trichloroethene	27.3	25.1	25.2	92	92	65-135	0	35	
cis-1,3-Dichloropropene	26.0	21.8	21.6	84	83	65-135	1	35	
4-Methyl-2-pentanone	26.5	24.3	24.2	92	91	65-135	1	35	
trans-1,3-Dichloropropene	27.8	24.2	24.5	87	88	65-135	1	35	
1,1,2-Trichloroethane	25.8	23.2	23.1	90	90	65-135	0	35	
Toluene	26.0	23.8	23.7	92	91	65-135	1	35	
2-Hexanone	26.0	23.7	23.4	91	90	65-135	1	35	
Dibromochloromethane	26.5	25.2	24.9	95	94	65-135	1	35	
1,2-Dibromoethane	26.0	24.3	24.3	93	93	65-135	0	35	
Tetrachloroethene	25.8	24.2	24.2	94	94	65-135	0	35	
Chlorobenzene	26.0	24.2	24.1	93	93	65-135	0	35	
Ethylbenzene	25.8	23.5	23.4	91	91	65-135	0	35	
m,p-Xylenes	61.5	57.1	56.8	93	92	65-135	1	35	
Bromoform	31.3	29.9	29.9	96	96	65-135	0	35	
Styrene	25.8	24.9	24.8	97	96	65-135	1	35	
o-Xylene	29.0	27.0	26.9	93	93	65-135	0	35	
1,1,2,2-Tetrachloroethane	29.3	27.0	27.0	92	92	65-135	0	35	
1,3-Dichlorobenzene	25.3	23.9	23.8	94	94	65-135	0	35	
1,4-Dichlorobenzene	26.0	24.9	24.7	96	95	65-135	1	35	
1,2-Dichlorobenzene	25.5	24.3	24.2	95	95	65-135	0	35	

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: Duplicate Lab Control Sample
Client Project ID : WDI

CAS Project ID: P2603406
CAS Sample ID: P061218-LCS, P061218-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 12/18/06
Volume(s) Analyzed: NA

Compound	Spike Amt LCS/DLCS ng	Result LCS ng	Result DLCS ng	% Recovery LCS	% Recovery DLCS	Acceptance Limits	RPD	RPD Limit %	Data Qualifier
Chloromethane	24.3	21.7	21.5	89	88	65-135	1	35	
Vinyl Chloride	24.8	20.9	22.3	84	90	65-135	7	35	
Bromomethane	25.0	22.5	23.2	90	93	65-135	3	35	
Chloroethane	25.0	21.6	21.8	86	87	65-135	1	35	
Acetone	26.5	23.3	23.1	88	87	65-135	1	35	
Trichlorofluoromethane	24.3	21.7	21.4	89	88	65-135	1	35	
1,1-Dichloroethene	27.3	24.6	24.5	90	90	65-135	0	35	
Methylene chloride	26.8	23.2	23.2	87	87	65-135	0	35	
Trichlorotrifluoroethane	27.0	24.1	24.6	89	91	65-135	2	35	
Carbon Disulfide	25.0	22.3	22.5	89	90	65-135	1	35	
trans-1,2-Dichloroethene	26.3	23.3	23.2	89	88	65-135	1	35	
1,1-Dichloroethane	26.3	23.2	22.7	88	86	65-135	2	35	
Methyl tert-Butyl Ether	26.3	22.6	22.7	86	86	65-135	0	35	
Vinyl Acetate	24.3	21.9	21.8	90	90	65-135	0	35	
2-Butanone (MEK)	26.8	24.3	24.6	91	92	65-135	1	35	
cis-1,2-Dichloroethene	26.5	22.9	22.8	86	86	65-135	0	35	
Chloroform	30.0	24.7	24.4	82	81	65-135	1	35	
1,2-Dichloroethane	26.0	22.7	22.5	87	87	65-135	0	35	
1,1,1-Trichloroethane	26.3	23.3	23.1	89	88	65-135	1	35	
Benzene	26.3	22.9	22.6	87	86	65-135	1	35	
Carbon Tetrachloride	25.8	24.0	23.8	93	92	65-135	1	35	
1,2-Dichloropropane	26.0	23.2	22.8	89	88	65-135	1	35	

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: Duplicate Lab Control Sample
Client Project ID : WDI

CAS Project ID: P2603406
CAS Sample ID: P061218-LCS, P061218-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 12/18/06
Volume(s) Analyzed: NA

Compound	Spike Amt LCS/DLCS ng	Result LCS ng	Result DLCS ng	% Recovery LCS	% Recovery DLCS	Acceptance Limits	RPD	RPD Limit %	Data Qualifier
Bromodichloromethane	27.5	25.1	24.5	91	89	65-135	2	35	
Trichloroethene	27.3	25.4	25.2	93	92	65-135	1	35	
cis-1,3-Dichloropropene	26.0	22.0	21.9	85	84	65-135	1	35	
4-Methyl-2-pentanone	26.5	24.7	24.3	93	92	65-135	1	35	
trans-1,3-Dichloropropene	27.8	24.8	24.4	89	88	65-135	1	35	
1,1,2-Trichloroethane	25.8	23.3	23.0	90	89	65-135	1	35	
Toluene	26.0	23.3	23.5	90	90	65-135	0	35	
2-Hexanone	26.0	23.8	23.7	92	91	65-135	1	35	
Dibromochloromethane	26.5	24.8	25.0	94	94	65-135	0	35	
1,2-Dibromoethane	26.0	24.1	24.2	93	93	65-135	0	35	
Tetrachloroethene	25.8	23.6	23.6	91	91	65-135	0	35	
Chlorobenzene	26.0	23.6	23.7	91	91	65-135	0	35	
Ethylbenzene	25.8	23.2	23.3	90	90	65-135	0	35	
m,p-Xylenes	61.5	56.5	56.7	92	92	65-135	0	35	
Bromoform	31.3	29.7	29.7	95	95	65-135	0	35	
Styrene	25.8	24.5	24.5	95	95	65-135	0	35	
o-Xylene	29.0	26.7	26.8	92	92	65-135	0	35	
1,1,2,2-Tetrachloroethane	29.3	26.6	26.7	91	91	65-135	0	35	
1,3-Dichlorobenzene	25.3	23.4	23.6	92	93	65-135	1	35	
1,4-Dichlorobenzene	26.0	24.3	24.4	93	94	65-135	1	35	
1,2-Dichlorobenzene	25.5	23.7	24.0	93	94	65-135	1	35	

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: Duplicate Lab Control Sample
Client Project ID : WDI

CAS Project ID: P2603406
CAS Sample ID: P061219-LCS, P061219-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 12/19/06
Volume(s) Analyzed: NA

Compound	Spike Amt LCS/DLCS ng	Result LCS ng	Result DLCS ng	% Recovery LCS	% Recovery DLCS	Acceptance Limits	RPD	RPD Limit %	Data Qualifier
Chloromethane	24.3	22.1	22.3	91	92	65-135	1	35	
Vinyl Chloride	24.8	22.5	22.9	91	92	65-135	1	35	
Bromomethane	25.0	22.7	23.3	91	93	65-135	2	35	
Chloroethane	25.0	22.0	22.1	88	88	65-135	0	35	
Acetone	26.5	23.1	23.6	87	89	65-135	2	35	
Trichlorofluoromethane	24.3	22.3	22.3	92	92	65-135	0	35	
1,1-Dichloroethene	27.3	24.8	24.6	91	90	65-135	1	35	
Methylene chloride	26.8	23.5	23.1	88	86	65-135	2	35	
Trichlorotrifluoroethane	27.0	23.8	24.4	88	90	65-135	2	35	
Carbon Disulfide	25.0	22.3	22.2	89	89	65-135	0	35	
trans-1,2-Dichloroethene	26.3	23.5	23.8	89	90	65-135	1	35	
1,1-Dichloroethane	26.3	23.7	23.8	90	90	65-135	0	35	
Methyl tert-Butyl Ether	26.3	23.6	24.3	90	92	65-135	2	35	
Vinyl Acetate	24.3	21.5	22.4	88	92	65-135	4	35	
2-Butanone (MEK)	26.8	24.1	24.6	90	92	65-135	2	35	
cis-1,2-Dichloroethene	26.5	23.4	23.6	88	89	65-135	1	35	
Chloroform	30.0	25.2	24.6	84	82	65-135	2	35	
1,2-Dichloroethane	26.0	24.2	24.1	93	93	65-135	0	35	
1,1,1-Trichloroethane	26.3	23.9	23.9	91	91	65-135	0	35	
Benzene	26.3	23.0	22.4	87	85	65-135	2	35	
Carbon Tetrachloride	25.8	24.4	24.3	95	94	65-135	1	35	
1,2-Dichloropropane	26.0	23.4	23.7	90	91	65-135	1	35	

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: Duplicate Lab Control Sample
Client Project ID : WDI

CAS Project ID: P2603406
CAS Sample ID: P061219-LCS, P061219-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 12/19/06
Volume(s) Analyzed: NA

Compound	Spike Amt LCS/DLCS ng	Result LCS ng	Result DLCS ng	% Recovery LCS	% Recovery DLCS	Acceptance Limits	RPD	RPD Limit %	Data Qualifier
Bromodichloromethane	27.5	25.7	25.3	93	92	65-135	1	35	
Trichloroethene	27.3	24.5	25.4	90	93	65-135	3	35	
cis-1,3-Dichloropropene	26.0	22.5	22.2	87	85	65-135	2	35	
4-Methyl-2-pentanone	26.5	25.2	24.8	95	94	65-135	1	35	
trans-1,3-Dichloropropene	27.8	25.4	25.0	91	90	65-135	1	35	
1,1,2-Trichloroethane	25.8	23.1	22.6	90	88	65-135	2	35	
Toluene	26.0	22.1	22.0	85	85	65-135	0	35	
2-Hexanone	26.0	24.0	23.9	92	92	65-135	0	35	
Dibromochloromethane	26.5	23.8	23.3	90	88	65-135	2	35	
1,2-Dibromoethane	26.0	23.1	22.4	89	86	65-135	3	35	
Tetrachloroethene	25.8	22.3	21.5	86	83	65-135	4	35	
Chlorobenzene	26.0	22.3	23.0	86	88	65-135	2	35	
Ethylbenzene	25.8	22.9	22.7	89	88	65-135	1	35	
m,p-Xylenes	61.5	55.6	55.0	90	89	65-135	1	35	
Bromoform	31.3	28.7	28.0	92	89	65-135	3	35	
Styrene	25.8	24.0	23.3	93	90	65-135	3	35	
o-Xylene	29.0	26.4	26.0	91	90	65-135	1	35	
1,1,2,2-Tetrachloroethane	29.3	26.3	25.8	90	88	65-135	2	35	
1,3-Dichlorobenzene	25.3	23.3	21.8	92	86	65-135	7	35	
1,4-Dichlorobenzene	26.0	24.1	22.5	93	87	65-135	7	35	
1,2-Dichlorobenzene	25.5	23.5	22.0	92	86	65-135	7	35	

Verified By: Rc Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Duplicate Lab Control Sample**
Client Project ID : **WDI**

CAS Project ID: P2603406
CAS Sample ID: P061220-LCS, P061220-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 12/20/06
Volume(s) Analyzed: NA

Compound	Spike Amt LCS/DLCS ng	Result LCS ng	Result DLCS ng	% Recovery LCS	% Recovery DLCS	Acceptance Limits	RPD	RPD Limit %	Data Qualifier
Chloromethane	24.3	20.7	20.6	85	85	65-135	0	35	
Vinyl Chloride	24.8	19.3	19.8	78	80	65-135	3	35	
Bromomethane	25.0	22.2	22.6	89	90	65-135	1	35	
Chloroethane	25.0	20.9	20.9	84	84	65-135	0	35	
Acetone	26.5	23.4	23.4	88	88	65-135	0	35	
Trichlorofluoromethane	24.3	20.6	20.8	85	86	65-135	1	35	
1,1-Dichloroethene	27.3	24.0	23.8	88	87	65-135	1	35	
Methylene chloride	26.8	22.4	22.3	84	83	65-135	1	35	
Trichlorotrifluoroethane	27.0	24.1	25.4	89	94	65-135	5	35	
Carbon Disulfide	25.0	21.9	21.7	88	87	65-135	1	35	
trans-1,2-Dichloroethene	26.3	22.7	22.5	86	86	65-135	0	35	
1,1-Dichloroethane	26.3	22.2	22.5	84	86	65-135	2	35	
Methyl tert-Butyl Ether	26.3	22.9	23.2	87	88	65-135	1	35	
Vinyl Acetate	24.3	21.5	22.0	88	91	65-135	3	35	
2-Butanone (MEK)	26.8	24.6	24.6	92	92	65-135	0	35	
cis-1,2-Dichloroethene	26.5	22.2	22.2	84	84	65-135	0	35	
Chloroform	30.0	23.3	23.4	78	78	65-135	0	35	
1,2-Dichloroethane	26.0	21.9	21.9	84	84	65-135	0	35	
1,1,1-Trichloroethane	26.3	22.5	22.4	86	85	65-135	1	35	
Benzene	26.3	22.2	22.1	84	84	65-135	0	35	
Carbon Tetrachloride	25.8	23.3	23.1	90	90	65-135	0	35	
1,2-Dichloropropane	26.0	22.5	22.5	87	87	65-135	0	35	

Verified By: RC Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: Duplicate Lab Control Sample
Client Project ID : WDI

CAS Project ID: P2603406
CAS Sample ID: P061220-LCS, P061220-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 12/20/06
Volume(s) Analyzed: NA

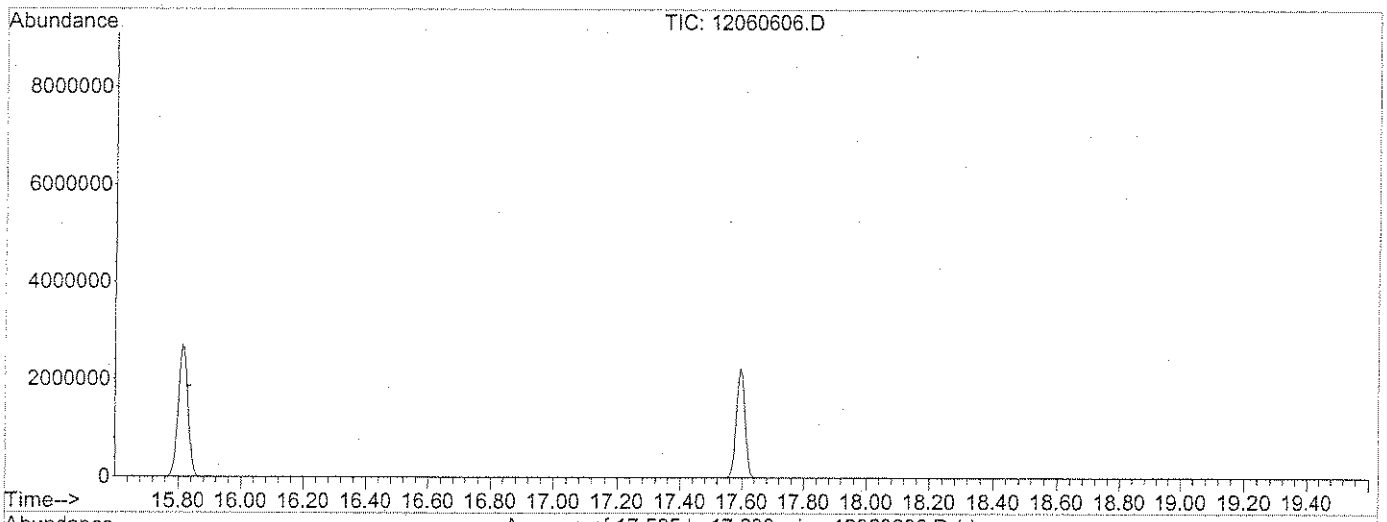
Compound	Spike Amt LCS/DLCS ng	Result LCS ng	Result DLCS ng	% Recovery LCS	% Recovery DLCS	Acceptance Limits	RPD	RPD Limit %	Data Qualifier
Bromodichloromethane	27.5	24.0	23.8	87	87	65-135	0	35	
Trichloroethene	27.3	24.7	24.5	90	90	65-135	0	35	
cis-1,3-Dichloropropene	26.0	21.5	21.5	83	83	65-135	0	35	
4-Methyl-2-pentanone	26.5	24.1	23.5	91	89	65-135	2	35	
trans-1,3-Dichloropropene	27.8	24.2	23.9	87	86	65-135	1	35	
1,1,2-Trichloroethane	25.8	22.8	22.4	88	87	65-135	1	35	
Toluene	26.0	22.2	22.7	85	87	65-135	2	35	
2-Hexanone	26.0	22.4	22.8	86	88	65-135	2	35	
Dibromochloromethane	26.5	23.7	24.1	89	91	65-135	2	35	
1,2-Dibromoethane	26.0	23.0	23.4	88	90	65-135	2	35	
Tetrachloroethene	25.8	22.7	23.2	88	90	65-135	2	35	
Chlorobenzene	26.0	22.7	23.1	87	89	65-135	2	35	
Ethylbenzene	25.8	22.3	22.4	86	87	65-135	1	35	
m,p-Xylenes	61.5	54.0	54.6	88	89	65-135	1	35	
Bromoform	31.3	28.3	28.6	90	91	65-135	1	35	
Styrene	25.8	23.4	23.6	91	91	65-135	0	35	
o-Xylene	29.0	25.5	25.8	88	89	65-135	1	35	
1,1,2,2-Tetrachloroethane	29.3	25.7	26.0	88	89	65-135	1	35	
1,3-Dichlorobenzene	25.3	22.5	22.7	89	90	65-135	1	35	
1,4-Dichlorobenzene	26.0	23.5	23.5	90	90	65-135	0	35	
1,2-Dichlorobenzene	25.5	23.0	23.1	90	91	65-135	1	35	

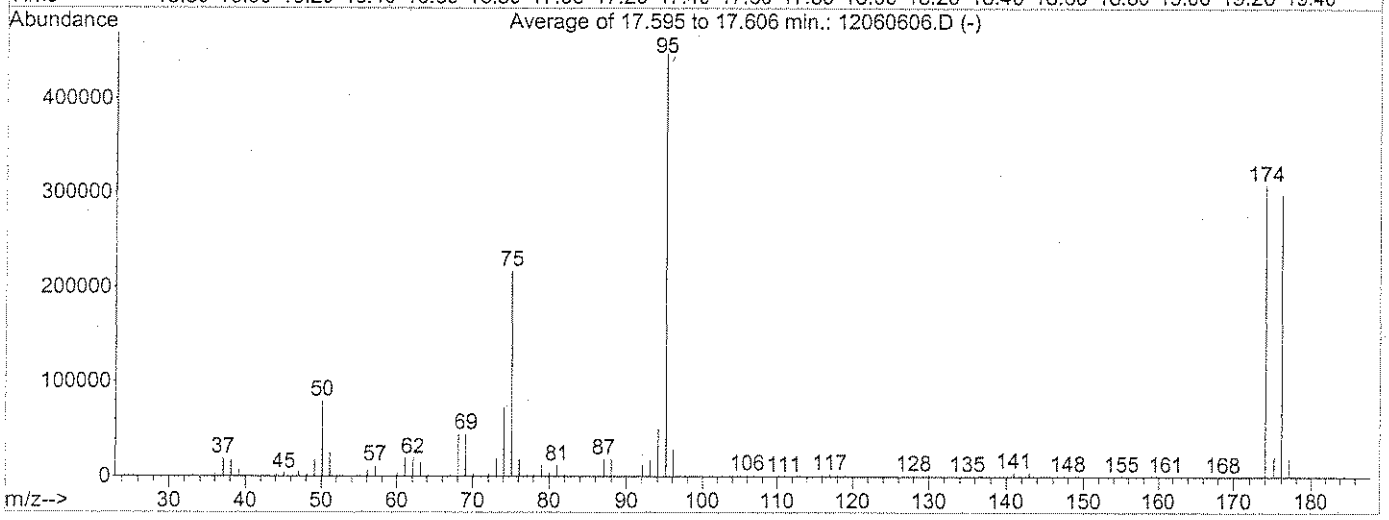
Verified By: RCS Date: 12/28/06

Data Path : J:\MS08\Data\2006_012\06\
Data File : 12060606.D
Acq On : 6 Dec 2006 15:30
Operator : LM
Sample : 25ng TO-15 BFB
Misc : S15-12050601
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : J:\MS08\METHODS\R8120606.M
Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
Last Update : Fri Dec 01 11:40:51 2006





AutoFind: Scans 2500, 2501, 2502; Background Corrected with Scan 2489

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	17.8	79581	PASS
75	95	30	66	48.6	217322	PASS
95	95	100	100	100.0	446976	PASS
96	95	5	9	6.5	28912	PASS
173	174	0.00	2	0.2	734	PASS
174	95	50	120	69.0	308394	PASS
175	174	4	9	6.9	21202	PASS
176	174	93	101	96.6	298005	PASS
177	176	5	9	6.5	19282	PASS

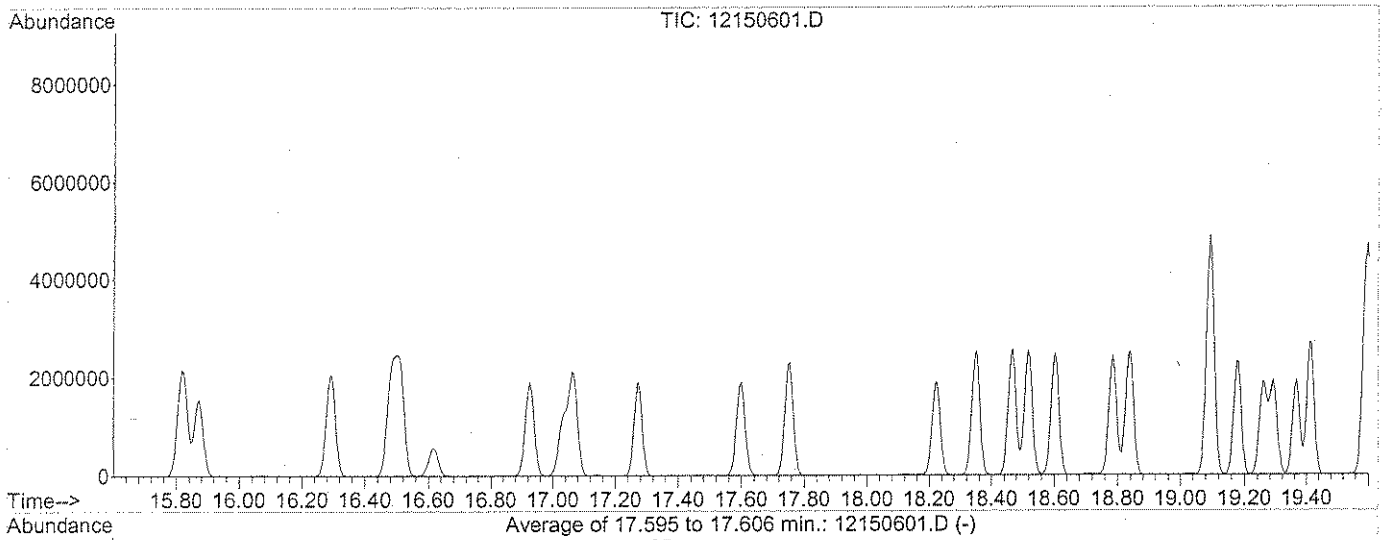
LM 12/07/06

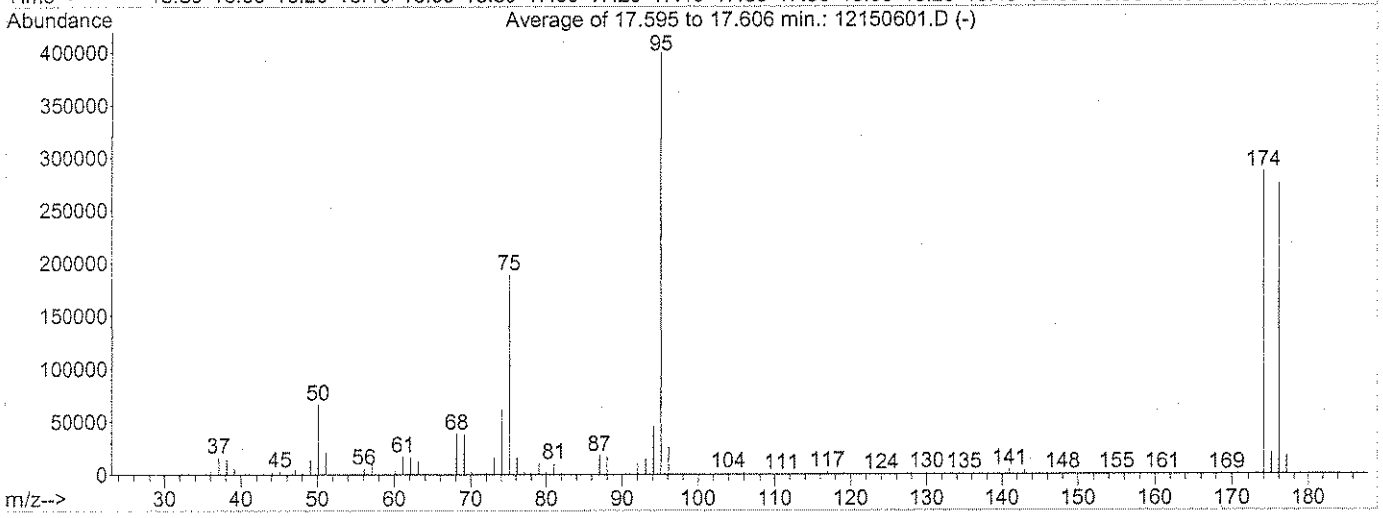
98

Data Path : J:\MS08\Data\2006_012\15\
Data File : 12150601.D
Acq On : 15 Dec 2006 9:03
Operator : LM
Sample : 25ng TO-15 CCV STD
Misc : S15-12050601/S15-12050606
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : J:\MS08\METHODS\R8120606.M
Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
Last Update : Thu Dec 07 08:17:50 2006





AutoFind: Scans 2500, 2501, 2502; Background Corrected with Scan 2489

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	16.5	66098	PASS
75	95	30	66	47.2	188586	PASS
95	95	100	100	100.0	399829	PASS
96	95	5	9	6.4	25490	PASS
173	174	0.00	2	0.2	638	PASS
174	95	50	120	71.5	285888	PASS
175	174	4	9	7.0	20090	PASS
176	174	93	101	96.0	274538	PASS
177	176	5	9	6.6	18069	PASS

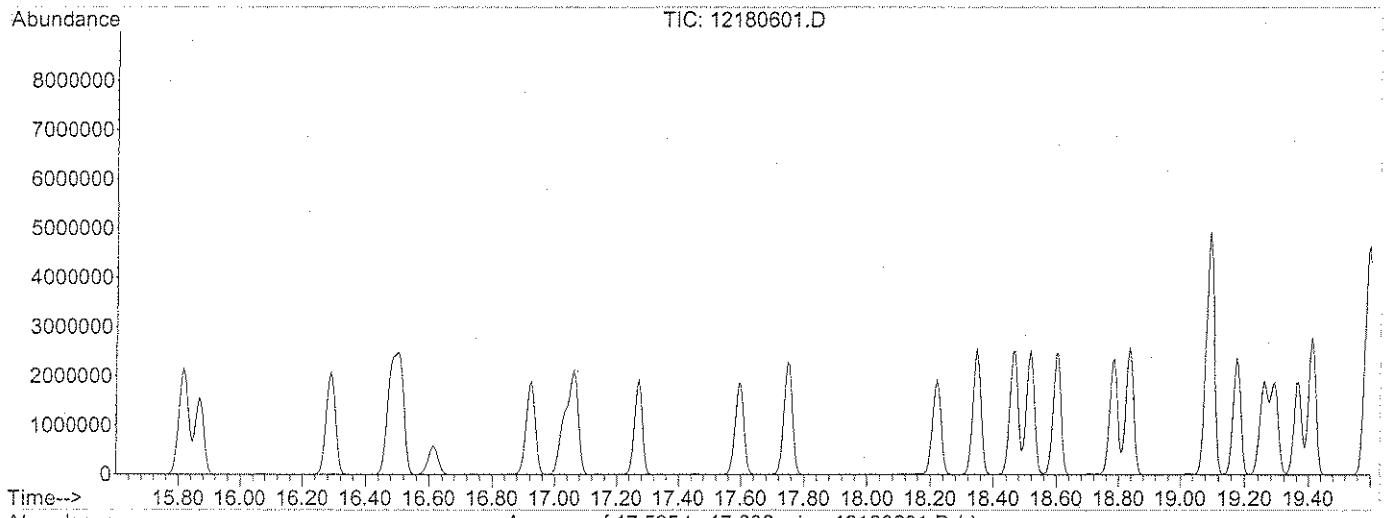
LM 12/18/06

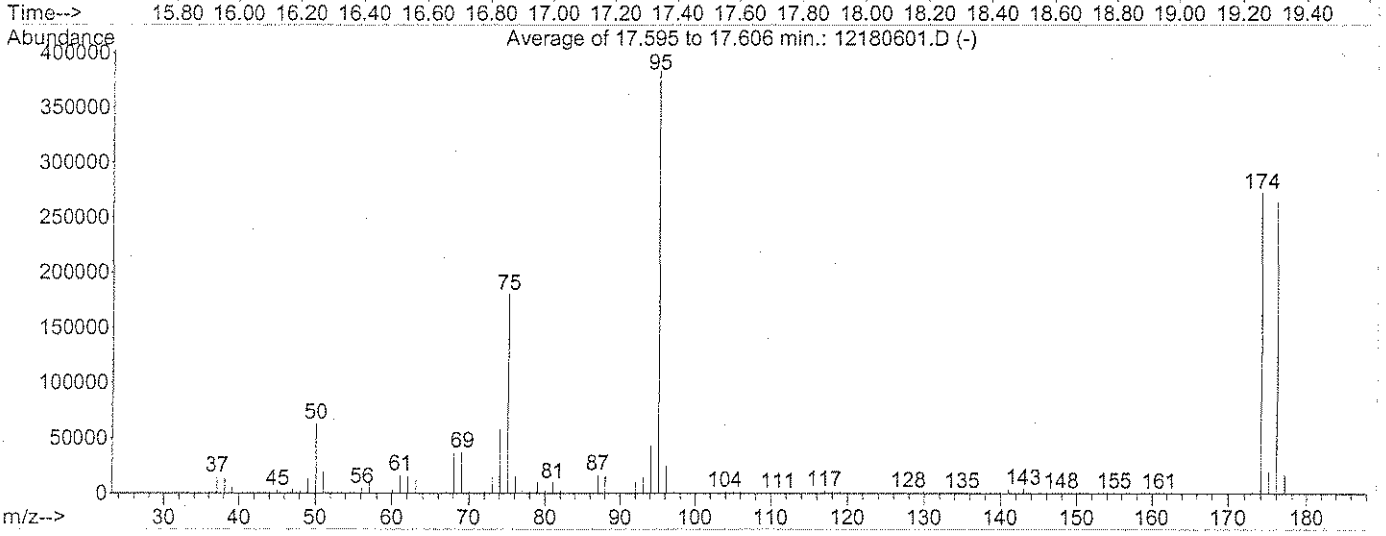
99

Data Path : J:\MS08\Data\2006_012\18\
Data File : 12180601.D
Acq On : 18 Dec 2006 7:08
Operator : LM
Sample : 25ng TO-15 CCV STD
Misc : S15-12050601/S15-12050606
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : J:\MS08\METHODS\R8120606.M
Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
Last Update : Thu Dec 07 08:17:50 2006





AutoFind: Scans 2500, 2501, 2502; Background Corrected with Scan 2489

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	16.4	62930	PASS
75	95	30	66	47.0	180074	PASS
95	95	100	100	100.0	383104	PASS
96	95	5	9	6.5	24768	PASS
173	174	0.00	2	0.3	733	PASS
174	95	50	120	71.1	272405	PASS
175	174	4	9	7.3	19760	PASS
176	174	93	101	97.1	264512	PASS
177	176	5	9	6.5	17156	PASS

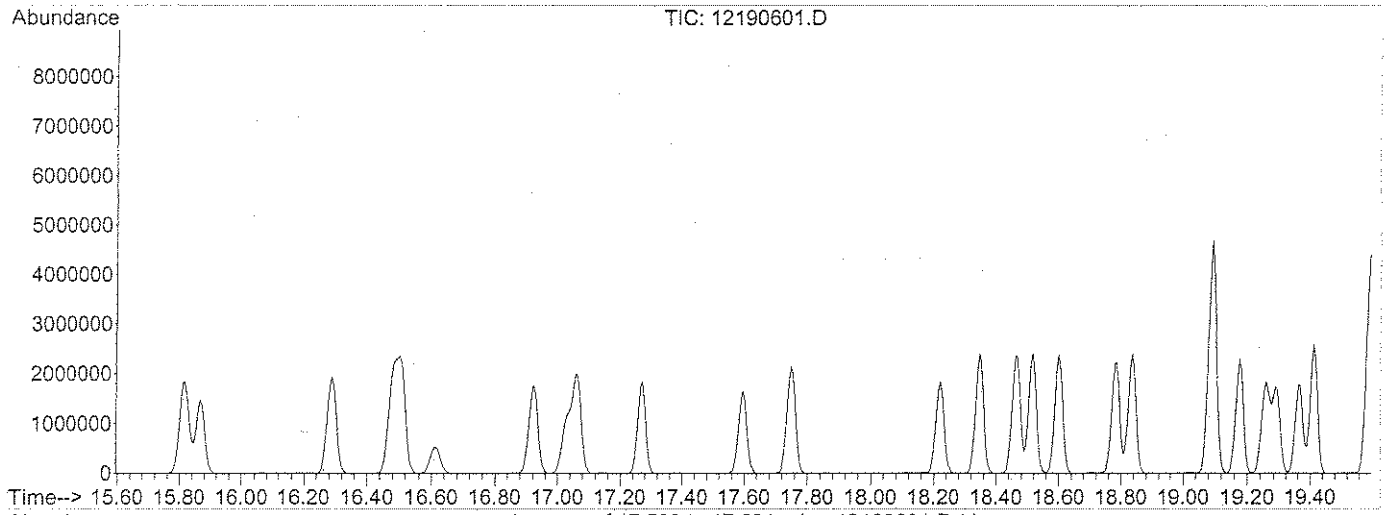
LM 12/18/06

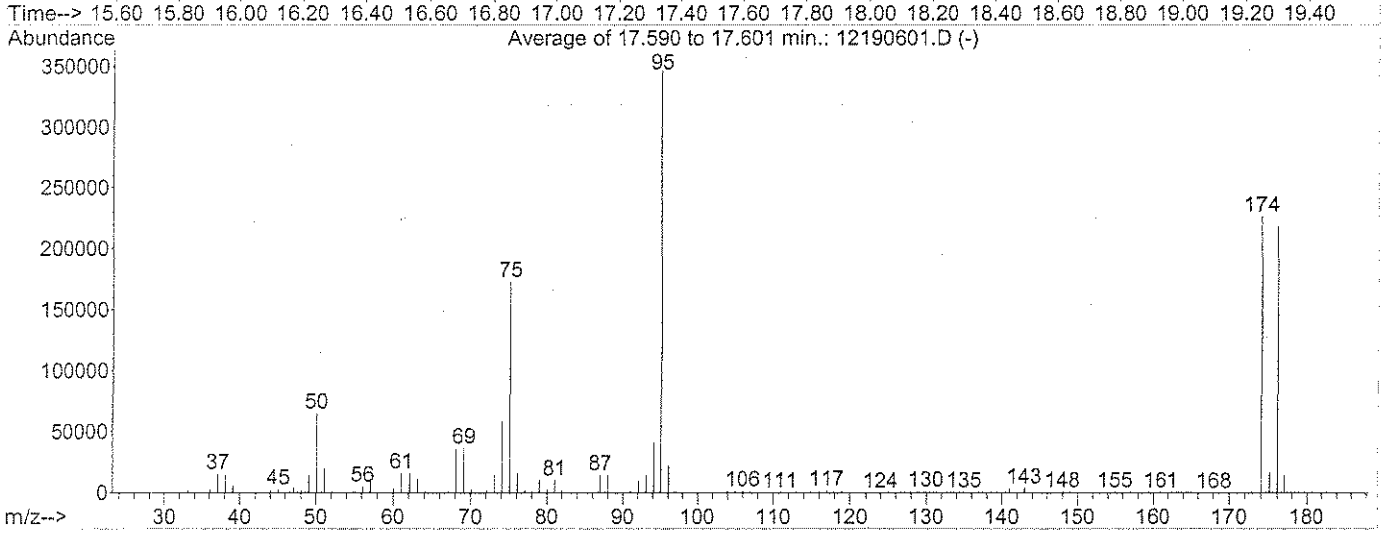
100

Data Path : J:\MS08\Data\2006_012\19\
Data File : 12190601.D
Acq On : 19 Dec 2006 8:39
Operator : LM
Sample : 25ng TO-15 CCV STD
Misc : S15-12050601/S15-12050606
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : J:\MS08\METHODS\R8120606.M
Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
Last Update : Thu Dec 07 08:17:50 2006





AutoFind: Scans 2499, 2500, 2501; Background Corrected with Scan 2489

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.8	65266	PASS
75	95	30	66	49.9	172800	PASS
95	95	100	100	100.0	346282	PASS
96	95	5	9	6.5	22488	PASS
173	174	0.00	2	0.2	558	PASS
174	95	50	120	65.4	226474	PASS
175	174	4	9	7.3	16421	PASS
176	174	93	101	96.3	217984	PASS
177	176	5	9	6.8	14717	PASS

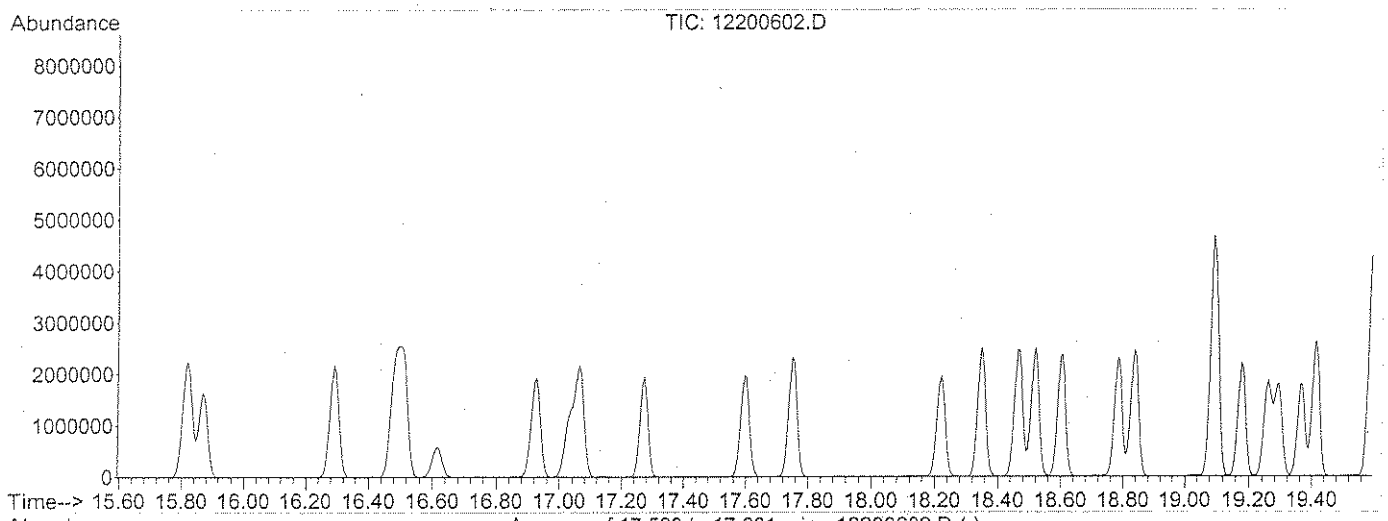
LM 12/19/06

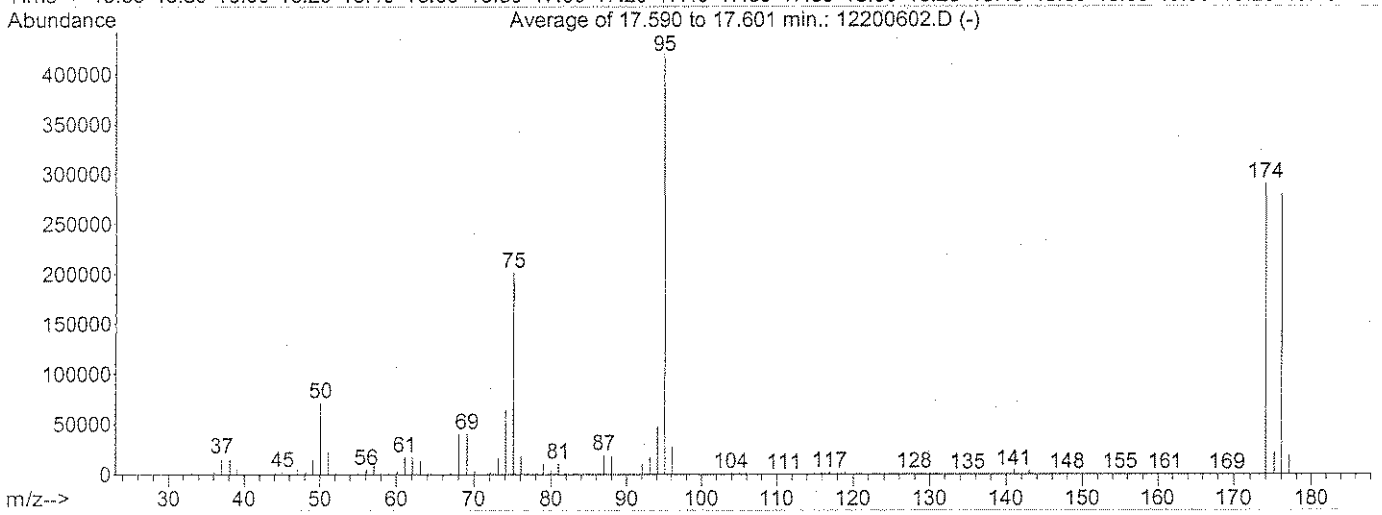
101

Data Path : J:\MS08\DATA\2006_012\20\
Data File : 12200602.D
Acq On : 20 Dec 2006 9:52
Operator : LM
Sample : 25ng TO-15 CCV STD
Misc : S15-12190601/S15-12150607
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : J:\MS08\METHODS\R8120606.M
Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
Last Update : Thu Dec 07 08:17:50 2006





AutoFind: Scans 2499, 2500, 2501; Background Corrected with Scan 2489

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	17.0	71546	PASS
75	95	30	66	47.9	201856	PASS
95	95	100	100	100.0	421781	PASS
96	95	5	9	6.4	27074	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	68.8	290261	PASS
175	174	4	9	7.4	21581	PASS
176	174	93	101	96.5	279957	PASS
177	176	5	9	6.6	18582	PASS

LM 12/21/06

102

Response Factor Report MS08

Method Path : J:\MS08\METHODS\
Method File : R8120606.M
Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
Last Update : Thu Dec 07 08:17:50 2006
Response Via : Initial Calibration

Calibration Files
0.5 =12060607.D 1 =12060608.D 5 =12060609.D 25 =12060610.D
50 =12060611.D 100 =12060612.D =

		Compound	0.5	1	5	25	50	100	Avg	%RSD
1)	IR	Bromochloromethane (I ----------ISTD----------								
2)	T	Propene	1.556	1.487	1.375	1.028	0.937	0.954	1.223	23.00
3)	T	Dichlorodifluorom	2.931	2.932	2.696	2.367	2.232	2.195	2.559	13.23
4)	T	Chloromethane	2.263	2.274	2.201	1.931	1.869	1.942	2.080	8.90
5)	T	Freon 114	0.815	0.806	0.700	0.606	0.575	0.545	0.675	17.40
6)	T	Vinyl Chloride	1.861	1.777	1.409	1.240	1.078	1.143	1.418	23.34
7)	T	1,3-Butadiene	1.650	1.575	1.459	1.227	1.168	1.173	1.375	15.53
8)	T	Bromomethane	1.212	1.186	1.082	0.930	0.914	0.981	1.051	12.29
9)	T	Chloroethane	1.146	1.093	1.018	0.877	0.842	0.866	0.974	13.33
10)	T	Ethanol	0.608	0.564	0.547	0.918	0.927	0.955	0.753	26.42
11)	T	Acetonitrile	2.190	2.095	2.024	2.393	2.326	2.394	2.237	7.05
12)	T	Acrolein	0.758	0.710	0.719	0.714	0.730	0.753	0.731	2.78
13)	T	Acetone	1.272	1.140	1.105	0.822	0.932	1.004	1.046	15.29
14)	T	Trichlorofluorome	1.895	1.852	1.773	1.660	1.632	1.636	1.741	6.63
15)	T	Isopropanol	3.587	3.505	2.972	3.370	2.969	2.806	3.201	10.19
16)	T	Acrylonitrile	1.573	1.464	1.561	1.634	1.608	1.642	1.580	4.14
17)	T	1,1-Dichloroethen	1.245	1.270	1.198	1.126	1.090	1.103	1.172	6.53
18)	T	tert-Butanol	3.496	3.504	3.088	2.880	2.614	2.170	2.959	17.56
19)	T	Methylene Chlorid	1.588	1.449	1.358	1.243	1.211	1.221	1.345	11.23
20)	T	Allyl Chloride	1.643	1.700	1.737	1.747	1.733	1.772	1.722	2.62
21)	T	Trichlorotrifluor	0.876	0.775	0.684	0.527	0.557	0.681	0.683	19.21
22)	T	Carbon Disulfide	5.671	5.360	4.931	4.422	4.294	4.308	4.831	12.16
23)	T	trans-1,2-Dichlor	1.968	1.948	1.906	1.796	1.809	1.858	1.881	3.81
24)	T	1,1-Dichloroethan	2.099	2.008	1.925	1.852	1.811	1.764	1.910	6.64
25)	T	Methyl tert-Butyl	3.715	3.514	3.025	2.597	2.607	2.757	3.036	15.75
26)	T	Vinyl Acetate	0.248	0.292	0.251	0.241	0.239	0.246	0.253	7.80
27)	T	2-Butanone	0.872	0.824	0.788	0.761	0.772	0.811	0.805	5.03
28)	T	cis-1,2-Dichloroe	1.883	1.839	1.764	1.700	1.682	1.700	1.761	4.73
29)	T	Diisopropyl Ether	0.954	0.958	0.848	0.749	0.730	0.752	0.832	12.58
30)	T	Ethyl Acetate	0.448	0.439	0.407	0.372	0.372	0.385	0.404	8.33
31)	T	n-Hexane	2.029	1.877	1.621	1.300	1.293	1.385	1.584	19.77
32)	T	Chloroform	2.165	2.124	1.857	1.764	1.676	1.626	1.869	12.20
33)	S	1,2-Dichloroethan	1.958	1.951	1.848	1.854	1.817	1.835	1.877	3.26
34)	T	Tetrahydrofuran	0.836	0.808	0.793	0.697	0.724	0.692	0.759	8.13
35)	T	Ethyl tert-Butyl	1.449	1.419	1.282	1.133	1.118	1.164	1.261	11.61
36)	T	1,2-Dichloroethan	1.875	1.808	1.707	1.625	1.630	1.609	1.709	6.45
37)	IR	1,4-Difluorobenzene (----------ISTD----------								
38)	T	1,1,1-Trichloroet	0.453	0.436	0.408	0.389	0.386	0.392	0.411	6.81
39)	T	Isopropyl Acetate	0.175	0.176	0.173	0.167	0.164	0.161	0.169	3.59
40)	T	1-Butanol	0.139	0.135	0.142	0.277	0.269	0.253	0.202	34.82
41)	T	Benzene	1.230	1.169	1.053	0.972	0.952	0.940	1.053	11.59
42)	T	Carbon Tetrachlor	0.344	0.338	0.339	0.328	0.331	0.338	0.336	1.66
43)	T	Cyclohexane	0.431	0.405	0.367	0.330	0.330	0.341	0.367	11.54
44)	T	tert-Amyl Methyl	0.800	0.780	0.740	0.699	0.681	0.670	0.728	7.40
45)	T	1,2-Dichloropropa	0.289	0.276	0.270	0.261	0.257	0.257	0.268	4.67
46)	T	Bromodichlorometh	0.362	0.361	0.366	0.367	0.359	0.349	0.361	1.83
47)	T	Trichloroethene	0.259	0.244	0.244	0.231	0.227	0.226	0.238	5.41
48)	T	1,4-Dioxane	0.211	0.205	0.205	0.213	0.208	0.200	0.207	2.34
49)	T	Isooctane	1.121	1.075	1.005	0.924	0.904	0.895	0.987	9.64
50)	T	Methyl Methacryla	0.099	0.100	0.104	0.106	0.104	0.101	0.102	2.63
51)	T	n-Heptane	0.287	0.272	0.264	0.242	0.235	0.234	0.256	8.60
52)	T	cis-1,3-Dichlorop	0.473	0.468	0.463	0.455	0.443	0.430	0.455	3.61
53)	T	4-Methyl-2-pentan	0.246	0.251	0.251	0.252	0.243	0.235	0.246	2.75
54)	T	trans-1,3-Dichlor	0.414	0.428	0.427	0.433	0.425	0.417	0.424	1.68
55)	T	1,1,2-Trichloroet	0.279	0.264	0.265	0.260	0.254	0.247	0.261	4.13
56)	I	Chlorobenzene-d5 (IS3 ----------ISTD----------								
57)	S	Toluene-d8 (SS2)	2.035	2.050	2.019	2.020	2.038	2.048	2.035	0.65

Method Path : J:\MS08\METHODS\
Method File : R8120606.M
Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
Last Update : Thu Dec 07 08:17:50 2006
Response Via : Initial Calibration

Calibration Files
0.5 =12060607.D 1 =12060608.D 5 =12060609.D 25 =12060610.D
50 =12060611.D 100 =12060612.D =

		Compound	0.5	1	5	25	50	100	Avg	%RSD
58)	T	Toluene	2.305	2.217	2.072	1.959	1.890	1.804	2.041	9.48
59)	T	2-Hexanone	1.164	1.179	1.176	1.194	1.168	1.112	1.166	2.41
60)	T	Dibromochlorometh	0.525	0.520	0.511	0.523	0.513	0.501	0.515	1.71
61)	T	1,2-Dibromoethane	0.557	0.570	0.554	0.555	0.538	0.521	0.549	3.06
62)	T	Butyl Acetate	1.269	1.306	1.284	1.329	1.298	1.243	1.288	2.32
63)	T	n-Octane	0.461	0.455	0.436	0.409	0.394	0.378	0.422	8.00
64)	T	Tetrachloroethene	0.484	0.488	0.454	0.432	0.424	0.418	0.450	6.85
65)	T	Chlorobenzene	1.430	1.414	1.334	1.289	1.234	1.190	1.315	7.31
66)	T	Ethylbenzene	2.597	2.555	2.438	2.376	2.251	2.123	2.390	7.56
67)	T	m- & p-Xylene	1.644	1.666	1.591	1.534	1.448	1.345	1.538	8.01
68)	T	Bromoform	0.297	0.310	0.324	0.336	0.328	0.318	0.319	4.45
69)	T	Styrene	1.389	1.420	1.427	1.426	1.371	1.291	1.387	3.79
70)	T	o-Xylene	1.782	1.777	1.715	1.668	1.578	1.460	1.663	7.53
71)	T	n-Nonane	1.089	1.104	1.049	1.034	0.979	0.911	1.028	7.04
72)	T	1,1,2,2-Tetrachlo	0.820	0.819	0.808	0.809	0.773	0.734	0.794	4.26
73)	S	Bromofluorobenzen	0.594	0.601	0.600	0.601	0.597	0.591	0.597	0.68
74)	T	Cumene	2.295	2.288	2.198	2.136	2.019	1.913	2.142	7.10
75)	T	alpha-Pinene	1.184	1.221	1.155	1.132	1.091	1.049	1.139	5.47
76)	T	n-Propylbenzene	3.105	3.061	2.960	2.912	2.725	2.497	2.877	7.95
77)	T	3-Ethyltoluene	2.486	2.443	2.387	2.378	2.266	2.133	2.349	5.50
78)	T	4-Ethyltoluene	2.322	2.359	2.270	2.192	2.012	1.880	2.172	8.69
79)	T	1,3,5-Trimethylbe	2.007	2.061	1.967	1.930	1.813	1.701	1.913	6.97
80)	T	alpha-Methylstyre	0.999	1.013	1.034	1.071	1.025	0.976	1.020	3.16
81)	T	2-Ethyltoluene	2.515	2.533	2.435	2.396	2.231	2.083	2.366	7.42
82)	T	1,2,4-Trimethylbe	1.990	2.016	1.965	1.915	1.812	1.702	1.900	6.37
83)	T	n-Decane	1.194	1.176	1.156	1.109	1.047	0.967	1.108	7.85
84)	T	Benzyl Chloride	1.734	1.810	1.859	1.921	1.826	1.681	1.805	4.80
85)	T	1,3-Dichlorobenze	1.065	1.068	1.025	1.004	0.961	0.918	1.007	5.88
86)	T	1,4-Dichlorobenze	1.016	1.037	1.003	0.986	0.936	0.887	0.977	5.75
87)	T	sec-Butylbenzene	2.730	2.719	2.625	2.531	2.348	2.159	2.519	8.96
88)	T	p-Isopropyltoluen	2.142	2.181	2.104	2.051	1.939	1.781	2.033	7.33
89)	T	1,2,3-Trimethylbe	2.009	1.965	1.913	1.853	1.747	1.635	1.854	7.60
90)	T	1,2-Dichlorobenze	1.026	0.992	0.951	0.939	0.891	0.835	0.939	7.33
91)	T	d-Limonene	0.781	0.798	0.827	0.829	0.781	0.733	0.792	4.52
92)	T	1,2-Dibromo-3-Chl	0.259	0.288	0.321	0.342	0.340	0.325	0.313	10.42
93)	T	n-Undecane	1.102	1.122	1.077	0.998	0.982	0.927	1.035	7.43
94)	T	1,2,4-Trichlorobe	0.189	0.196	0.182	0.185	0.186	0.185	0.187	2.56
95)	T	Naphthalene	2.120	2.196	2.197	2.281	2.280	2.184	2.210	2.80
96)	T	n-Dodecane	0.801	0.833	0.778	0.686	0.692	0.679	0.745	9.00
97)	T	Hexachloro-1,3-bu	0.303	0.310	0.304	0.298	0.300	0.300	0.303	1.32

#) = Out of Range

Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2006_012\15\
Data File : 12150601.D
Acq On : 15 Dec 2006 9:03
Operator : LM
Sample : 25ng TO-15 CCV STD
Misc : S15-12050601/S15-12050606
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 15 09:49:02 2006
Quant Method : J:\MS08\METHODS\R8120606.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Thu Dec 07 08:17:50 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	89	0.01
2	T	Propene	1.223	0.944	22.8	82	0.01
3	T	Dichlorodifluoromethane	2.559	2.192	14.3	83	0.02
4	T	Chloromethane	2.080	1.752	15.8	81	0.01
5	T	Freon 114	0.675	0.604	10.5	89	0.02
6	T	Vinyl Chloride	1.418	1.114	21.4	80	0.01
7	T	1,3-Butadiene	1.375	1.134	17.5	83	0.02
8	T	Bromomethane	1.051	0.886	15.7	85	0.02
9	T	Chloroethane	0.974	0.808	17.0	82	0.02
10	T	Ethanol	0.753	0.796	-5.7	78	0.02
11	T	Acetonitrile	2.237	2.112	5.6	79	0.02
12	T	Acrolein	0.731	0.645	11.8	81	0.02
13	T	Acetone	1.046	0.759	27.4	82	0.02
14	T	Trichlorofluoromethane	1.741	1.540	11.5	83	0.02
15	T	Isopropanol	3.201	2.964	7.4	79	0.02
16	T	Acrylonitrile	1.580	1.464	7.3	80	0.02
17	T	1,1-Dichloroethene	1.172	1.049	10.5	83	0.01
18	T	tert-Butanol	2.959	2.634	11.0	82	0.02
19	T	Methylene Chloride	1.345	1.150	14.5	83	0.02
20	T	Allyl Chloride	1.722	1.518	11.8	78	0.01
21	T	Trichlorotrifluoroethane	0.683	0.533	22.0	90	0.01
22	T	Carbon Disulfide	4.831	4.107	15.0	83	0.01
23	T	trans-1,2-Dichloroethene	1.881	1.586	15.7	79	0.01
24	T	1,1-Dichloroethane	1.910	1.634	14.5	79	0.02
25	T	Methyl tert-Butyl Ether	3.036	2.538	16.4	87	0.00
26	T	Vinyl Acetate	0.253	0.232	8.3	86	0.01
27	T	2-Butanone	0.805	0.711	11.7	84	0.02
28	T	cis-1,2-Dichloroethene	1.761	1.490	15.4	78	0.01
29	T	Diisopropyl Ether	0.832	0.727	12.6	87	0.01
30	T	Ethyl Acetate	0.404	0.339	16.1	82	0.01
31	T	n-Hexane	1.584	1.243	21.5	85	0.01
32	T	Chloroform	1.869	1.629	12.8	83	0.01
33	S	1,2-Dichloroethane-d4(SS1)	1.877	1.741	7.2	84	0.01
34	T	Tetrahydrofuran	0.759	0.663	12.6	85	0.00
35	T	Ethyl tert-Butyl Ether	1.261	1.102	12.6	87	0.00
36	T	1,2-Dichloroethane	1.709	1.411	17.4	78	0.01
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	90	0.00
38	T	1,1,1-Trichloroethane	0.411	0.354	13.9	82	0.00
39	T	Isopropyl Acetate	0.169	0.150	11.2	81	0.00
40	T	1-Butanol	0.202	0.243	-20.3	79	0.00
41	T	Benzene	1.053	0.898	14.7	83	0.00
42	T	Carbon Tetrachloride	0.336	0.299	11.0	82	0.00
43	T	Cyclohexane	0.367	0.315	14.2	86	0.00
44	T	tert-Amyl Methyl Ether	0.728	0.641	12.0	83	0.00
45	T	1,2-Dichloropropane	0.268	0.231	13.8	80	0.00
46	T	Bromodichloromethane	0.361	0.326	9.7	80	0.00
47	T	Trichloroethene	0.238	0.218	8.4	85	0.00
48	T	1,4-Dioxane	0.207	0.195	5.8	83	0.00
49	T	Isooctane	0.987	0.826	16.3	81	0.00
50	T	Methyl Methacrylate	0.102	0.099	2.9	85	0.00
51	T	n-Heptane	0.256	0.218	14.8	81	0.00

LM 12/18/06

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2006_012\15\
Data File : 12150601.D
Acq On : 15 Dec 2006 9:03
Operator : LM
Sample : 25ng TO-15 CCV STD
Misc : S15-12050601/S15-12050606
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 15 09:49:02 2006
Quant Method : J:\MS08\METHODS\R8120606.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Thu Dec 07 08:17:50 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52	T	cis-1,3-Dichloropropene	0.455	0.402	11.6	80	0.00
53	T	4-Methyl-2-pentanone	0.246	0.222	9.8	80	0.00
54	T	trans-1,3-Dichloropropene	0.424	0.372	12.3	77	0.00
55	T	1,1,2-Trichloroethane	0.261	0.235	10.0	82	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	87	0.00
57	S	Toluene-d8 (SS2)	2.035	1.995	2.0	86	0.00
58	T	Toluene	2.041	1.819	10.9	81	0.00
59	T	2-Hexanone	1.166	1.038	11.0	76	0.00
60	T	Dibromochloromethane	0.515	0.479	7.0	80	0.00
61	T	1,2-Dibromoethane	0.549	0.510	7.1	80	0.00
62	T	Butyl Acetate	1.288	1.152	10.6	76	0.00
63	T	n-Octane	0.422	0.374	11.4	80	0.00
64	T	Tetrachloroethene	0.450	0.412	8.4	83	0.00
65	T	Chlorobenzene	1.315	1.188	9.7	80	0.00
66	T	Ethylbenzene	2.390	2.171	9.2	80	0.00
67	T	m- & p-Xylene	1.538	1.399	9.0	80	0.00
68	T	Bromoform	0.319	0.313	1.9	81	0.00
69	T	Styrene	1.387	1.330	4.1	81	0.00
70	T	o-Xylene	1.663	1.514	9.0	79	0.00
71	T	n-Nonane	1.028	0.886	13.8	75	0.00
72	T	1,1,2,2-Tetrachloroethane	0.794	0.733	7.7	79	0.00
73	S	Bromofluorobenzene (SS3)	0.597	0.666	-11.6	97	0.00
74	T	Cumene	2.142	1.980	7.6	81	0.00
75	T	alpha-Pinene	1.139	1.035	9.1	80	0.00
76	T	n-Propylbenzene	2.877	2.650	7.9	79	0.00
77	T	3-Ethyltoluene	2.349	2.211	5.9	81	0.00
78	T	4-Ethyltoluene	2.172	1.997	8.1	80	0.00
79	T	1,3,5-Trimethylbenzene	1.913	1.788	6.5	81	0.00
80	T	alpha-Methylstyrene	1.020	0.994	2.5	81	0.00
81	T	2-Ethyltoluene	2.366	2.206	6.8	80	0.00
82	T	1,2,4-Trimethylbenzene	1.900	1.775	6.6	81	0.00
83	T	n-Decane	1.108	0.981	11.5	77	0.00
84	T	Benzyl Chloride	1.805	1.721	4.7	78	0.00
85	T	1,3-Dichlorobenzene	1.007	0.962	4.5	84	0.00
86	T	1,4-Dichlorobenzene	0.977	0.930	4.8	82	0.00
87	T	sec-Butylbenzene	2.519	2.359	6.4	81	0.00
88	T	p-Isopropyltoluene	2.033	1.906	6.2	81	0.00
89	T	1,2,3-Trimethylbenzene	1.854	1.748	5.7	82	0.00
90	T	1,2-Dichlorobenzene	0.939	0.897	4.5	83	0.00
91	T	d-Limonene	0.792	0.748	5.6	79	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.313	0.334	-6.7	85	0.00
93	T	n-Undecane	1.035	0.941	9.1	82	0.00
94	T	1,2,4-Trichlorobenzene	0.187	0.200	-7.0	95	0.00
95	T	Naphthalene	2.210	2.434	-10.1	93	0.00
96	T	n-Dodecane	0.745	0.728	2.3	93	0.00
97	T	Hexachloro-1,3-butadiene	0.303	0.322	-6.3	94	0.00

LM 12/18/06

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2006_012\15\
Data File : 12150605.D
Acq On : 15 Dec 2006 12:50
Operator : LM
Sample : 1ng TO-15 CCV STD
Misc : S15-12050601/S15-12050605
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 27 10:05:50 2006
Quant Method : J:\MS08\METHODS\R8120606.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Thu Dec 07 08:17:50 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	88	-0.01
2	T	Propene	1.223	1.403	-14.7	83	0.02
3	T	Dichlorodifluoromethane	2.559	2.679	-4.7	80	0.01
4	T	Chloromethane	2.080	2.029	2.5	78	0.00
5	T	Freon 114	0.675	0.875	-29.6	95	0.02
6	T	Vinyl Chloride	1.418	1.671	-17.8	82	0.00
7	T	1,3-Butadiene	1.375	1.427	-3.8	79	0.01
8	T	Bromomethane	1.051	1.082	-2.9	80	0.01
9	T	Chloroethane	0.974	0.980	-0.6	79	0.00
10	T	Ethanol	0.753	0.537	28.7	83	-0.02
11	T	Acetonitrile	2.237	1.855	17.1	77	0.00
12	T	Acrolein	0.731	0.644	11.9	79	0.02
13	T	Acetone	1.046	1.189	-13.7	91	0.00
14	T	Trichlorofluoromethane	1.741	1.809	-3.9	85	0.00
15	T	Isopropanol	3.201	3.208	-0.2	80	-0.01
16	T	Acrylonitrile	1.580	1.347	14.7	81	0.00
17	T	1,1-Dichloroethene	1.172	1.135	3.2	78	0.00
18	T	tert-Butanol	2.959	3.060	-3.4	76	0.00
19	T	Methylene Chloride	1.345	1.367	-1.6	83	0.00
20	T	Allyl Chloride	1.722	1.417	17.7	73	0.00
21	T	Trichlorotrifluoroethane	0.683	0.778	-13.9	88	0.00
22	T	Carbon Disulfide	4.831	4.864	-0.7	79	0.00
23	T	trans-1,2-Dichloroethene	1.881	1.679	10.7	75	0.00
24	T	1,1-Dichloroethane	1.910	1.921	-0.6	84	0.00
25	T	Methyl tert-Butyl Ether	3.036	3.097	-2.0	77	0.00
26	T	Vinyl Acetate	0.253	0.254	-0.4	76	0.00
27	T	2-Butanone	0.805	0.804	0.1	85	0.00
28	T	cis-1,2-Dichloroethene	1.761	1.602	9.0	76	-0.01
29	T	Diisopropyl Ether	0.832	0.923	-10.9	84	0.00
30	T	Ethyl Acetate	0.404	0.386	4.5	77	0.00
31	T	n-Hexane	1.584	1.770	-11.7	83	0.00
32	T	Chloroform	1.869	1.954	-4.5	81	-0.01
33	S	1,2-Dichloroethane-d4(SS1)	1.877	1.813	3.4	81	0.00
34	T	Tetrahydrofuran	0.759	0.728	4.1	79	0.00
35	T	Ethyl tert-Butyl Ether	1.261	1.346	-6.7	83	0.00
36	T	1,2-Dichloroethane	1.709	1.589	7.0	77	-0.01
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	89	0.00
38	T	1,1,1-Trichloroethane	0.411	0.386	6.1	79	-0.01
39	T	Isopropyl Acetate	0.169	0.153	9.5	77	0.00
40	T	1-Butanol	0.202	0.143	29.2	94	0.01
41	T	Benzene	1.053	1.014	3.7	77	0.00
42	T	Carbon Tetrachloride	0.336	0.312	7.1	82	0.00
43	T	Cyclohexane	0.367	0.382	-4.1	84	0.00
44	T	tert-Amyl Methyl Ether	0.728	0.704	3.3	80	0.00
45	T	1,2-Dichloropropane	0.268	0.250	6.7	81	0.00
46	T	Bromodichloromethane	0.361	0.327	9.4	80	0.00
47	T	Trichloroethene	0.238	0.246	-3.4	90	0.00
48	T	1,4-Dioxane	0.207	0.189	8.7	82	0.00
49	T	Isooctane	0.987	0.967	2.0	80	0.00
50	T	Methyl Methacrylate	0.102	0.095	6.9	84	0.00
51	T	n-Heptane	0.256	0.253	1.2	83	0.00

LM 12/27/06

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2006_012\15\
Data File : 12150605.D
Acq On : 15 Dec 2006 12:50
Operator : LM
Sample : 1ng TO-15 CCV STD
Misc : S15-12050601/S15-12050605
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 27 10:05:50 2006
Quant Method : J:\MS08\METHODS\R8120606.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Thu Dec 07 08:17:50 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52	T	cis-1,3-Dichloropropene	0.455	0.413	9.2	79	0.00
53	T	4-Methyl-2-pentanone	0.246	0.227	7.7	80	0.00
54	T	trans-1,3-Dichloropropene	0.424	0.369	13.0	77	0.00
55	T	1,1,2-Trichloroethane	0.261	0.237	9.2	80	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	87	0.00
57	S	Toluene-d8 (SS2)	2.035	2.037	-0.1	86	0.00
58	T	Toluene	2.041	2.073	-1.6	81	0.00
59	T	2-Hexanone	1.166	1.019	12.6	75	0.00
60	T	Dibromochloromethane	0.515	0.489	5.0	82	0.00
61	T	1,2-Dibromoethane	0.549	0.545	0.7	83	0.00
62	T	Butyl Acetate	1.288	1.122	12.9	75	0.00
63	T	n-Octane	0.422	0.413	2.1	79	0.00
64	T	Tetrachloroethene	0.450	0.466	-3.6	83	0.00
65	T	Chlorobenzene	1.315	1.322	-0.5	81	0.00
66	T	Ethylbenzene	2.390	2.350	1.7	80	0.00
67	T	m- & p-Xylene	1.538	1.521	1.1	79	0.00
68	T	Bromoform	0.319	0.296	7.2	83	0.00
69	T	Styrene	1.387	1.306	5.8	80	0.00
70	T	o-Xylene	1.663	1.662	0.1	81	0.00
71	T	n-Nonane	1.028	0.962	6.4	76	0.00
72	T	1,1,2,2-Tetrachloroethane	0.794	0.759	4.4	81	-0.01
73	S	Bromofluorobenzene (SS3)	0.597	0.661	-10.7	96	0.00
74	T	Cumene	2.142	2.202	-2.8	84	0.00
75	T	alpha-Pinene	1.139	1.096	3.8	78	0.00
76	T	n-Propylbenzene	2.877	2.867	0.3	81	0.00
77	T	3-Ethyltoluene	2.349	2.330	0.8	83	0.00
78	T	4-Ethyltoluene	2.172	2.191	-0.9	81	0.00
79	T	1,3,5-Trimethylbenzene	1.913	1.899	0.7	80	0.00
80	T	alpha-Methylstyrene	1.020	0.937	8.1	80	0.00
81	T	2-Ethyltoluene	2.366	2.398	-1.4	82	0.00
82	T	1,2,4-Trimethylbenzene	1.900	1.915	-0.8	83	0.00
83	T	n-Decane	1.108	1.038	6.3	77	0.00
84	T	Benzyl Chloride	1.805	1.647	8.8	79	0.00
85	T	1,3-Dichlorobenzene	1.007	1.024	-1.7	83	0.00
86	T	1,4-Dichlorobenzene	0.977	0.989	-1.2	83	0.00
87	T	sec-Butylbenzene	2.519	2.535	-0.6	81	0.00
88	T	p-Isopropyltoluene	2.033	2.011	1.1	80	0.00
89	T	1,2,3-Trimethylbenzene	1.854	1.839	0.8	81	0.00
90	T	1,2-Dichlorobenzene	0.939	0.961	-2.3	84	0.00
91	T	d-Limonene	0.792	0.693	12.5	75	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.313	0.281	10.2	85	0.00
93	T	n-Undecane	1.035	0.916	11.5	71	0.00
94	T	1,2,4-Trichlorobenzene	0.187	0.171	8.6	76	0.00
95	T	Naphthalene	2.210	2.083	5.7	82	0.00
96	T	n-Dodecane	0.745	0.756	-1.5	79	0.00
97	T	Hexachloro-1,3-butadiene	0.303	0.318	-5.0	89	0.00

LM 12/27/06

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2006_012\15\
Data File : 12150617.D
Acq On : 15 Dec 2006 21:56
Operator : LM
Sample : 25ng TO-15 CCV STD
Misc : S15-12050601/S15/12050606
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 27 10:08:52 2006
Quant Method : J:\MS08\METHODS\R8120606.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Thu Dec 07 08:17:50 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	82	0.00
2	T	Propene	1.223	0.959	21.6	76	0.00
3	T	Dichlorodifluoromethane	2.559	2.173	15.1	75	0.00
4	T	Chloromethane	2.080	1.789	14.0	75	0.00
5	T	Freon 114	0.675	0.565	16.3	76	0.00
6	T	Vinyl Chloride	1.418	1.315	7.3	86	0.00
7	T	1,3-Butadiene	1.375	1.145	16.7	76	0.00
8	T	Bromomethane	1.051	0.894	14.9	78	0.00
9	T	Chloroethane	0.974	0.822	15.6	76	0.00
10	T	Ethanol	0.753	0.791	-5.0	70	0.01
11	T	Acetonitrile	2.237	2.136	4.5	73	0.00
12	T	Acrolein	0.731	0.637	12.9	73	0.01
13	T	Acetone	1.046	0.767	26.7	76	0.00
14	T	Trichlorofluoromethane	1.741	1.531	12.1	75	0.00
15	T	Isopropanol	3.201	2.977	7.0	72	0.00
16	T	Acrylonitrile	1.580	1.468	7.1	73	0.00
17	T	1,1-Dichloroethene	1.172	1.042	11.1	75	0.00
18	T	tert-Butanol	2.959	2.453	17.1	69	0.00
19	T	Methylene Chloride	1.345	1.152	14.3	76	0.00
20	T	Allyl Chloride	1.722	1.527	11.3	71	0.00
21	T	Trichlorotrifluoroethane	0.683	0.545	20.2	84	0.00
22	T	Carbon Disulfide	4.831	4.168	13.7	77	0.00
23	T	trans-1,2-Dichloroethene	1.881	1.615	14.1	73	0.00
24	T	1,1-Dichloroethane	1.910	1.666	12.8	73	0.01
25	T	Methyl tert-Butyl Ether	3.036	2.495	17.8	78	0.00
26	T	Vinyl Acetate	0.253	0.231	8.7	78	0.00
27	T	2-Butanone	0.805	0.720	10.6	77	0.01
28	T	cis-1,2-Dichloroethene	1.761	1.513	14.1	73	0.00
29	T	Diisopropyl Ether	0.832	0.742	10.8	81	0.00
30	T	Ethyl Acetate	0.404	0.349	13.6	77	0.00
31	T	n-Hexane	1.584	1.297	18.1	81	0.00
32	T	Chloroform	1.869	1.638	12.4	76	0.00
33	S	1,2-Dichloroethane-d4(SS1)	1.877	1.805	3.8	79	0.00
34	T	Tetrahydrofuran	0.759	0.679	10.5	79	0.00
35	T	Ethyl tert-Butyl Ether	1.261	1.107	12.2	80	0.00
36	T	1,2-Dichloroethane	1.709	1.475	13.7	74	0.00
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	84	0.00
38	T	1,1,1-Trichloroethane	0.411	0.358	12.9	77	0.00
39	T	Isopropyl Acetate	0.169	0.153	9.5	77	0.00
40	T	1-Butanol	0.202	0.242	-19.8	73	0.00
41	T	Benzene	1.053	0.910	13.6	79	0.00
42	T	Carbon Tetrachloride	0.336	0.307	8.6	78	0.00
43	T	Cyclohexane	0.367	0.319	13.1	81	0.00
44	T	tert-Amyl Methyl Ether	0.728	0.645	11.4	77	0.00
45	T	1,2-Dichloropropane	0.268	0.237	11.6	77	0.00
46	T	Bromodichloromethane	0.361	0.334	7.5	77	0.00
47	T	Trichloroethene	0.238	0.219	8.0	80	0.00
48	T	1,4-Dioxane	0.207	0.196	5.3	77	0.00
49	T	Isooctane	0.987	0.848	14.1	77	0.00
50	T	Methyl Methacrylate	0.102	0.099	2.9	79	0.00
51	T	n-Heptane	0.256	0.221	13.7	77	0.00

LM 12/27/06

Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2006_012\15\
Data File : 12150617.D
Acq On : 15 Dec 2006 21:56
Operator : LM
Sample : 25ng TO-15 CCV STD
Misc : S15-12050601/S15/12050606
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 27 10:08:52 2006
Quant Method : J:\MS08\METHODS\R8120606.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Thu Dec 07 08:17:50 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52	T	cis-1,3-Dichloropropene	0.455	0.410	9.9	76	0.00
53	T	4-Methyl-2-pentanone	0.246	0.226	8.1	75	0.00
54	T	trans-1,3-Dichloropropene	0.424	0.384	9.4	75	0.00
55	T	1,1,2-Trichloroethane	0.261	0.237	9.2	77	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	82	0.00
57	S	Toluene-d8 (SS2)	2.035	2.010	1.2	82	0.00
58	T	Toluene	2.041	1.821	10.8	76	0.00
59	T	2-Hexanone	1.166	1.056	9.4	73	0.00
60	T	Dibromochloromethane	0.515	0.482	6.4	76	0.00
61	T	1,2-Dibromoethane	0.549	0.511	6.9	76	0.00
62	T	Butyl Acetate	1.288	1.175	8.8	73	0.00
63	T	n-Octane	0.422	0.376	10.9	75	0.00
64	T	Tetrachloroethene	0.450	0.412	8.4	78	0.00
65	T	Chlorobenzene	1.315	1.196	9.0	76	0.00
66	T	Ethylbenzene	2.390	2.181	8.7	75	0.00
67	T	m- & p-Xylene	1.538	1.410	8.3	76	0.00
68	T	Bromoform	0.319	0.314	1.6	77	0.00
69	T	Styrene	1.387	1.327	4.3	76	0.00
70	T	o-Xylene	1.663	1.530	8.0	75	0.00
71	T	n-Nonane	1.028	0.907	11.8	72	0.00
72	T	1,1,2,2-Tetrachloroethane	0.794	0.741	6.7	75	0.00
73	S	Bromofluorobenzene (SS3)	0.597	0.636	-6.5	87	0.00
74	T	Cumene	2.142	1.978	7.7	76	0.00
75	T	alpha-Pinene	1.139	1.043	8.4	76	0.00
76	T	n-Propylbenzene	2.877	2.671	7.2	75	0.00
77	T	3-Ethyltoluene	2.349	2.167	7.7	75	0.00
78	T	4-Ethyltoluene	2.172	2.035	6.3	76	0.00
79	T	1,3,5-Trimethylbenzene	1.913	1.780	7.0	76	0.00
80	T	alpha-Methylstyrene	1.020	0.986	3.3	76	0.00
81	T	2-Ethyltoluene	2.366	2.203	6.9	76	0.00
82	T	1,2,4-Trimethylbenzene	1.900	1.769	6.9	76	0.00
83	T	n-Decane	1.108	0.990	10.6	73	0.00
84	T	Benzyl Chloride	1.805	1.722	4.6	74	0.00
85	T	1,3-Dichlorobenzene	1.007	0.945	6.2	77	0.00
86	T	1,4-Dichlorobenzene	0.977	0.923	5.5	77	0.00
87	T	sec-Butylbenzene	2.519	2.356	6.5	76	0.00
88	T	p-Isopropyltoluene	2.033	1.916	5.8	77	0.00
89	T	1,2,3-Trimethylbenzene	1.854	1.725	7.0	76	0.00
90	T	1,2-Dichlorobenzene	0.939	0.881	6.2	77	0.00
91	T	d-Limonene	0.792	0.752	5.1	74	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.313	0.326	-4.2	78	0.00
93	T	n-Undecane	1.035	0.898	13.2	74	0.00
94	T	1,2,4-Trichlorobenzene	0.187	0.181	3.2	80	0.00
95	T	Naphthalene	2.210	2.228	-0.8	80	0.00
96	T	n-Dodecane	0.745	0.654	12.2	78	0.00
97	T	Hexachloro-1,3-butadiene	0.303	0.301	0.7	83	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

LM 12/27/06

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2006_012\18\
Data File : 12180601.D
Acq On : 18 Dec 2006 7:08
Operator : LM
Sample : 25ng TO-15 CCV STD
Misc : S15-12050601/S15-12050606
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 07:34:48 2006
Quant Method : J:\MS08\METHODS\R8120606.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Thu Dec 07 08:17:50 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	89	0.01
2	T	Propene	1.223	1.008	17.6	87	0.00
3	T	Dichlorodifluoromethane	2.559	2.257	11.8	85	0.01
4	T	Chloromethane	2.080	1.830	12.0	85	0.01
5	T	Freon 114	0.675	0.640	5.2	94	0.01
6	T	Vinyl Chloride	1.418	1.129	20.4	81	0.01
7	T	1,3-Butadiene	1.375	1.163	15.4	85	0.02
8	T	Bromomethane	1.051	0.919	12.6	88	0.02
9	T	Chloroethane	0.974	0.824	15.4	84	0.02
10	T	Ethanol	0.753	0.816	-8.4	79	0.03
11	T	Acetonitrile	2.237	2.169	3.0	81	0.03
12	T	Acrolein	0.731	0.650	11.1	81	0.02
13	T	Acetone	1.046	0.771	26.3	84	0.02
14	T	Trichlorofluoromethane	1.741	1.583	9.1	85	0.01
15	T	Isopropanol	3.201	3.010	6.0	80	0.03
16	T	Acrylonitrile	1.580	1.475	6.6	81	0.02
17	T	1,1-Dichloroethene	1.172	1.057	9.8	84	0.01
18	T	tert-Butanol	2.959	2.598	12.2	80	0.03
19	T	Methylene Chloride	1.345	1.154	14.2	83	0.02
20	T	Allyl Chloride	1.722	1.545	10.3	79	0.01
21	T	Trichlorotrifluoroethane	0.683	0.554	18.9	94	0.01
22	T	Carbon Disulfide	4.831	4.142	14.3	84	0.01
23	T	trans-1,2-Dichloroethene	1.881	1.611	14.4	80	0.01
24	T	1,1-Dichloroethane	1.910	1.666	12.8	80	0.02
25	T	Methyl tert-Butyl Ether	3.036	2.546	16.1	87	0.01
26	T	Vinyl Acetate	0.253	0.238	5.9	88	0.01
27	T	2-Butanone	0.805	0.710	11.8	83	0.02
28	T	cis-1,2-Dichloroethene	1.761	1.505	14.5	79	0.01
29	T	Diisopropyl Ether	0.832	0.740	11.1	88	0.01
30	T	Ethyl Acetate	0.404	0.340	15.8	82	0.02
31	T	n-Hexane	1.584	1.286	18.8	88	0.00
32	T	Chloroform	1.869	1.654	11.5	84	0.01
33	S	1,2-Dichloroethane-d4(SS1)	1.877	1.795	4.4	86	0.01
34	T	Tetrahydrofuran	0.759	0.661	12.9	85	0.01
35	T	Ethyl tert-Butyl Ether	1.261	1.101	12.7	87	0.00
36	T	1,2-Dichloroethane	1.709	1.431	16.3	79	0.01
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	90	0.00
38	T	1,1,1-Trichloroethane	0.411	0.361	12.2	84	0.00
39	T	Isopropyl Acetate	0.169	0.152	10.1	82	0.00
40	T	1-Butanol	0.202	0.243	-20.3	79	0.00
41	T	Benzene	1.053	0.903	14.2	84	0.00
42	T	Carbon Tetrachloride	0.336	0.307	8.6	84	0.00
43	T	Cyclohexane	0.367	0.318	13.4	87	0.00
44	T	tert-Amyl Methyl Ether	0.728	0.642	11.8	83	0.00
45	T	1,2-Dichloropropane	0.268	0.233	13.1	80	0.00
46	T	Bromodichloromethane	0.361	0.336	6.9	83	0.00
47	T	Trichloroethene	0.238	0.218	8.4	85	0.00
48	T	1,4-Dioxane	0.207	0.195	5.8	82	0.00
49	T	Isooctane	0.987	0.835	15.4	81	0.00
50	T	Methyl Methacrylate	0.102	0.097	4.9	83	0.00
51	T	n-Heptane	0.256	0.219	14.5	82	0.00

LM 12/18/06

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2006_012\18\
Data File : 12180601.D
Acq On : 18 Dec 2006 7:08
Operator : LM
Sample : 25ng TO-15 CCV STD
Misc : S15-12050601/S15-12050606
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 07:34:48 2006
Quant Method : J:\MS08\METHODS\R8120606.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Thu Dec 07 08:17:50 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52	T	cis-1,3-Dichloropropene	0.455	0.403	11.4	80	0.00
53	T	4-Methyl-2-pentanone	0.246	0.221	10.2	79	0.00
54	T	trans-1,3-Dichloropropene	0.424	0.376	11.3	78	0.00
55	T	1,1,2-Trichloroethane	0.261	0.234	10.3	81	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	88	0.00
57	S	Toluene-d8 (SS2)	2.035	1.993	2.1	86	0.00
58	T	Toluene	2.041	1.803	11.7	81	0.00
59	T	2-Hexanone	1.166	1.043	10.5	76	0.00
60	T	Dibromochloromethane	0.515	0.482	6.4	81	0.00
61	T	1,2-Dibromoethane	0.549	0.508	7.5	80	0.00
62	T	Butyl Acetate	1.288	1.161	9.9	76	0.00
63	T	n-Octane	0.422	0.376	10.9	80	0.00
64	T	Tetrachloroethene	0.450	0.409	9.1	83	0.00
65	T	Chlorobenzene	1.315	1.182	10.1	80	0.00
66	T	Ethylbenzene	2.390	2.154	9.9	79	0.00
67	T	m- & p-Xylene	1.538	1.400	9.0	80	0.00
68	T	Bromoform	0.319	0.314	1.6	82	0.00
69	T	Styrene	1.387	1.318	5.0	81	0.00
70	T	o-Xylene	1.663	1.522	8.5	80	0.00
71	T	n-Nonane	1.028	0.889	13.5	75	0.00
72	T	1,1,2,2-Tetrachloroethane	0.794	0.730	8.1	79	0.00
73	S	Bromofluorobenzene (SS3)	0.597	0.647	-8.4	94	0.00
74	T	Cumene	2.142	1.962	8.4	80	0.00
75	T	alpha-Pinene	1.139	1.033	9.3	80	0.00
76	T	n-Propylbenzene	2.877	2.652	7.8	80	0.00
77	T	3-Ethyltoluene	2.349	2.158	8.1	79	0.00
78	T	4-Ethyltoluene	2.172	2.049	5.7	82	0.00
79	T	1,3,5-Trimethylbenzene	1.913	1.772	7.4	80	0.00
80	T	alpha-Methylstyrene	1.020	0.982	3.7	80	0.00
81	T	2-Ethyltoluene	2.366	2.196	7.2	80	0.00
82	T	1,2,4-Trimethylbenzene	1.900	1.781	6.3	81	0.00
83	T	n-Decane	1.108	0.982	11.4	77	0.00
84	T	Benzyl Chloride	1.805	1.717	4.9	78	0.00
85	T	1,3-Dichlorobenzene	1.007	0.952	5.5	83	0.00
86	T	1,4-Dichlorobenzene	0.977	0.919	5.9	82	0.00
87	T	sec-Butylbenzene	2.519	2.337	7.2	81	0.00
88	T	p-Isopropyltoluene	2.033	1.905	6.3	81	0.00
89	T	1,2,3-Trimethylbenzene	1.854	1.725	7.0	81	0.00
90	T	1,2-Dichlorobenzene	0.939	0.886	5.6	83	0.00
91	T	d-Limonene	0.792	0.743	6.2	78	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.313	0.323	-3.2	83	0.00
93	T	n-Undecane	1.035	0.901	12.9	79	0.00
94	T	1,2,4-Trichlorobenzene	0.187	0.189	-1.1	89	0.00
95	T	Naphthalene	2.210	2.281	-3.2	88	0.00
96	T	n-Dodecane	0.745	0.671	9.9	85	0.00
97	T	Hexachloro-1,3-butadiene	0.303	0.302	0.3	89	0.00

LM 12/18/06

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2006_012\18\
Data File : 12180605.D
Acq On : 18 Dec 2006 11:30
Operator : LM
Sample : 1ng TO-15 CCV STD
Misc : S15-12050601/S15-12050604
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 17:12:52 2006
Quant Method : J:\MS08\METHODS\R8120606.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Thu Dec 07 08:17:50 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	87	-0.01
2	T	Propene	1.223	1.481	-21.1	86	0.01
3	T	Dichlorodifluoromethane	2.559	2.781	-8.7	82	0.01
4	T	Chloromethane	2.080	2.088	-0.4	80	0.00
5	T	Freon 114	0.675	0.956	-41.6#	103	0.02
6	T	Vinyl Chloride	1.418	1.593	-12.3	78	0.00
7	T	1,3-Butadiene	1.375	1.483	-7.9	82	0.00
8	T	Bromomethane	1.051	1.128	-7.3	83	0.01
9	T	Chloroethane	0.974	1.030	-5.7	82	0.00
10	T	Ethanol	0.753	0.600	20.3	92	-0.01
11	T	Acetonitrile	2.237	1.924	14.0	80	0.01
12	T	Acrolein	0.731	0.680	7.0	83	0.01
13	T	Acetone	1.046	1.332	-27.3	101	0.00
14	T	Trichlorofluoromethane	1.741	1.860	-6.8	87	0.00
15	T	Isopropanol	3.201	3.291	-2.8	82	0.00
16	T	Acrylonitrile	1.580	1.403	11.2	83	0.00
17	T	1,1-Dichloroethene	1.172	1.170	0.2	80	0.00
18	T	tert-Butanol	2.959	3.235	-9.3	80	0.00
19	T	Methylene Chloride	1.345	1.371	-1.9	82	0.00
20	T	Allyl Chloride	1.722	1.451	15.7	74	0.00
21	T	Trichlorotrifluoroethane	0.683	0.857	-25.5	96	0.00
22	T	Carbon Disulfide	4.831	4.926	-2.0	80	0.00
23	T	trans-1,2-Dichloroethene	1.881	1.840	2.2	82	-0.01
24	T	1,1-Dichloroethane	1.910	2.029	-6.2	88	-0.01
25	T	Methyl tert-Butyl Ether	3.036	3.255	-7.2	80	0.00
26	T	Vinyl Acetate	0.253	0.286	-13.0	85	0.00
27	T	2-Butanone	0.805	0.823	-2.2	87	0.00
28	T	cis-1,2-Dichloroethene	1.761	1.635	7.2	77	-0.02
29	T	Diisopropyl Ether	0.832	0.968	-16.3	88	0.00
30	T	Ethyl Acetate	0.404	0.400	1.0	79	0.00
31	T	n-Hexane	1.584	1.901	-20.0	88	0.00
32	T	Chloroform	1.869	1.964	-5.1	80	-0.02
33	S	1,2-Dichloroethane-d4(SS1)	1.877	1.860	0.9	83	-0.01
34	T	Tetrahydrofuran	0.759	0.732	3.6	79	0.00
35	T	Ethyl tert-Butyl Ether	1.261	1.378	-9.3	84	0.00
36	T	1,2-Dichloroethane	1.709	1.614	5.6	78	-0.01
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	89	0.00
38	T	1,1,1-Trichloroethane	0.411	0.405	1.5	83	-0.01
39	T	Isopropyl Acetate	0.169	0.164	3.0	83	0.00
40	T	1-Butanol	0.202	0.137	32.2#	90	0.01
41	T	Benzene	1.053	1.045	0.8	80	0.00
42	T	Carbon Tetrachloride	0.336	0.329	2.1	87	-0.01
43	T	Cyclohexane	0.367	0.401	-9.3	88	-0.02
44	T	tert-Amyl Methyl Ether	0.728	0.719	1.2	82	0.00
45	T	1,2-Dichloropropane	0.268	0.251	6.3	81	-0.02
46	T	Bromodichloromethane	0.361	0.334	7.5	82	-0.01
47	T	Trichloroethene	0.238	0.242	-1.7	88	0.00
48	T	1,4-Dioxane	0.207	0.188	9.2	82	0.00
49	T	Isooctane	0.987	1.012	-2.5	84	0.00
50	T	Methyl Methacrylate	0.102	0.094	7.8	84	0.00
51	T	n-Heptane	0.256	0.263	-2.7	86	0.00

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Data Path : J:\MS08\Data\2006_012\18\
Data File : 12180605.D
Acq On : 18 Dec 2006 11:30
Operator : LM
Sample : 1ng TO-15 CCV STD
Misc : S15-12050601/S15-12050604
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 17:12:52 2006
Quant Method : J:\MS08\METHODS\R8120606.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Thu Dec 07 08:17:50 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52	T	cis-1,3-Dichloropropene	0.455	0.417	8.4	79	0.00
53	T	4-Methyl-2-pentanone	0.246	0.222	9.8	79	0.00
54	T	trans-1,3-Dichloropropene	0.424	0.370	12.7	77	0.00
55	T	1,1,2-Trichloroethane	0.261	0.239	8.4	81	-0.02
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	87	0.00
57	S	Toluene-d8 (SS2)	2.035	2.028	0.3	86	-0.01
58	T	Toluene	2.041	2.058	-0.8	81	0.00
59	T	2-Hexanone	1.166	1.041	10.7	77	0.00
60	T	Dibromochloromethane	0.515	0.499	3.1	84	-0.01
61	T	1,2-Dibromoethane	0.549	0.544	0.9	83	0.00
62	T	Butyl Acetate	1.288	1.131	12.2	75	0.00
63	T	n-Octane	0.422	0.412	2.4	79	0.00
64	T	Tetrachloroethene	0.450	0.461	-2.4	82	0.00
65	T	Chlorobenzene	1.315	1.299	1.2	80	-0.01
66	T	Ethylbenzene	2.390	2.351	1.6	80	-0.01
67	T	m- & p-Xylene	1.538	1.513	1.6	79	-0.03
68	T	Bromoform	0.319	0.297	6.9	83	0.00
69	T	Styrene	1.387	1.303	6.1	80	0.00
70	T	o-Xylene	1.663	1.642	1.3	81	-0.01
71	T	n-Nonane	1.028	0.941	8.5	74	0.00
72	T	1,1,2,2-Tetrachloroethane	0.794	0.760	4.3	81	-0.01
73	S	Bromofluorobenzene (SS3)	0.597	0.650	-8.9	94	0.00
74	T	Cumene	2.142	2.181	-1.8	83	0.00
75	T	alpha-Pinene	1.139	1.093	4.0	78	0.00
76	T	n-Propylbenzene	2.877	2.796	2.8	80	0.00
77	T	3-Ethyltoluene	2.349	2.295	2.3	82	0.00
78	T	4-Ethyltoluene	2.172	2.138	1.6	79	0.00
79	T	1,3,5-Trimethylbenzene	1.913	1.920	-0.4	81	0.00
80	T	alpha-Methylstyrene	1.020	0.901	11.7	78	0.00
81	T	2-Ethyltoluene	2.366	2.330	1.5	80	0.00
82	T	1,2,4-Trimethylbenzene	1.900	1.866	1.8	81	-0.01
83	T	n-Decane	1.108	1.037	6.4	77	0.00
84	T	Benzyl Chloride	1.805	1.610	10.8	78	0.00
85	T	1,3-Dichlorobenzene	1.007	0.985	2.2	80	-0.01
86	T	1,4-Dichlorobenzene	0.977	0.966	1.1	81	0.00
87	T	sec-Butylbenzene	2.519	2.478	1.6	79	0.00
88	T	p-Isopropyltoluene	2.033	1.974	2.9	79	0.00
89	T	1,2,3-Trimethylbenzene	1.854	1.819	1.9	81	0.00
90	T	1,2-Dichlorobenzene	0.939	0.926	1.4	81	0.00
91	T	d-Limonene	0.792	0.689	13.0	75	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.313	0.266	15.0	81	0.00
93	T	n-Undecane	1.035	0.945	8.7	73	0.00
94	T	1,2,4-Trichlorobenzene	0.187	0.166	11.2	74	0.00
95	T	Naphthalene	2.210	2.019	8.6	80	0.00
96	T	n-Dodecane	0.745	0.751	-0.8	79	0.00
97	T	Hexachloro-1,3-butadiene	0.303	0.289	4.6	81	0.00

LM 12/18/06

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2006_012\18\
Data File : 12180613.D
Acq On : 18 Dec 2006 18:48
Operator : LM
Sample : 25ng TO-15 CCV Std
Misc : S15-12050601/S15-12050606
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 12:59:56 2006
Quant Method : J:\MS08\METHODS\R8120606.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Thu Dec 07 08:17:50 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	88	0.00
2	T	Propene	1.223	0.981	19.8	84	0.00
3	T	Dichlorodifluoromethane	2.559	2.262	11.6	84	0.00
4	T	Chloromethane	2.080	1.835	11.8	84	0.00
5	T	Freon 114	0.675	0.631	6.5	92	0.00
6	T	Vinyl Chloride	1.418	1.260	11.1	89	0.00
7	T	1,3-Butadiene	1.375	1.209	12.1	87	0.00
8	T	Bromomethane	1.051	0.944	10.2	89	0.00
9	T	Chloroethane	0.974	0.861	11.6	86	0.00
10	T	Ethanol	0.753	0.859	-14.1	82	0.02
11	T	Acetonitrile	2.237	2.253	-0.7	83	0.01
12	T	Acrolein	0.731	0.681	6.8	84	0.01
13	T	Acetone	1.046	0.814	22.2	87	0.00
14	T	Trichlorofluoromethane	1.741	1.617	7.1	86	0.00
15	T	Isopropanol	3.201	3.168	1.0	83	0.01
16	T	Acrylonitrile	1.580	1.550	1.9	83	0.01
17	T	1,1-Dichloroethene	1.172	1.095	6.6	86	0.00
18	T	tert-Butanol	2.959	2.698	8.8	82	0.01
19	T	Methylene Chloride	1.345	1.212	9.9	86	0.00
20	T	Allyl Chloride	1.722	1.620	5.9	82	0.00
21	T	Trichlorotrifluoroethane	0.683	0.563	17.6	94	0.00
22	T	Carbon Disulfide	4.831	4.327	10.4	86	0.00
23	T	trans-1,2-Dichloroethene	1.881	1.678	10.8	82	0.00
24	T	1,1-Dichloroethane	1.910	1.753	8.2	83	0.00
25	T	Methyl tert-Butyl Ether	3.036	2.664	12.3	90	0.00
26	T	Vinyl Acetate	0.253	0.252	0.4	92	0.00
27	T	2-Butanone	0.805	0.757	6.0	88	0.00
28	T	cis-1,2-Dichloroethene	1.761	1.590	9.7	82	0.00
29	T	Diisopropyl Ether	0.832	0.771	7.3	90	0.00
30	T	Ethyl Acetate	0.404	0.363	10.1	86	0.00
31	T	n-Hexane	1.584	1.351	14.7	91	0.00
32	T	Chloroform	1.869	1.739	7.0	87	0.00
33	S	1,2-Dichloroethane-d4(SS1)	1.877	1.819	3.1	86	0.00
34	T	Tetrahydrofuran	0.759	0.701	7.6	88	0.00
35	T	Ethyl tert-Butyl Ether	1.261	1.165	7.6	90	0.00
36	T	1,2-Dichloroethane	1.709	1.526	10.7	83	0.00
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	90	0.00
38	T	1,1,1-Trichloroethane	0.411	0.373	9.2	87	0.00
39	T	Isopropyl Acetate	0.169	0.159	5.9	86	0.00
40	T	1-Butanol	0.202	0.256	-26.7	83	0.00
41	T	Benzene	1.053	0.936	11.1	87	0.00
42	T	Carbon Tetrachloride	0.336	0.316	6.0	87	0.00
43	T	Cyclohexane	0.367	0.329	10.4	90	0.00
44	T	tert-Amyl Methyl Ether	0.728	0.674	7.4	87	0.00
45	T	1,2-Dichloropropane	0.268	0.244	9.0	85	0.00
46	T	Bromodichloromethane	0.361	0.343	5.0	84	0.00
47	T	Trichloroethene	0.238	0.228	4.2	89	0.00
48	T	1,4-Dioxane	0.207	0.203	1.9	86	0.00
49	T	Isooctane	0.987	0.872	11.7	85	0.00
50	T	Methyl Methacrylate	0.102	0.103	-1.0	88	0.00
51	T	n-Heptane	0.256	0.227	11.3	85	0.00

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2006_012\18\
Data File : 12180613.D
Acq On : 18 Dec 2006 18:48
Operator : LM
Sample : 25ng TO-15 CCV Std
Misc : S15-12050601/S15-12050606
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 12:59:56 2006
Quant Method : J:\MS08\METHODS\R8120606.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Thu Dec 07 08:17:50 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52	T	cis-1,3-Dichloropropene	0.455	0.425	6.6	84	0.00
53	T	4-Methyl-2-pentanone	0.246	0.233	5.3	83	0.00
54	T	trans-1,3-Dichloropropene	0.424	0.396	6.6	83	0.00
55	T	1,1,2-Trichloroethane	0.261	0.245	6.1	85	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	88	0.00
57	S	Toluene-d8 (SS2)	2.035	1.995	2.0	87	0.00
58	T	Toluene	2.041	1.883	7.7	85	0.00
59	T	2-Hexanone	1.166	1.100	5.7	81	0.00
60	T	Dibromochloromethane	0.515	0.493	4.3	83	0.00
61	T	1,2-Dibromoethane	0.549	0.523	4.7	83	0.00
62	T	Butyl Acetate	1.288	1.223	5.0	81	0.00
63	T	n-Octane	0.422	0.391	7.3	84	0.00
64	T	Tetrachloroethene	0.450	0.420	6.7	86	0.00
65	T	Chlorobenzene	1.315	1.224	6.9	84	0.00
66	T	Ethylbenzene	2.390	2.242	6.2	83	0.00
67	T	m- & p-Xylene	1.538	1.453	5.5	83	0.00
68	T	Bromoform	0.319	0.323	-1.3	84	0.00
69	T	Styrene	1.387	1.359	2.0	84	0.00
70	T	o-Xylene	1.663	1.590	4.4	84	0.00
71	T	n-Nonane	1.028	0.946	8.0	80	0.00
72	T	1,1,2,2-Tetrachloroethane	0.794	0.758	4.5	82	0.00
73	S	Bromofluorobenzene (SS3)	0.597	0.645	-8.0	94	0.00
74	T	Cumene	2.142	2.043	4.6	84	0.00
75	T	alpha-Pinene	1.139	1.069	6.1	83	0.00
76	T	n-Propylbenzene	2.877	2.743	4.7	83	0.00
77	T	3-Ethyltoluene	2.349	2.226	5.2	82	0.00
78	T	4-Ethyltoluene	2.172	2.118	2.5	85	0.00
79	T	1,3,5-Trimethylbenzene	1.913	1.839	3.9	84	0.00
80	T	alpha-Methylstyrene	1.020	1.007	1.3	83	0.00
81	T	2-Ethyltoluene	2.366	2.281	3.6	84	0.00
82	T	1,2,4-Trimethylbenzene	1.900	1.842	3.1	85	0.00
83	T	n-Decane	1.108	1.036	6.5	82	0.00
84	T	Benzyl Chloride	1.805	1.797	0.4	82	0.00
85	T	1,3-Dichlorobenzene	1.007	0.983	2.4	86	0.00
86	T	1,4-Dichlorobenzene	0.977	0.947	3.1	85	0.00
87	T	sec-Butylbenzene	2.519	2.436	3.3	85	0.00
88	T	p-Isopropyltoluene	2.033	1.966	3.3	84	0.00
89	T	1,2,3-Trimethylbenzene	1.854	1.803	2.8	86	0.00
90	T	1,2-Dichlorobenzene	0.939	0.915	2.6	86	0.00
91	T	d-Limonene	0.792	0.780	1.5	83	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.313	0.341	-8.9	88	0.00
93	T	n-Undecane	1.035	0.964	6.9	85	0.00
94	T	1,2,4-Trichlorobenzene	0.187	0.200	-7.0	95	0.00
95	T	Naphthalene	2.210	2.415	-9.3	93	0.00
96	T	n-Dodecane	0.745	0.735	1.3	94	0.00
97	T	Hexachloro-1,3-butadiene	0.303	0.324	-6.9	96	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

LM 12/21/06

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2006_012\19\
Data File : 12190601.D
Acq On : 19 Dec 2006 8:39
Operator : LM
Sample : 25ng TO-15 CCV STD
Misc : S15-12050601/S15-12050606
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 09:05:38 2006
Quant Method : J:\MS08\METHODS\R8120606.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Thu Dec 07 08:17:50 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	76	0.01
2	T	Propene	1.223	1.107	9.5	82	0.00
3	T	Dichlorodifluoromethane	2.559	2.551	0.3	82	0.01
4	T	Chloromethane	2.080	2.039	2.0	80	0.00
5	T	Freon 114	0.675	0.686	-1.6	86	0.01
6	T	Vinyl Chloride	1.418	1.248	12.0	77	0.00
7	T	1,3-Butadiene	1.375	1.295	5.8	80	0.01
8	T	Bromomethane	1.051	0.998	5.0	82	0.01
9	T	Chloroethane	0.974	0.917	5.9	80	0.01
10	T	Ethanol	0.753	0.921	-22.3	76	0.03
11	T	Acetonitrile	2.237	2.448	-9.4	78	0.02
12	T	Acrolein	0.731	0.724	1.0	77	0.02
13	T	Acetone	1.046	0.856	18.2	79	0.02
14	T	Trichlorofluoromethane	1.741	1.744	-0.2	80	0.01
15	T	Isopropanol	3.201	3.451	-7.8	78	0.02
16	T	Acrylonitrile	1.580	1.642	-3.9	77	0.02
17	T	1,1-Dichloroethene	1.172	1.179	-0.6	80	0.00
18	T	tert-Butanol	2.959	3.085	-4.3	82	0.02
19	T	Methylene Chloride	1.345	1.297	3.6	79	0.02
20	T	Allyl Chloride	1.722	1.754	-1.9	77	0.00
21	T	Trichlorotrifluoroethane	0.683	0.595	12.9	86	0.00
22	T	Carbon Disulfide	4.831	4.711	2.5	81	0.00
23	T	trans-1,2-Dichloroethene	1.881	1.799	4.4	76	0.01
24	T	1,1-Dichloroethane	1.910	1.890	1.0	78	0.02
25	T	Methyl tert-Butyl Ether	3.036	2.874	5.3	84	0.00
26	T	Vinyl Acetate	0.253	0.257	-1.6	81	0.01
27	T	2-Butanone	0.805	0.807	-0.2	81	0.01
28	T	cis-1,2-Dichloroethene	1.761	1.691	4.0	76	0.01
29	T	Diisopropyl Ether	0.832	0.808	2.9	82	0.01
30	T	Ethyl Acetate	0.404	0.389	3.7	80	0.01
31	T	n-Hexane	1.584	1.430	9.7	84	0.00
32	T	Chloroform	1.869	1.850	1.0	80	0.01
33	S	1,2-Dichloroethane-d4(SS1)	1.877	1.870	0.4	77	0.01
34	T	Tetrahydrofuran	0.759	0.731	3.7	80	0.00
35	T	Ethyl tert-Butyl Ether	1.261	1.195	5.2	80	0.00
36	T	1,2-Dichloroethane	1.709	1.652	3.3	77	0.01
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	73	0.00
38	T	1,1,1-Trichloroethane	0.411	0.412	-0.2	78	0.00
39	T	Isopropyl Acetate	0.169	0.173	-2.4	76	0.00
40	T	1-Butanol	0.202	0.282	-39.6#	75	0.00
41	T	Benzene	1.053	1.014	3.7	77	0.00
42	T	Carbon Tetrachloride	0.336	0.347	-3.3	78	0.00
43	T	Cyclohexane	0.367	0.355	3.3	79	0.00
44	T	tert-Amyl Methyl Ether	0.728	0.744	-2.2	78	0.00
45	T	1,2-Dichloropropane	0.268	0.267	0.4	75	0.00
46	T	Bromodichloromethane	0.361	0.383	-6.1	77	0.00
47	T	Trichloroethene	0.238	0.238	0.0	76	0.00
48	T	1,4-Dioxane	0.207	0.215	-3.9	74	0.00
49	T	Isooctane	0.987	0.951	3.6	76	0.00
50	T	Methyl Methacrylate	0.102	0.111	-8.8	77	0.00
51	T	n-Heptane	0.256	0.246	3.9	75	0.00

LM 12/19/06

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Data Path : J:\MS08\Data\2006_012\19\
Data File : 12190601.D
Acq On : 19 Dec 2006 8:39
Operator : LM
Sample : 25ng TO-15 CCV STD
Misc : S15-12050601/S15-12050606
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 09:05:38 2006
Quant Method : J:\MS08\METHODS\R8120606.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Thu Dec 07 08:17:50 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52	T	cis-1,3-Dichloropropene	0.455	0.466	-2.4	75	0.00
53	T	4-Methyl-2-pentanone	0.246	0.256	-4.1	75	0.00
54	T	trans-1,3-Dichloropropene	0.424	0.441	-4.0	75	0.00
55	T	1,1,2-Trichloroethane	0.261	0.260	0.4	74	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	75	0.00
57	S	Toluene-d8 (SS2)	2.035	1.924	5.5	71	0.00
58	T	Toluene	2.041	1.930	5.4	73	0.00
59	T	2-Hexanone	1.166	1.199	-2.8	75	0.00
60	T	Dibromochloromethane	0.515	0.518	-0.6	74	0.00
61	T	1,2-Dibromoethane	0.549	0.543	1.1	73	0.00
62	T	Butyl Acetate	1.288	1.335	-3.6	75	0.00
63	T	n-Octane	0.422	0.408	3.3	74	0.00
64	T	Tetrachloroethene	0.450	0.420	6.7	73	0.00
65	T	Chlorobenzene	1.315	1.247	5.2	72	0.00
66	T	Ethylbenzene	2.390	2.345	1.9	74	0.00
67	T	m- & p-Xylene	1.538	1.533	0.3	74	0.00
68	T	Bromoform	0.319	0.341	-6.9	75	0.00
69	T	Styrene	1.387	1.385	0.1	72	0.00
70	T	o-Xylene	1.663	1.650	0.8	74	0.00
71	T	n-Nonane	1.028	1.022	0.6	74	0.00
72	T	1,1,2,2-Tetrachloroethane	0.794	0.788	0.8	73	0.00
73	S	Bromofluorobenzene (SS3)	0.597	0.621	-4.0	77	0.00
74	T	Cumene	2.142	2.106	1.7	73	0.00
75	T	alpha-Pinene	1.139	1.102	3.2	73	0.00
76	T	n-Propylbenzene	2.877	2.902	-0.9	74	0.00
77	T	3-Ethyltoluene	2.349	2.337	0.5	73	0.00
78	T	4-Ethyltoluene	2.172	2.207	-1.6	75	0.00
79	T	1,3,5-Trimethylbenzene	1.913	1.946	-1.7	75	0.00
80	T	alpha-Methylstyrene	1.020	1.041	-2.1	72	0.00
81	T	2-Ethyltoluene	2.366	2.354	0.5	73	0.00
82	T	1,2,4-Trimethylbenzene	1.900	1.922	-1.2	75	0.00
83	T	n-Decane	1.108	1.094	1.3	73	0.00
84	T	Benzyl Chloride	1.805	1.882	-4.3	73	0.00
85	T	1,3-Dichlorobenzene	1.007	0.981	2.6	73	0.00
86	T	1,4-Dichlorobenzene	0.977	0.962	1.5	73	0.00
87	T	sec-Butylbenzene	2.519	2.507	0.5	74	0.00
88	T	p-Isopropyltoluene	2.033	2.055	-1.1	75	0.00
89	T	1,2,3-Trimethylbenzene	1.854	1.881	-1.5	76	0.00
90	T	1,2-Dichlorobenzene	0.939	0.944	-0.5	75	0.00
91	T	d-Limonene	0.792	0.831	-4.9	75	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.313	0.362	-15.7	79	0.00
93	T	n-Undecane	1.035	1.004	3.0	75	0.00
94	T	1,2,4-Trichlorobenzene	0.187	0.197	-5.3	80	0.00
95	T	Naphthalene	2.210	2.440	-10.4	80	0.00
96	T	n-Dodecane	0.745	0.710	4.7	77	0.00
97	T	Hexachloro-1,3-butadiene	0.303	0.325	-7.3	81	0.00

LM 12/19/06

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2006_012\19\
Data File : 12190603.D
Acq On : 19 Dec 2006 10:40
Operator : LM
Sample : 1ng TO-15 STD
Misc : S15-12190601/S15-12050604
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 17:09:04 2006
Quant Method : J:\MS08\METHODS\R8120606.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Thu Dec 07 08:17:50 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	77	-0.01
2	T	Propene	1.223	1.532	-25.3	79	0.02
3	T	Dichlorodifluoromethane	2.559	2.974	-16.2	78	0.02
4	T	Chloromethane	2.080	2.273	-9.3	77	0.00
5	T	Freon 114	0.675	0.821	-21.6	78	0.02
6	T	Vinyl Chloride	1.418	1.622	-14.4	70	0.01
7	T	1,3-Butadiene	1.375	1.476	-7.3	72	0.02
8	T	Bromomethane	1.051	1.081	-2.9	70	0.02
9	T	Chloroethane	0.974	1.023	-5.0	72	0.01
10	T	Ethanol	0.753	0.543	27.9	74	0.00
11	T	Acetonitrile	2.237	2.066	7.6	76	0.02
12	T	Acrolein	0.731	0.715	2.2	77	0.02
13	T	Acetone	1.046	1.397	-33.6#	94	0.01
14	T	Trichlorofluoromethane	1.741	1.880	-8.0	78	0.00
15	T	Isopropanol	3.201	3.548	-10.8	78	0.00
16	T	Acrylonitrile	1.580	1.502	4.9	79	0.00
17	T	1,1-Dichloroethene	1.172	1.138	2.9	69	0.01
18	T	tert-Butanol	2.959	3.435	-16.1	75	0.00
19	T	Methylene Chloride	1.345	1.442	-7.2	76	0.00
20	T	Allyl Chloride	1.722	1.553	9.8	70	0.00
21	T	Trichlorotrifluoroethane	0.683	0.819	-19.9	81	0.00
22	T	Carbon Disulfide	4.831	5.276	-9.2	75	0.01
23	T	trans-1,2-Dichloroethene	1.881	1.885	-0.2	74	0.00
24	T	1,1-Dichloroethane	1.910	2.070	-8.4	79	0.00
25	T	Methyl tert-Butyl Ether	3.036	3.450	-13.6	75	0.00
26	T	Vinyl Acetate	0.253	0.271	-7.1	71	0.00
27	T	2-Butanone	0.805	0.826	-2.6	77	0.01
28	T	cis-1,2-Dichloroethene	1.761	1.664	5.5	69	-0.01
29	T	Diisopropyl Ether	0.832	0.929	-11.7	74	0.00
30	T	Ethyl Acetate	0.404	0.410	-1.5	72	0.00
31	T	n-Hexane	1.584	1.839	-16.1	75	0.00
32	T	Chloroform	1.869	2.009	-7.5	73	-0.02
33	S	1,2-Dichloroethane-d4(SS1)	1.877	2.046	-9.0	80	0.00
34	T	Tetrahydrofuran	0.759	0.791	-4.2	75	0.00
35	T	Ethyl tert-Butyl Ether	1.261	1.386	-9.9	75	0.00
36	T	1,2-Dichloroethane	1.709	1.780	-4.2	75	0.00
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	80	0.00
38	T	1,1,1-Trichloroethane	0.411	0.397	3.4	73	-0.01
39	T	Isopropyl Acetate	0.169	0.156	7.7	72	0.00
40	T	1-Butanol	0.202	0.128	36.6#	76	0.02
41	T	Benzene	1.053	1.027	2.5	71	0.00
42	T	Carbon Tetrachloride	0.336	0.327	2.7	78	-0.02
43	T	Cyclohexane	0.367	0.384	-4.6	76	-0.01
44	T	tert-Amyl Methyl Ether	0.728	0.727	0.1	75	0.00
45	T	1,2-Dichloropropane	0.268	0.254	5.2	74	-0.01
46	T	Bromodichloromethane	0.361	0.336	6.9	75	-0.01
47	T	Trichloroethene	0.238	0.235	1.3	77	0.00
48	T	1,4-Dioxane	0.207	0.181	12.6	71	0.00
49	T	Isooctane	0.987	1.002	-1.5	75	0.00
50	T	Methyl Methacrylate	0.102	0.091	10.8	73	0.00
51	T	n-Heptane	0.256	0.249	2.7	74	0.00

LM 1/12/07

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2006_012\19\
Data File : 12190603.D
Acq On : 19 Dec 2006 10:40
Operator : LM
Sample : 1ng TO-15 STD
Misc : S15-12190601/S15-12050604
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 17:09:04 2006
Quant Method : J:\MS08\METHODS\R8120606.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Thu Dec 07 08:17:50 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52	T	cis-1,3-Dichloropropene	0.455	0.411	9.7	71	0.00
53	T	4-Methyl-2-pentanone	0.246	0.223	9.3	71	0.00
54	T	trans-1,3-Dichloropropene	0.424	0.377	11.1	71	0.00
55	T	1,1,2-Trichloroethane	0.261	0.250	4.2	76	-0.01
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	81	0.00
57	S	Toluene-d8 (SS2)	2.035	2.015	1.0	80	-0.01
58	T	Toluene	2.041	2.002	1.9	73	0.00
59	T	2-Hexanone	1.166	1.062	8.9	73	0.00
60	T	Dibromochloromethane	0.515	0.486	5.6	76	-0.01
61	T	1,2-Dibromoethane	0.549	0.532	3.1	76	0.00
62	T	Butyl Acetate	1.288	1.148	10.9	71	0.00
63	T	n-Octane	0.422	0.414	1.9	74	0.00
64	T	Tetrachloroethene	0.450	0.422	6.2	70	0.00
65	T	Chlorobenzene	1.315	1.267	3.7	73	-0.01
66	T	Ethylbenzene	2.390	2.234	6.5	71	-0.01
67	T	m- & p-Xylene	1.538	1.477	4.0	72	-0.02
68	T	Bromoform	0.319	0.283	11.3	74	-0.02
69	T	Styrene	1.387	1.241	10.5	71	0.00
70	T	o-Xylene	1.663	1.592	4.3	73	-0.01
71	T	n-Nonane	1.028	1.004	2.3	74	0.00
72	T	1,1,2,2-Tetrachloroethane	0.794	0.744	6.3	74	-0.01
73	S	Bromofluorobenzene (SS3)	0.597	0.627	-5.0	85	0.00
74	T	Cumene	2.142	2.058	3.9	73	-0.01
75	T	alpha-Pinene	1.139	1.026	9.9	68	-0.01
76	T	n-Propylbenzene	2.877	2.695	6.3	71	0.00
77	T	3-Ethyltoluene	2.349	2.137	9.0	71	0.00
78	T	4-Ethyltoluene	2.172	2.108	2.9	72	-0.01
79	T	1,3,5-Trimethylbenzene	1.913	1.785	6.7	70	0.00
80	T	alpha-Methylstyrene	1.020	0.855	16.2	68	0.00
81	T	2-Ethyltoluene	2.366	2.219	6.2	71	0.00
82	T	1,2,4-Trimethylbenzene	1.900	1.802	5.2	72	-0.01
83	T	n-Decane	1.108	1.032	6.9	71	-0.01
84	T	Benzyl Chloride	1.805	1.545	14.4	69	-0.01
85	T	1,3-Dichlorobenzene	1.007	0.941	6.6	71	-0.01
86	T	1,4-Dichlorobenzene	0.977	0.913	6.6	71	0.00
87	T	sec-Butylbenzene	2.519	2.400	4.7	72	0.00
88	T	p-Isopropyltoluene	2.033	1.896	6.7	70	0.00
89	T	1,2,3-Trimethylbenzene	1.854	1.719	7.3	71	0.00
90	T	1,2-Dichlorobenzene	0.939	0.860	8.4	70	-0.01
91	T	d-Limonene	0.792	0.681	14.0	69	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.313	0.265	15.3	75	0.00
93	T	n-Undecane	1.035	0.925	10.6	67	0.00
94	T	1,2,4-Trichlorobenzene	0.187	0.159	15.0	66	0.00
95	T	Naphthalene	2.210	1.855	16.1	68	0.00
96	T	n-Dodecane	0.745	0.719	3.5	70	0.00
97	T	Hexachloro-1,3-butadiene	0.303	0.280	7.6	73	0.00

LM 1/12/07

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2006_012\19\
Data File : 12190614.D
Acq On : 19 Dec 2006 19:58
Operator : LM
Sample : 25ng TO-15 CCV STD
Misc : S15-12050601/S15-12050606
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 08:46:37 2006
Quant Method : J:\MS08\METHODS\R8120606.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Thu Dec 07 08:17:50 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	94	0.00
2	T	Propene	1.223	0.857	29.9	78	0.00
3	T	Dichlorodifluoromethane	2.559	1.980	22.6	79	0.00
4	T	Chloromethane	2.080	1.634	21.4	79	0.00
5	T	Freon 114	0.675	0.555	17.8	86	0.00
6	T	Vinyl Chloride	1.418	0.969	31.7#	73	0.00
7	T	1,3-Butadiene	1.375	1.042	24.2	80	0.00
8	T	Bromomethane	1.051	0.841	20.0	85	0.00
9	T	Chloroethane	0.974	0.764	21.6	82	0.00
10	T	Ethanol	0.753	0.757	-0.5	77	0.02
11	T	Acetonitrile	2.237	1.958	12.5	77	0.01
12	T	Acrolein	0.731	0.636	13.0	84	0.01
13	T	Acetone	1.046	0.787	24.8	90	0.01
14	T	Trichlorofluoromethane	1.741	1.425	18.2	81	0.00
15	T	Isopropanol	3.201	2.789	12.9	78	0.01
16	T	Acrylonitrile	1.580	1.372	13.2	79	0.01
17	T	1,1-Dichloroethene	1.172	0.985	16.0	82	0.00
18	T	tert-Butanol	2.959	2.464	16.7	80	0.01
19	T	Methylene Chloride	1.345	1.091	18.9	82	0.01
20	T	Allyl Chloride	1.722	1.411	18.1	76	0.00
21	T	Trichlorotrifluoroethane	0.683	0.514	24.7	92	0.00
22	T	Carbon Disulfide	4.831	3.892	19.4	83	0.00
23	T	trans-1,2-Dichloroethene	1.881	1.500	20.3	78	0.00
24	T	1,1-Dichloroethane	1.910	1.542	19.3	78	0.01
25	T	Methyl tert-Butyl Ether	3.036	2.418	20.4	87	0.00
26	T	Vinyl Acetate	0.253	0.233	7.9	91	0.00
27	T	2-Butanone	0.805	0.698	13.3	86	0.01
28	T	cis-1,2-Dichloroethene	1.761	1.410	19.9	78	0.00
29	T	Diisopropyl Ether	0.832	0.705	15.3	88	0.00
30	T	Ethyl Acetate	0.404	0.337	16.6	85	0.00
31	T	n-Hexane	1.584	1.206	23.9	87	0.00
32	T	Chloroform	1.869	1.509	19.3	80	0.00
33	S	1,2-Dichloroethane-d4(SS1)	1.877	1.709	9.0	87	0.00
34	T	Tetrahydrofuran	0.759	0.656	13.6	88	0.00
35	T	Ethyl tert-Butyl Ether	1.261	1.060	15.9	88	0.00
36	T	1,2-Dichloroethane	1.709	1.351	20.9	78	0.00
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	96	0.00
38	T	1,1,1-Trichloroethane	0.411	0.336	18.2	83	0.00
39	T	Isopropyl Acetate	0.169	0.146	13.6	85	0.00
40	T	1-Butanol	0.202	0.230	-13.9	80	0.00
41	T	Benzene	1.053	0.858	18.5	85	0.00
42	T	Carbon Tetrachloride	0.336	0.286	14.9	84	0.00
43	T	Cyclohexane	0.367	0.301	18.0	88	0.00
44	T	tert-Amyl Methyl Ether	0.728	0.615	15.5	85	0.00
45	T	1,2-Dichloropropane	0.268	0.224	16.4	83	0.00
46	T	Bromodichloromethane	0.361	0.312	13.6	82	0.00
47	T	Trichloroethene	0.238	0.212	10.9	89	0.00
48	T	1,4-Dioxane	0.207	0.188	9.2	85	0.00
49	T	Isooctane	0.987	0.795	19.5	83	0.00
50	T	Methyl Methacrylate	0.102	0.096	5.9	87	0.00
51	T	n-Heptane	0.256	0.211	17.6	84	0.00

LM 12/27/06

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2006_012\19\
Data File : 12190614.D
Acq On : 19 Dec 2006 19:58
Operator : LM
Sample : 25ng TO-15 CCV STD
Misc : S15-12050601/S15-12050606
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 08:46:37 2006
Quant Method : J:\MS08\METHODS\R8120606.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Thu Dec 07 08:17:50 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52	T	cis-1,3-Dichloropropene	0.455	0.388	14.7	82	0.00
53	T	4-Methyl-2-pentanone	0.246	0.212	13.8	81	0.00
54	T	trans-1,3-Dichloropropene	0.424	0.360	15.1	80	0.00
55	T	1,1,2-Trichloroethane	0.261	0.225	13.8	84	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	94	0.00
57	S	Toluene-d8 (SS2)	2.035	2.010	1.2	93	0.00
58	T	Toluene	2.041	1.749	14.3	84	0.00
59	T	2-Hexanone	1.166	0.984	15.6	77	0.00
60	T	Dibromochloromethane	0.515	0.462	10.3	83	0.00
61	T	1,2-Dibromoethane	0.549	0.491	10.6	83	0.00
62	T	Butyl Acetate	1.288	1.095	15.0	77	0.00
63	T	n-Octane	0.422	0.354	16.1	81	0.00
64	T	Tetrachloroethene	0.450	0.400	11.1	87	0.00
65	T	Chlorobenzene	1.315	1.158	11.9	84	0.00
66	T	Ethylbenzene	2.390	2.074	13.2	82	0.00
67	T	m- & p-Xylene	1.538	1.341	12.8	82	0.00
68	T	Bromoform	0.319	0.304	4.7	85	0.00
69	T	Styrene	1.387	1.274	8.1	84	0.00
70	T	o-Xylene	1.663	1.465	11.9	82	0.00
71	T	n-Nonane	1.028	0.845	17.8	77	0.00
72	T	1,1,2,2-Tetrachloroethane	0.794	0.702	11.6	81	0.00
73	S	Bromofluorobenzene (SS3)	0.597	0.679	-13.7	106	0.00
74	T	Cumene	2.142	1.901	11.3	83	0.00
75	T	alpha-Pinene	1.139	0.994	12.7	82	0.00
76	T	n-Propylbenzene	2.877	2.524	12.3	81	0.00
77	T	3-Ethyltoluene	2.349	2.125	9.5	84	0.00
78	T	4-Ethyltoluene	2.172	1.906	12.2	82	0.00
79	T	1,3,5-Trimethylbenzene	1.913	1.704	10.9	83	0.00
80	T	alpha-Methylstyrene	1.020	0.944	7.5	83	0.00
81	T	2-Ethyltoluene	2.366	2.113	10.7	83	0.00
82	T	1,2,4-Trimethylbenzene	1.900	1.695	10.8	83	0.00
83	T	n-Decane	1.108	0.939	15.3	79	0.00
84	T	Benzyl Chloride	1.805	1.656	8.3	81	0.00
85	T	1,3-Dichlorobenzene	1.007	0.913	9.3	85	0.00
86	T	1,4-Dichlorobenzene	0.977	0.889	9.0	85	0.00
87	T	sec-Butylbenzene	2.519	2.261	10.2	84	0.00
88	T	p-Isopropyltoluene	2.033	1.836	9.7	84	0.00
89	T	1,2,3-Trimethylbenzene	1.854	1.658	10.6	84	0.00
90	T	1,2-Dichlorobenzene	0.939	0.855	8.9	85	0.00
91	T	d-Limonene	0.792	0.713	10.0	81	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.313	0.325	-3.8	89	0.00
93	T	n-Undecane	1.035	0.864	16.5	81	0.00
94	T	1,2,4-Trichlorobenzene	0.187	0.186	0.5	95	0.00
95	T	Naphthalene	2.210	2.246	-1.6	92	0.00
96	T	n-Dodecane	0.745	0.634	14.9	87	0.00
97	T	Hexachloro-1,3-butadiene	0.303	0.308	-1.7	97	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

LM 12/27/06

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\DATA\2006_012\20\
Data File : 12200602.D
Acq On : 20 Dec 2006 9:52
Operator : LM
Sample : 25ng TO-15 CCV STD
Misc : S15-12190601/S15-12150607
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 21 11:27:05 2006
Quant Method : J:\MS08\METHODS\R8120606.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Thu Dec 07 08:17:50 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	92	0.01
2	T	Propene	1.223	0.919	24.9	82	0.01
3	T	Dichlorodifluoromethane	2.559	2.195	14.2	85	0.02
4	T	Chloromethane	2.080	1.756	15.6	83	0.01
5	T	Freon 114	0.675	0.677	-0.3	102	0.01
6	T	Vinyl Chloride	1.418	1.127	20.5	83	0.01
7	T	1,3-Butadiene	1.375	0.918	33.2#	69	0.02
8	T	Bromomethane	1.051	0.900	14.4	89	0.01
9	T	Chloroethane	0.974	0.831	14.7	87	0.01
10	T	Ethanol	0.753	0.805	-6.9	80	0.03
11	T	Acetonitrile	2.237	2.079	7.1	80	0.03
12	T	Acrolein	0.731	0.686	6.2	88	0.02
13	T	Acetone	1.046	0.893	14.6	100	0.02
14	T	Trichlorofluoromethane	1.741	1.616	7.2	89	0.01
15	T	Isopropanol	3.201	2.954	7.7	80	0.03
16	T	Acrylonitrile	1.580	1.488	5.8	84	0.02
17	T	1,1-Dichloroethene	1.172	1.085	7.4	88	0.01
18	T	tert-Butanol	2.959	2.570	13.1	82	0.03
19	T	Methylene Chloride	1.345	1.178	12.4	87	0.02
20	T	Allyl Chloride	1.722	1.544	10.3	81	0.01
21	T	Trichlorotrifluoroethane	0.683	0.566	17.1	99	0.01
22	T	Carbon Disulfide	4.831	4.278	11.4	89	0.01
23	T	trans-1,2-Dichloroethene	1.881	1.605	14.7	82	0.01
24	T	1,1-Dichloroethane	1.910	1.712	10.4	85	0.02
25	T	Methyl tert-Butyl Ether	3.036	2.676	11.9	95	0.01
26	T	Vinyl Acetate	0.253	0.249	1.6	95	0.01
27	T	2-Butanone	0.805	0.769	4.5	93	0.02
28	T	cis-1,2-Dichloroethene	1.761	1.518	13.8	82	0.01
29	T	Diisopropyl Ether	0.832	0.775	6.9	95	0.01
30	T	Ethyl Acetate	0.404	0.364	9.9	90	0.01
31	T	n-Hexane	1.584	1.333	15.8	94	0.01
32	T	Chloroform	1.869	1.722	7.9	90	0.01
33	S	1,2-Dichloroethane-d4(SS1)	1.877	1.755	6.5	87	0.01
34	T	Tetrahydrofuran	0.759	0.737	2.9	97	0.01
35	T	Ethyl tert-Butyl Ether	1.261	1.167	7.5	94	0.00
36	T	1,2-Dichloroethane	1.709	1.459	14.6	82	0.01
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	93	0.00
38	T	1,1,1-Trichloroethane	0.411	0.370	10.0	89	0.00
39	T	Isopropyl Acetate	0.169	0.160	5.3	89	0.00
40	T	1-Butanol	0.202	0.209	-3.5	70	0.00
41	T	Benzene	1.053	0.940	10.7	90	0.00
42	T	Carbon Tetrachloride	0.336	0.314	6.5	89	0.00
43	T	Cyclohexane	0.367	0.330	10.1	93	0.00
44	T	tert-Amyl Methyl Ether	0.728	0.672	7.7	89	0.00
45	T	1,2-Dichloropropane	0.268	0.241	10.1	86	0.00
46	T	Bromodichloromethane	0.361	0.336	6.9	85	0.00
47	T	Trichloroethene	0.238	0.229	3.8	92	0.00
48	T	1,4-Dioxane	0.207	0.197	4.8	86	0.00
49	T	Isooctane	0.987	0.866	12.3	87	0.00
50	T	Methyl Methacrylate	0.102	0.103	-1.0	91	0.00
51	T	n-Heptane	0.256	0.226	11.7	87	0.00

LM 12/21/06

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\DATA\2006_012\20\
Data File : 12200602.D
Acq On : 20 Dec 2006 9:52
Operator : LM
Sample : 25ng TO-15 CCV STD
Misc : S15-12190601/S15-12150607
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 21 11:27:05 2006
Quant Method : J:\MS08\METHODS\R8120606.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Thu Dec 07 08:17:50 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52	T	cis-1,3-Dichloropropene	0.455	0.417	8.4	85	0.00
53	T	4-Methyl-2-pentanone	0.246	0.220	10.6	81	0.00
54	T	trans-1,3-Dichloropropene	0.424	0.386	9.0	83	0.00
55	T	1,1,2-Trichloroethane	0.261	0.239	8.4	86	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	90	0.00
57	S	Toluene-d8 (SS2)	2.035	1.998	1.8	89	0.00
58	T	Toluene	2.041	1.868	8.5	86	0.00
59	T	2-Hexanone	1.166	1.007	13.6	76	0.00
60	T	Dibromochloromethane	0.515	0.491	4.7	85	0.00
61	T	1,2-Dibromoethane	0.549	0.521	5.1	85	0.00
62	T	Butyl Acetate	1.288	1.125	12.7	76	0.00
63	T	n-Octane	0.422	0.378	10.4	83	0.00
64	T	Tetrachloroethene	0.450	0.422	6.2	88	0.00
65	T	Chlorobenzene	1.315	1.219	7.3	85	0.00
66	T	Ethylbenzene	2.390	2.181	8.7	83	0.00
67	T	m- & p-Xylene	1.538	1.401	8.9	82	0.00
68	T	Bromoform	0.319	0.313	1.9	84	0.00
69	T	Styrene	1.387	1.317	5.0	83	0.00
70	T	o-Xylene	1.663	1.512	9.1	82	0.00
71	T	n-Nonane	1.028	0.869	15.5	76	0.00
72	T	1,1,2,2-Tetrachloroethane	0.794	0.707	11.0	79	0.00
73	S	Bromofluorobenzene (SS3)	0.597	0.677	-13.4	102	0.00
74	T	Cumene	2.142	1.953	8.8	83	0.00
75	T	alpha-Pinene	1.139	1.025	10.0	82	0.00
76	T	n-Propylbenzene	2.877	2.562	10.9	79	0.00
77	T	3-Ethyltoluene	2.349	2.060	12.3	78	0.00
78	T	4-Ethyltoluene	2.172	1.943	10.5	80	0.00
79	T	1,3,5-Trimethylbenzene	1.913	1.664	13.0	78	0.00
80	T	alpha-Methylstyrene	1.020	0.932	8.6	79	0.00
81	T	2-Ethyltoluene	2.366	2.073	12.4	78	0.00
82	T	1,2,4-Trimethylbenzene	1.900	1.623	14.6	76	0.00
83	T	n-Decane	1.108	0.887	19.9	72	0.00
84	T	Benzyl Chloride	1.805	1.605	11.1	75	0.00
85	T	1,3-Dichlorobenzene	1.007	0.881	12.5	79	0.00
86	T	1,4-Dichlorobenzene	0.977	0.852	12.8	78	0.00
87	T	sec-Butylbenzene	2.519	2.182	13.4	78	0.00
88	T	p-Isopropyltoluene	2.033	1.718	15.5	76	0.00
89	T	1,2,3-Trimethylbenzene	1.854	1.546	16.6	75	0.00
90	T	1,2-Dichlorobenzene	0.939	0.799	14.9	77	0.00
91	T	d-Limonene	0.792	0.663	16.3	72	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.313	0.277	11.5	73	0.00
93	T	n-Undecane	1.035	0.672	35.1#	61	0.00
94	T	1,2,4-Trichlorobenzene	0.187	0.128	31.6#	63	0.00
95	T	Naphthalene	2.210	1.521	31.2#	60	0.00
96	T	n-Dodecane	0.745	0.394	47.1#	52	0.00
97	T	Hexachloro-1,3-butadiene	0.303	0.208	31.4#	63	0.00

LM 12/21/06

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2006_012\20\
Data File : 12200604.D
Acq On : 20 Dec 2006 12:08
Operator : LM
Sample : 1ng TO-15 STD
Misc : S15-12190601/S15-12050604
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 12:40:53 2006
Quant Method : J:\MS08\METHODS\R8120606.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Thu Dec 07 08:17:50 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	87	-0.01
2	T	Propene	1.223	1.429	-16.8	84	0.02
3	T	Dichlorodifluoromethane	2.559	2.688	-5.0	80	0.02
4	T	Chloromethane	2.080	1.991	4.3	77	0.00
5	T	Freon 114	0.675	0.820	-21.5	89	0.02
6	T	Vinyl Chloride	1.418	1.387	2.2	68	0.01
7	T	1,3-Butadiene	1.375	1.061	22.8	59	0.02
8	T	Bromomethane	1.051	1.104	-5.0	81	0.01
9	T	Chloroethane	0.974	0.938	3.7	75	0.00
.0	T	Ethanol	0.753	0.523	30.5#	81	0.00
.1	T	Acetonitrile	2.237	1.835	18.0	77	0.01
.2	T	Acrolein	0.731	0.675	7.7	83	0.02
.3	T	Acetone	1.046	1.129	-7.9	87	0.02
.4	T	Trichlorofluoromethane	1.741	1.675	3.8	79	0.00
.5	T	Isopropanol	3.201	2.986	6.7	74	0.00
.6	T	Acrylonitrile	1.580	1.400	11.4	84	0.00
.7	T	1,1-Dichloroethene	1.172	1.113	5.0	77	0.00
.8	T	tert-Butanol	2.959	3.016	-1.9	75	0.00
.9	T	Methylene Chloride	1.345	1.290	4.1	78	0.00
:0	T	Allyl Chloride	1.722	1.392	19.2	72	0.00
:1	T	Trichlorotrifluoroethane	0.683	0.706	-3.4	80	0.00
:2	T	Carbon Disulfide	4.831	4.982	-3.1	81	0.00
:3	T	trans-1,2-Dichloroethene	1.881	1.617	14.0	73	0.00
:4	T	1,1-Dichloroethane	1.910	1.886	1.3	82	0.00
5	T	Methyl tert-Butyl Ether	3.036	3.024	0.4	75	0.00
6	T	Vinyl Acetate	0.253	0.263	-4.0	79	0.00
7	T	2-Butanone	0.805	0.751	6.7	80	0.00
8	T	cis-1,2-Dichloroethene	1.761	1.549	12.0	74	-0.01
9	T	Diisopropyl Ether	0.832	0.853	-2.5	78	0.00
0	T	Ethyl Acetate	0.404	0.374	7.4	74	0.00
1	T	n-Hexane	1.584	1.626	-2.7	76	0.00
2	T	Chloroform	1.869	1.854	0.8	76	-0.02
3	S	1,2-Dichloroethane-d4(SS1)	1.877	1.820	3.0	82	0.00
4	T	Tetrahydrofuran	0.759	0.698	8.0	75	0.00
5	T	Ethyl tert-Butyl Ether	1.261	1.226	2.8	76	0.00
6	T	1,2-Dichloroethane	1.709	1.525	10.8	74	0.00
7	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	87	0.00
8	T	1,1,1-Trichloroethane	0.411	0.373	9.2	74	-0.01
9	T	Isopropyl Acetate	0.169	0.155	8.3	77	0.00
0	T	1-Butanol	0.202	0.120	40.6#	77	0.01
1	T	Benzene	1.053	1.002	4.8	74	0.00
2	T	Carbon Tetrachloride	0.336	0.309	8.0	80	-0.02
3	T	Cyclohexane	0.367	0.361	1.6	77	-0.01
4	T	tert-Amyl Methyl Ether	0.728	0.691	5.1	77	0.00
5	T	1,2-Dichloropropane	0.268	0.243	9.3	77	-0.01
6	T	Bromodichloromethane	0.361	0.325	10.0	78	-0.01
7	T	Trichloroethene	0.238	0.229	3.8	81	0.00
8	T	1,4-Dioxane	0.207	0.176	15.0	75	0.00
9	T	Isooctane	0.987	0.925	6.3	75	0.00
0	T	Methyl Methacrylate	0.102	0.092	9.8	80	0.00
1	T	n-Heptane	0.256	0.240	6.3	77	0.00

LM 12/27/06

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Data Path : J:\MS08\Data\2006_012\20\
Data File : 12200604.D
Acq On : 20 Dec 2006 12:08
Operator : LM
Sample : 1ng TO-15 STD
Misc : S15-12190601/S15-12050604
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 12:40:53 2006
Quant Method : J:\MS08\METHODS\R8120606.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Thu Dec 07 08:17:50 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52 T	cis-1,3-Dichloropropene	0.455	0.394	13.4	73	-0.01
53 T	4-Methyl-2-pentanone	0.246	0.210	14.6	73	0.00
54 T	trans-1,3-Dichloropropene	0.424	0.354	16.5	72	0.00
55 T	1,1,2-Trichloroethane	0.261	0.236	9.6	78	-0.02
56 I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	88	0.00
57 S	Toluene-d8 (SS2)	2.035	1.990	2.2	85	-0.01
58 T	Toluene	2.041	1.920	5.9	76	0.00
59 T	2-Hexanone	1.166	0.939	19.5	70	0.00
60 T	Dibromochloromethane	0.515	0.457	11.3	77	0.00
61 T	1,2-Dibromoethane	0.549	0.501	8.7	77	-0.02
62 T	Butyl Acetate	1.288	1.035	19.6	69	0.00
63 T	n-Octane	0.422	0.366	13.3	71	0.00
64 T	Tetrachloroethene	0.450	0.419	6.9	75	0.00
65 T	Chlorobenzene	1.315	1.211	7.9	75	-0.01
66 T	Ethylbenzene	2.390	2.186	8.5	75	-0.01
67 T	m- & p-Xylene	1.538	1.410	8.3	74	0.00
68 T	Bromoform	0.319	0.279	12.5	79	-0.01
69 T	Styrene	1.387	1.224	11.8	76	0.00
70 T	o-Xylene	1.663	1.537	7.6	76	-0.01
71 T	n-Nonane	1.028	0.893	13.1	71	0.00
72 T	1,1,2,2-Tetrachloroethane	0.794	0.705	11.2	75	-0.01
73 S	Bromofluorobenzene (SS3)	0.597	0.678	-13.6	99	0.00
74 T	Cumene	2.142	2.001	6.6	77	0.00
75 T	alpha-Pinene	1.139	0.988	13.3	71	-0.01
76 T	n-Propylbenzene	2.877	2.612	9.2	75	0.00
77 T	3-Ethyltoluene	2.349	2.190	6.8	79	0.00
78 T	4-Ethyltoluene	2.172	1.972	9.2	73	-0.01
79 T	1,3,5-Trimethylbenzene	1.913	1.740	9.0	74	0.00
80 T	alpha-Methylstyrene	1.020	0.856	16.1	74	0.00
81 T	2-Ethyltoluene	2.366	2.200	7.0	76	-0.01
82 T	1,2,4-Trimethylbenzene	1.900	1.740	8.4	76	-0.01
83 T	n-Decane	1.108	0.992	10.5	74	-0.01
84 T	Benzyl Chloride	1.805	1.517	16.0	73	-0.01
85 T	1,3-Dichlorobenzene	1.007	0.928	7.8	76	-0.01
86 T	1,4-Dichlorobenzene	0.977	0.919	5.9	78	0.00
87 T	sec-Butylbenzene	2.519	2.332	7.4	75	0.00
88 T	p-Isopropyltoluene	2.033	1.894	6.8	76	0.00
89 T	1,2,3-Trimethylbenzene	1.854	1.708	7.9	76	0.00
90 T	1,2-Dichlorobenzene	0.939	0.895	4.7	79	0.00
91 T	d-Limonene	0.792	0.646	18.4	71	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.313	0.270	13.7	82	0.00
93 T	n-Undecane	1.035	0.879	15.1	69	0.00
94 T	1,2,4-Trichlorobenzene	0.187	0.166	11.2	74	0.00
95 T	Naphthalene	2.210	1.862	15.7	74	0.00
96 T	n-Dodecane	0.745	0.688	7.7	72	0.00
97 T	Hexachloro-1,3-butadiene	0.303	0.279	7.9	79	-0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0

LM 12/27/06

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2006_012\20\
Data File : 12200615.D
Acq On : 20 Dec 2006 21:06
Operator : LM
Sample : 25ng TO-15 CCV Std
Misc : S15-12050601/S15-12150607
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 21 08:29:53 2006
Quant Method : J:\MS08\METHODS\R8120606.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Thu Dec 07 08:17:50 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	84	0.01
2	T	Propene	1.223	0.890	27.2	73	0.00
3	T	Dichlorodifluoromethane	2.559	2.146	16.1	77	0.00
4	T	Chloromethane	2.080	1.754	15.7	77	0.00
5	T	Freon 114	0.675	0.605	10.4	84	0.00
6	T	Vinyl Chloride	1.418	0.977	31.1#	67	0.00
7	T	1,3-Butadiene	1.375	0.848	38.3#	58	0.00
8	T	Bromomethane	1.051	0.860	18.2	78	0.00
9	T	Chloroethane	0.974	0.776	20.3	75	0.00
10	T	Ethanol	0.753	0.777	-3.2	72	0.02
11	T	Acetonitrile	2.237	1.907	14.8	67	0.02
12	T	Acrolein	0.731	0.656	10.3	78	0.02
13	T	Acetone	1.046	0.863	17.5	89	0.02
14	T	Trichlorofluoromethane	1.741	1.503	13.7	76	0.00
15	T	Isopropanol	3.201	2.702	15.6	68	0.02
16	T	Acrylonitrile	1.580	1.435	9.2	74	0.02
17	T	1,1-Dichloroethene	1.172	1.053	10.2	79	0.00
18	T	tert-Butanol	2.959	2.294	22.5	67	0.02
19	T	Methylene Chloride	1.345	1.149	14.6	78	0.01
20	T	Allyl Chloride	1.722	1.475	14.3	71	0.00
21	T	Trichlorotrifluoroethane	0.683	0.478	30.0#	77	0.00
22	T	Carbon Disulfide	4.831	4.096	15.2	78	0.00
23	T	trans-1,2-Dichloroethene	1.881	1.544	17.9	73	0.00
24	T	1,1-Dichloroethane	1.910	1.649	13.7	75	0.01
25	T	Methyl tert-Butyl Ether	3.036	2.357	22.4	77	0.00
26	T	Vinyl Acetate	0.253	0.230	9.1	81	0.01
27	T	2-Butanone	0.805	0.705	12.4	78	0.02
28	T	cis-1,2-Dichloroethene	1.761	1.492	15.3	74	0.01
29	T	Diisopropyl Ether	0.832	0.729	12.4	82	0.01
30	T	Ethyl Acetate	0.404	0.343	15.1	78	0.01
31	T	n-Hexane	1.584	1.206	23.9	78	0.00
32	T	Chloroform	1.869	1.650	11.7	79	0.01
33	S	1,2-Dichloroethane-d4(SS1)	1.877	1.709	9.0	78	0.01
34	T	Tetrahydrofuran	0.759	0.676	10.9	82	0.00
35	T	Ethyl tert-Butyl Ether	1.261	1.089	13.6	81	0.00
36	T	1,2-Dichloroethane	1.709	1.421	16.9	74	0.01
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	84	0.01
38	T	1,1,1-Trichloroethane	0.411	0.355	13.6	77	0.00
39	T	Isopropyl Acetate	0.169	0.156	7.7	79	0.00
40	T	1-Butanol	0.202	0.210	-4.0	64	0.00
41	T	Benzene	1.053	0.916	13.0	79	0.00
42	T	Carbon Tetrachloride	0.336	0.303	9.8	78	0.00
43	T	Cyclohexane	0.367	0.313	14.7	80	0.00
44	T	tert-Amyl Methyl Ether	0.728	0.655	10.0	79	0.00
45	T	1,2-Dichloropropane	0.268	0.241	10.1	78	0.00
46	T	Bromodichloromethane	0.361	0.341	5.5	78	0.00
47	T	Trichloroethene	0.238	0.227	4.6	83	0.00
48	T	1,4-Dioxane	0.207	0.195	5.8	77	0.00
49	T	Isooctane	0.987	0.841	14.8	77	0.00
50	T	Methyl Methacrylate	0.102	0.102	0.0	81	0.00
51	T	n-Heptane	0.256	0.223	12.9	78	0.00

LM 12/27/06

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2006_012\20\
Data File : 12200615.D
Acq On : 20 Dec 2006 21:06
Operator : LM
Sample : 25ng TO-15 CCV Std
Misc : S15-12050601/S15-12150607
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 21 08:29:53 2006
Quant Method : J:\MS08\METHODS\R8120606.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Thu Dec 07 08:17:50 2006
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52	T	cis-1,3-Dichloropropene	0.455	0.420	7.7	78	0.00
53	T	4-Methyl-2-pentanone	0.246	0.224	8.9	75	0.00
54	T	trans-1,3-Dichloropropene	0.424	0.391	7.8	76	0.00
55	T	1,1,2-Trichloroethane	0.261	0.246	5.7	80	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	84	0.00
57	S	Toluene-d8 (SS2)	2.035	1.966	3.4	82	0.00
58	T	Toluene	2.041	1.849	9.4	79	0.00
59	T	2-Hexanone	1.166	0.998	14.4	70	0.00
60	T	Dibromochloromethane	0.515	0.493	4.3	79	0.00
61	T	1,2-Dibromoethane	0.549	0.521	5.1	79	0.00
62	T	Butyl Acetate	1.288	1.121	13.0	71	0.00
63	T	n-Octane	0.422	0.376	10.9	77	0.00
64	T	Tetrachloroethene	0.450	0.425	5.6	82	0.00
65	T	Chlorobenzene	1.315	1.244	5.4	81	0.00
66	T	Ethylbenzene	2.390	2.242	6.2	79	0.00
67	T	m- & p-Xylene	1.538	1.446	6.0	79	0.00
68	T	Bromoform	0.319	0.325	-1.9	81	0.00
69	T	Styrene	1.387	1.372	1.1	81	0.00
70	T	o-Xylene	1.663	1.566	5.8	79	0.00
71	T	n-Nonane	1.028	0.903	12.2	73	0.00
72	T	1,1,2,2-Tetrachloroethane	0.794	0.738	7.1	77	0.00
73	S	Bromofluorobenzene (SS3)	0.597	0.689	-15.4	96	0.00
74	T	Cumene	2.142	2.042	4.7	80	0.00
75	T	alpha-Pinene	1.139	1.071	6.0	79	0.00
76	T	n-Propylbenzene	2.877	2.733	5.0	79	0.00
77	T	3-Ethyltoluene	2.349	2.256	4.0	80	0.00
78	T	4-Ethyltoluene	2.172	2.054	5.4	79	0.00
79	T	1,3,5-Trimethylbenzene	1.913	1.800	5.9	78	0.00
80	T	alpha-Methylstyrene	1.020	1.000	2.0	78	0.00
81	T	2-Ethyltoluene	2.366	2.242	5.2	78	0.00
82	T	1,2,4-Trimethylbenzene	1.900	1.783	6.2	78	0.00
83	T	n-Decane	1.108	0.969	12.5	73	0.00
84	T	Benzyl Chloride	1.805	1.725	4.4	75	0.00
85	T	1,3-Dichlorobenzene	1.007	0.959	4.8	80	0.00
86	T	1,4-Dichlorobenzene	0.977	0.934	4.4	79	0.00
87	T	sec-Butylbenzene	2.519	2.380	5.5	79	0.00
88	T	p-Isopropyltoluene	2.033	1.902	6.4	78	0.00
89	T	1,2,3-Trimethylbenzene	1.854	1.726	6.9	78	0.00
90	T	1,2-Dichlorobenzene	0.939	0.881	6.2	79	0.00
91	T	d-Limonene	0.792	0.745	5.9	75	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.313	0.303	3.2	74	0.00
93	T	n-Undecane	1.035	0.761	26.5	64	0.00
94	T	1,2,4-Trichlorobenzene	0.187	0.145	22.5	66	0.00
95	T	Naphthalene	2.210	1.696	23.3	62	0.00
96	T	n-Dodecane	0.745	0.425	43.0#	52	0.00
97	T	Hexachloro-1,3-butadiene	0.303	0.237	21.8	67	0.00

LM 12/27/06

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Project ID: WDI

CAS Project ID: P2603406

Internal Standard Area and RT Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister(s)
Test Notes:

Lab File ID: 12150601.D
Date Analyzed: 12/15/06
Time Analyzed: 09:03

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	24 Hour Standard	384744	9.07	1677343	11.00	892333	15.82
	Upper Limit	538642	9.40	2348280	11.33	1249266	16.15
	Lower Limit	230846	8.74	1006406	10.67	535400	15.49
	Client Sample ID						
01	Method Blank	366230	9.04	1815597	10.98	921538	15.81
02	Lab Control Sample	375473	9.06	1700177	11.00	884111	15.82
03	Duplicate Lab Control Sample	384170	9.07	1732528	11.00	905907	15.82
04	WDI-IBM-24-12-10-06	350964	9.04	1708773	10.98	880568	15.81
05	WDI-IBM-24-12-10-06 (Lab Duplicate)	348385	9.04	1678981	10.98	876641	15.82
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = 140% of internal standard area
AREA LOWER LIMIT = 60% of internal standard area
RT UPPER LIMIT = 0.33 minutes of internal standard RT
RT LOWER LIMIT = 0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Verified by: RG Date: 12/28/06

03406VOA.RD2 - ISS

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Project ID: WDI

CAS Project ID: P2603406

Internal Standard Area and RT Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister(s)
Test Notes:

Lab File ID: 12180601.D
Date Analyzed: 12/18/06
Time Analyzed: 07:08

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	24 Hour Standard	383949	9.07	1673302	11.00	894835	15.82
	Upper Limit	537529	9.40	2342623	11.33	1252769	16.15
	Lower Limit	230369	8.74	1003981	10.67	536901	15.49
	Client Sample ID						
01	Method Blank	368372	9.04	1818302	10.98	926192	15.81
02	Lab Control Sample	371604	9.06	1661291	11.00	888047	15.82
03	Duplicate Lab Control Sample	376362	9.07	1695751	11.00	889474	15.82
04	WDI-IBM-28-12-10-06	342567	9.05	1587645	10.98	862433	15.81
05	WDI-IBM-24B-12-10-06	357388	9.05	1680999	10.98	875416	15.81
06	WDI-IBM-03B-12-10-06	358853	9.05	1656545	10.98	909523	15.81
07	WDI-IBM-03B-12-10-06 (Lab Duplicate)	376156	9.05	1738112	10.98	946967	15.81
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Verified by: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Project ID: WDI

CAS Project ID: P2603406

Internal Standard Area and RT Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister(s)
Test Notes:

Lab File ID: 12190601.D
Date Analyzed: 12/19/06
Time Analyzed: 08:39

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	24 Hour Standard	327860	9.07	1365949	11.00	761935	15.81
	Upper Limit	459004	9.40	1912329	11.33	1066709	16.14
	Lower Limit	196716	8.74	819569	10.67	457161	15.48
	Client Sample ID						
01	Method Blank	306917	9.04	1538942	10.98	801555	15.81
02	Lab Control Sample	343399	9.06	1522955	11.00	853356	15.82
03	Duplicate Lab Control Sample	360382	9.06	1622474	11.00	895458	15.81
04	WDI-IBM-50-12-10-06	377855	9.04	1710943	10.98	907223	15.81
05	WDI-IBM-50-12-10-06-SC	389674	9.05	1808639	10.98	970425	15.81
06	WDI-VW-31-S-12-12-06	415863	9.04	1905661	10.98	1007967	15.81
07	WDI-VW-34-I-12-12-06-SC	386009	9.04	1808349	10.98	1004765	15.81
08	WDI-VW-34-S-12-12-06	388971	9.04	1808772	10.98	984249	15.81
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Verified by: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Project ID: WDI

CAS Project ID: P2603406

Internal Standard Area and RT Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister(s)
Test Notes:

Lab File ID: 12200602.D
Date Analyzed: 12/20/06
Time Analyzed: 09:52

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	24 Hour Standard	394946	9.07	1727818	11.00	923179	15.82
	Upper Limit	552924	9.40	2418945	11.33	1292451	16.15
	Lower Limit	236968	8.74	1036691	10.67	553907	15.49
	Client Sample ID						
01	Method Blank	382760	9.04	1851876	10.98	954993	15.81
02	Lab Control Sample	359436	9.07	1620355	11.00	888887	15.82
03	Duplicate Lab Control Sample	371712	9.07	1705445	11.00	903165	15.82
04	WDI-VW-34-D-12-12-06	375271	9.05	1787922	10.98	935069	15.81
05	WDI-VW-34-I-12-12-06	377670	9.05	1765961	10.98	930731	15.81
06	WDI-VW-34-I-12-12-06 (Lab Duplicate)	376866	9.05	1774953	10.98	928703	15.81
07	WDI-VW-31-D-12-12-06	372905	9.05	1759825	10.98	937432	15.81
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Verified by: RG Date: 12/28/06

	Date/Time	File Name	Sample ID	Misc Info	Operator	Vial	Comment
16	12/4/06 21:37	12040616.D	P2603269-001 (1000ml)	[redacted]2.2, 3.5)	AB	10	
17	12/4/06 22:12	12040617.D	P2603269-001 Dil (100ml)	[redacted]2.2, 3.5)	AB	10	
18	12/4/06 22:53	12040618.D	P2603269-002 (1000ml)	[redacted]-1.9, 3.5)	AB	12	
19	12/4/06 23:29	12040619.D	P2603269-002 Dil (100ml)	[redacted].9, 3.5)	AB	12	
20	12/5/06 0:04	12040620.D	P2603269-003 (200ml)	[redacted]1.9, 3.5)	AB	13	
21	12/5/06 0:41	12040621.D	P2603269-004 (500ml)	[redacted].1, 3.5)	AB	14	Case file, Run higher
22	12/5/06 1:17	12040622.D	P2603253-002 Dil (100ml)	[redacted]2.4, 3.5)	AB	8	
23	12/5/06 1:53	12040623.D	P2603253-002 Dup Dil (100ml)	[redacted]2.4, 3.5)	AB	8	Passed as lab Dup
24	12/5/06 2:30	12040624.D	P2603244-001 Dil (100ml)	[redacted].2, 3.5)	AB	9	
25	12/5/06 3:06	12040625.D	P2603244-001 Dup Dil (100ml)	[redacted]3.2, 3.5)	AB	9	

1	12/5/06 8:02	12050601.D	25ng TO-15 CCV STD+ 2-Methylnaphthalene STD	S15-11130603/S15-11270605/S15-11280601	AB	1	Passed for TO-15
2	12/5/06 9:10	12050602.D	25ng 2-Methylnaphthalene STD	S15-11130603/S15-11280601	AB	15	Passed
3	12/5/06 10:18	12050603.D	TO-15 Method Blank (1000ml)	S15-11130603	LM	1	Passed
4	12/5/06 11:29	12050604.D	25ng TO-15 LCS STD	S15-11130603/S15-11140606	LM	2	Passed
5	12/5/06 12:17	12050605.D	25ng 2-Methylnaphthalene LCS STD	S15-11130603/S15-11280603	LM	7	Passed
6	12/5/06 13:28	12050606.D	P2603279-002 (1000ml)	[redacted].8,3.5)	LM	16	
7	12/5/06 14:21	12050607.D	P2603279-002 dup (1000ml)	[redacted].8,3.5)	LM	16	Passed as lab Dup
8	12/5/06 15:26	12050608.D	P2603279-001 (1000ml)	[redacted].8,3.5)	LM	11	
9	12/5/06 16:17	12050609.D	P2603269-003 DIL (10ml)	[redacted]1.9,3.5)	LM	1	
10	12/5/06 18:00	12050610.D	P2603269-004 (1000ml)	[redacted]0.1,3.5)	LM	14	
11	12/5/06 18:36	12050611.D	5ng CCV STD	S15-12050604(test can)	LM	1	
12	12/5/06 19:12	12050612.D	blank (200ml)	rinse	LM	1	

1	12/6/06 9:29	12060601.D	Blank(200ml)	S15-12050601	LM	1	
2	12/6/06 10:21	12060602.D	5ng TO-15 CCV STD	S15-12050601/S15-12050604	LM	1	Failed
3	12/6/06 12:13	12060603.D	25ng TO-15 CCV STD	S15-12050601/S15-11270605	LM	1	Failed
4	12/6/06 13:16	12060604.D	Blank(500ml)	S15-12050601	LM	1	Clean system.
5	12/6/06 14:54	12060605.D	Blank(200ml)	S15-12050601	LM	1	
6	12/6/06 15:30	12060606.D	25ng TO-15 BFB	S15-12050601	LM	1	Passed
7	12/6/06 16:06	12060607.D	0.5ng TO-15 ICAL STD	S15-12050601/S15-12050604	LM	1	ICAL ok for all compounds 0.5-100ng
8	12/6/06 16:42	12060608.D	1ng TO-15 ICAL STD	S15-12050601/S15-12050604	LM	1	
9	12/6/06 17:17	12060609.D	5ng TO-15 ICAL STD	S15-12050601/S15-12050604	LM	1	
10	12/6/06 17:53	12060610.D	25ng TO-15 ICAL STD	S15-12050601/S15-12050606	LM	1	
11	12/6/06 18:28	12060611.D	50ng TO-15 ICAL STD	S15-12050601/S15-12050606	LM	1	
12	12/6/06 19:04	12060612.D	100ng TO-15 ICAL STD	S15-12050601/S15-12050606	LM	1	
13	12/6/06 19:39	12060613.D	25ng TO-15 ICV STD	S15-12050601/S15-12050608	LM	2	Passed

LM 12/12/06

	Date/Time	File Name	Sample ID	Misc Info	Operator	Vial	Comment
1	12/14/06 9:24	12140601.D	25ng TO-15 CCV STD	S15-12050601/S15-12050606	LM	1	Trichlorofluoromethane high
2	12/14/06 10:07	12140602.D	25ng TO-15 CCV STD	S15-12050601/S15-12050606	LM	1	Passed
3	12/14/06 11:20	12140603.D	TO-15 Method Blank (1000ml)	S15-12050601	LM	1	Passed
4	12/14/06 12:11	12140604.D	1ng TO-15 CCV Std	S15-12050601	LM	1	Passed
5	12/14/06 12:54	12140605.D	25ng TO-15 LCS STD	S15-12050601/S15-12050608	LM	2	Passed
6	12/14/06 13:30	12140606.D	25ng TO-15 LCSD STD	S15-12050601/S15-12050608	LM	2	Passed
7	12/14/06 14:06	12140607.D	P2603298-012 (0.70ml)	[redacted]1.6,10.0)	LM	2	
8	12/14/06 14:42	12140608.D	P2603298-013 (0.70ml)	[redacted].8,10.0)	LM	1	
9	12/14/06 15:19	12140609.D	P2603298-014 (10ml)	[redacted]1,10.2)	LM	1	
10	12/14/06 16:20	12140610.D	P2603371-010 (1000ml)	TRC WDI-IBM-49-12-0606 (-2.3,3.5)	LM	12	
11	12/14/06 17:03	12140611.D	P2603371-010 dup (1000ml)	TRC WDI-IBM-49-12-0606 (-2.3,3.5)	LM	12	
12	12/14/06 18:22	12140612.D	P2603371-011 (1000ml)	TRC WDI-IBM-21-12-06-06 (-3.6,3.6)	LM	5	
13	12/14/06 19:03	12140613.D	P2603389-001 (1000ml)	TRC WDI-VW-56-S-12-08-06 (-3.1,3.5)	LM	6	
14	12/14/06 19:44	12140614.D	P2603389-002 (1000ml)	TRC WDI-VW-56-S-12-08-06-SC (-3.3,3.5)	LM	7	
15	12/14/06 20:24	12140615.D	P2603389-003 (1000ml)	TRC WDI-VW-56-I-12-08-06 (-3.5,3.5)	LM	8	
16	12/14/06 21:05	12140616.D	P2603389-004 (1000ml)	TRC WDI-VW-56-D-12-08-06 (-3.2,3.5)	LM	9	
17	12/14/06 21:40	12140617.D	25ng TO-15 CCV STD	S15-12050601/S15-12050606	LM	1	
18	12/14/06 22:16	12140618.D	P2603298-014 (400ml)	[redacted].1,10.2)	LM	4	
19	12/14/06 22:56	12140619.D	P2603396-001 (1000ml)	[redacted]-3.7,3.5)	LM	13	
20	12/14/06 23:37	12140620.D	P2603396-003(1000ml)	[redacted]2.8,3.5)	LM	14	
21	12/15/06 0:17	12140621.D	P2603396-004 (1000ml)	[redacted]1.9,3.5)	LM	15	
22	12/15/06 0:58	12140622.D	P2603396-005 (1000ml)	[redacted]2.5,3.5)	LM	16	
23	12/15/06 1:39	12140623.D	P2603396-006 (1000ml)	[redacted](-2.6,3.5)	LM	10	
24	12/15/06 2:14	12140624.D	~~P2603396-006 (1000ml)~~	[redacted]	LM	12	

1	12/15/06 9:03	12150601.D	25ng TO-15 CCV STD	S15-12050601/S15-12050606	LM	1	Passed
2	12/15/06 10:15	12150602.D	TO-15 Method Blank (1000ml)	S15-12050601	LM	1	Passed
3	12/15/06 11:31	12150603.D	25ng TO-15 LCS Std	S15-12050601/S15-12050608	LM	2	Passed
4	12/15/06 12:13	12150604.D	25ng TO-15 LCSD Std	S15-12050601/S15-12050608	LM	2	Passed / Passed as Dup
5	12/15/06 12:50	12150605.D	1ng TO-15 CCV STD	S15-12050601/S15-12050605	LM	1	Passed
6	12/15/06 13:43	12150606.D	P2603371-009 DIL (100ml)	TRC WDI-IBM-3212-0606 (-2.5,3.6)	LM	11	Case file, Clarify CSU
7	12/15/06 14:23	12150607.D	P2603389-003 DIL (100ml)	TRC WDI-VW-56-I-12-08-06 (-5.5,3.5)	LM	8	Case file, Rerun.
8	12/15/06 15:32	12150608.D	P2603311-001 (10ml)	[redacted].3 (-5.5,3.5)	LM	1	
9	12/15/06 16:19	12150609.D	P2603406-001 (30ml)	TRC WDI-IBM-50-10-06 (-3.7,3.6)	LM	4	Case file, Rerun higher
10	12/15/06 17:07	12150610.D	P2603406-003 (1000ml)	TRC WDI-IBM-24-12-10-06 (-2.7,3.5)	LM	5	
11	12/15/06 17:52	12150611.D	P2603406-003 dup (1000ml)	TRC WDI-IBM-24-12-10-06 (-2.7,3.5)	LM	5	Passed as Dup
12	12/15/06 18:57	12150612.D	P2603311-001 (10ml)	[redacted](0.3,3.5)	LM	4	
13	12/15/06 19:33	12150613.D	P2603311-001 (10ml)	TRC WDI-IBM-50-12-10-06 (-3.2,3.5)	LM	4	Case file, Rerun
14	12/15/06 20:09	12150614.D	P2603406-002 (50ml)	TRC WDI-IBM-28-12-10-06 (-3.2,3.5)	LM	6	
15	12/15/06 20:45	12150615.D	P2603406-004 (100ml)	TRC WDI-IBM-24B-12-10-06 (-2.5,3.5)	LM	7	
16	12/15/06 21:21	12150616.D	P2603389-004 dil (100ml)	TRC WDI-VW-56-D-12-08-06 (-3.2,3.5)	LM	9	
17	12/15/06 21:56	12150617.D	25ng CCV	S15-12050601/S15/12050606	LM	1	CCV outside 12 hours run

3

	Date/Time	File Name	Sample ID	Misc Info	Operator	Vial	Comment
18	12/15/06 22:32	12150618.D	Blank (100ml)	rinse	LM	1	
19	12/15/06 23:12	12150619.D	P2603413-015 (1000ml)	[redacted]-2.0,3.0)	LM	11	
20	12/15/06 23:55	12150620.D	P2603413-015 dup (1000ml)	[redacted]-2.0,3.0)	LM	11	Passed as dup
21	12/16/06 0:36	12150621.D	P2603413-013 (1000ml)	[redacted]2.6,1.0)	LM	8	
22	12/16/06 1:17	12150622.D	P2603413-014 (1000ml)	[redacted]3.3,1.0)	LM	10	
23	12/16/06 1:59	12150623.D	P2603413-016 (1000ml)	[redacted]2.9,1.0)	LM	12	
24	12/16/06 2:40	12150624.D	P2603413-017 (1000ml)	[redacted]3.9,1.0)	LM	13	
25	12/16/06 3:22	12150625.D	P2603413-018 (1000ml)	[redacted]3.1,1.0) LM 11/19/06	LM	15	
26	12/16/06 4:02	12150626.D	P2603396-002 (1000ml)	[redacted](-2.8,3.5) LM 11/19/06	LM	14	
27	12/16/06 4:38	12150627.D	P2603311-001 (100ml)	[redacted](0.3,3.8)	LM	2	
28	12/16/06 5:14	12150628.D	blank(100ml)	rinse	LM	1	

1	12/18/06 7:08	12180601.D	25ng TO-15 CCV STD	S15-12050601/S15-12050606	LM	1	Passed
2	12/18/06 8:28	12180602.D	TO-15 Method Blank (1000ml)	S15-12050601	LM	1	Passed
3	12/18/06 9:31	12180603.D	25ng TO-15 LCS STD	S15-12050601/S15-12050608	LM	10	Passed
4	12/18/06 10:42	12180604.D	25ng TO-15 LCSD STD	S15-12050601/S15-12050608	LM	10	Passed
5	12/18/06 11:30	12180605.D	1ng TO-15 CCV STD	S15-12050601/S15-12050604	LM	1	Passed
6	12/18/06 12:45	12180606.D	P2603371-009 Dil (100ml)	TRC WDI-IBM-32-12-06-06 (-2.5,3.6)	LM	11	
7	12/18/06 13:21	12180607.D	P2603389-004 Dil (100ml)	TRC WDI-VW-56-D-12-08-06 (-3.2,3.5)	LM	9	
8	12/18/06 14:22	12180608.D	P2603406-002 (1000ml)	TRC WDI-IBM-28-12-10-06 (-3.2,3.5) LM 11/19/06	LM	6	
9	12/18/06 15:18	12180609.D	P2603406-004 (1000ml)	TRC WDI-IBM-24B-12-10-06 (-2.5,3.5)	LM	7	
10	12/18/06 16:21	12180610.D	P2603406-005 (1000ml)	TRC WDI-IBM-03B-12-10-06 (-2.6,3.8)	LM	11	
11	12/18/06 17:21	12180611.D	P2603406-005 dup (1000ml)	TRC WDI-IBM-03B-12-10-06 (-2.6,3.8)	LM	11	Passed as dup
12	12/18/06 17:59	12180612.D	P2603389-003 dil (100ml)	TRC WDI-VW-56-I-12--0806 (-3.5,3.5)	LM	2	
13	12/18/06 18:48	12180613.D	25ng TO-15 CCV Std	S15-12050601/S15-12050606	LM	1	Passed
14	12/18/06 19:29	12180614.D	P2603399-001 (1000ml)	[redacted](-2.9,3.5)	LM	6	
15	12/18/06 20:10	12180615.D	P2603399-002 (1000ml)	[redacted](-2.6,3.6) LM 11/19/06	LM	7	
16	12/18/06 20:50	12180616.D	P2603399-003 (1000ml)	[redacted]-2.9,3.5) LM 11/19/06	LM	8	
17	12/18/06 21:31	12180617.D	P2603399-004 (1000ml)	[redacted](-2.3,3.6)	LM	9	
18	12/18/06 22:12	12180618.D	P2603400-001 (1000ml)	[redacted]2.5,3.6)	LM	12	
19	12/18/06 22:53	12180619.D	P2603400-002 (1000ml)	[redacted]2.7,3.5)	LM	13	
20	12/18/06 23:33	12180620.D	P2603400-003 (1000ml)	[redacted]4.3,3.6)	LM	14	
21	12/19/06 0:14	12180621.D	P2603400-004 (1000ml)	[redacted]2.6,3.6)	LM	15	
22	12/19/06 0:55	12180622.D	P2603353-003 (1000ml)	[redacted]2.3,3.6)	LM	16	
23	12/19/06 1:31	12180623.D	P2603353-003 Dil (100ml)	[redacted]3,3.6)	LM	16	
24	12/19/06 2:07	12180624.D	blank (100ml)	rinse	LM	1	

	Date/T
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16	12/20

	Date/Time	File Name	Sample ID	Misc Info	Operator	Vial	Comment
1	12/19/06 8:39	12190601.D	25ng TO-15 CCV STD	S15-12050601/S15-12050606	LM	1	Passed
2	12/19/06 9:35	12190602.D	TO-15 Method Blank (1000ml)	S15-12050601	LM	1	Passed
3	12/19/06 10:40	12190603.D	1ng TO-15 STD	S15-12190601/S15-12050604	LM	1	Passed
4	12/19/06 11:27	12190604.D	25ng TO-15 LCS STD	S15-12190601/S15-12050608	LM	10	Passed
5	12/19/06 12:33	12190605.D	25ng TO-15 LCSD STD	S15-12190601/S15-12050608	LM	10	Passed, Passed as Dup
6	12/19/06 13:09	12190606.D	P2603406-001 (250ml)	TRC WDI-IBM-50-12-10-06 (-3.7,3.6)	LM	4	
7	12/19/06 13:50	12190607.D	P2603406-006 (1000ml)	TRC WDI-IBM-50-12-10-06-SC (-2.8,3.5)	LM	2	
8	12/19/06 14:45	12190608.D	P2603406-007 (1000ml)	TRC WDI-VW-31-S-12-12-06 (-2.5,3.5)	LM	11	RPD for Benzene IS > 40%
9	12/19/06 15:39	12190609.D	P2603406-007 dup (1000ml)	TRC WDI-VW-31-S-12-12-06 (-2.5,3.5)	LM	11	Passed as Dup
10	12/19/06 16:38	12190610.D	P2603406-008 (1000ml)	TRC WDI-VW-31-D-12-12-06 (-3.6,3.5)	LM	2	See IS failed, Carry to
11	12/19/06 17:30	12190611.D	P2603406-003 (1000ml)	TRC WDI-IBM-24-12-10-06 (-2.7,3.5)	LM	4	See IS failed, Carry to
12	12/19/06 18:41	12190612.D	P2603406-012 (1000ml)	TRC WDI-VW-34-I-12-12-~~0~~-06 (-4.0,3.5) -3.6	LM	5	
13	12/19/06 19:22	12190613.D	P2603406-011 (1000ml)	TRC WDI-VW-3-S-12-12-06 (-~~4.0~~ -3.4,3.5)	LM	6	
14	12/19/06 19:58	12190614.D	25ng TO-15 CCV STD	S15-12050601/S15-12050606	LM	1	
15	12/19/06 20:39	12190615.D	P2603462-001 (1000ml)	[redacted] (-2.0,3.7)	LM	7	
16	12/19/06 21:16	12190616.D	P2603391-001 (300ml)	[redacted] (0.0,3.6)	LM	8	
17	12/19/06 21:56	12190617.D	P2603391-005 (1000ml)	[redacted] (-0.2,3.4)	LM	9	
18	12/19/06 22:37	12190618.D	P2603391-006 (1000ml)	[redacted] (0.2,3.6)	LM	11	
19	12/19/06 23:18	12190619.D	P2603391-007 (1000ml)	[redacted] (-0.2,3.6)	LM	12	
20	12/19/06 23:58	12190620.D	P2603391-008 (1000ml)	[redacted] (-0.1,3.5)	LM	13	
21	12/20/06 0:39	12190621.D	P2603391-009 (1000ml)	[redacted] (0.0,3.5)	LM	14	
22	12/20/06 1:20	12190622.D	P2603391-010 (1000ml)	[redacted] (0.0,3.5)	LM	15	
23	12/20/06 1:55	12190623.D	P2603391-010 dil (100ml)	[redacted] (0.0,3.5)	LM	10	
24	12/20/06 2:31	12190624.D	P2603462-001 dil (100ml)	[redacted] (-2.0,3.7)	LM	7	

1	12/20/06 9:00	12200601.D	25ng TO-15 CCV STD	S15-12050601/S15-12050606	LM	1	Failed
2	12/20/06 9:52	12200602.D	25ng TO-15 CCV STD	S15-12190601/S15-12150607	LM	1	Passed, 1,3 Butadiene low
3	12/20/06 10:55	12200603.D	TO-15 Method Blank (1000ml)	S15-12190601	LM	1	Passed
4	12/20/06 12:08	12200604.D	1ng TO-15 STD	S15-12190601/S15-12050604	LM	1	Passed
5	12/20/06 12:44	12200605.D	25ng TO-15 LCS STD	S15-12190601/S15-12050608	LM	10	Passed
6	12/20/06 13:20	12200606.D	25ng TO-15 LCSD STD	S15-12190601/S15-12050608	LM	10	Passed, Passed as Dup
7	12/20/06 14:16	12200607.D	P2603406-009 (1000ml)	TRC WDI-34-D-12-12-06 (-3.7,3.5)	LM	4	
8	12/20/06 15:17	12200608.D	P2603406-010 (1000ml)	TRC WDI-34-I-12-12-06 (-3.7,3.6)	LM	16	
9	12/20/06 16:13	12200609.D	P2603406-010 dup (1000ml)	TRC WDI-34-I-12-12-06 (-3.7,3.6)	LM	16	Passed as Dup
10	12/20/06 17:26	12200610.D	P2603406-008 (1000ml)	TRC WDI-VW-31-D-12-12-06 (-3.6,3.5)	LM	16	
11	12/20/06 18:37	12200611.D	P2603349-002 (1.0ml)	[redacted] (0.1,3.5)	LM	1	
12	12/20/06 19:18	12200612.D	P2603461-001 (1000ml)	TRC WDI-VW-35-S-12-12-06 (-3.3,3.6)	LM	6	
13	12/20/06 19:54	12200613.D	P2603461-002 (25ml)	TRC WDI-VW-35-D-12-12-06 (-2.5,3.6)	LM	7	
14	12/20/06 20:30	12200614.D	P2603461-003 (60ml)	TRC WDI-VW-35-I-12-12-06 (-2.6,3.6)	LM	8	
15	12/20/06 21:06	12200615.D	25ng TO-15 CCV Std	S15-12050601/S15-12150607	LM	1	Passed, VC Was low
16	12/20/06 21:42	12200616.D	25ng TO-15 CCV Std	S15-12050601/S15-12050607	LM	5	

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-50-12-10-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-001

Test Code: EPA TO-15 SIM Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973N/HP6890A/MS7
Analyst: Aristotle Bragasin
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00589

Date Collected: 12/10/06
Date Received: 12/12/06
Date(s) Analyzed: 12/20/06
Volume(s) Analyzed: 0.25 Liter(s)

Pi 1 = -3.7 Pf 1 = 3.6

Can D.F. = 1.66

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-01-4	Vinyl Chloride	ND	0.17	ND	0.065	
106-93-4	1,2-Dibromoethane	ND	0.17	ND	0.022	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: Rc Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-28-12-10-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-002

Test Code: EPA TO-15 SIM Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973N/HP6890A/MS7
Analyst: Aristotle Bragasin
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00926

Date Collected: 12/10/06
Date Received: 12/12/06
Date(s) Analyzed: 12/20/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.2 Pf 1 = 3.6

Can D.F. = 1.59

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-01-4	Vinyl Chloride	**0.077**	0.040	**0.030**	0.016	
106-93-4	1,2-Dibromoethane	ND	0.040	ND	0.0052	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit.**
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RC Date: 12/28/06

03406VOA.RD1 - Sample (2)

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-28-12-10-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-002DUP

Test Code: EPA TO-15 SIM Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973N/HP6890A/MS7
Analyst: Aristotle Bragasin
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00926

Date Collected: 12/10/06
Date Received: 12/12/06
Date(s) Analyzed: 12/20/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.2 Pf 1 = 3.6

Can D.F. = 1.59

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-01-4	Vinyl Chloride	**0.079**	0.040	**0.031**	0.016	
106-93-4	1,2-Dibromoethane	ND	0.040	ND	0.0052	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-24-12-10-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-003

Test Code: EPA TO-15 SIM Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973N/HP6890A/MS7
Analyst: Aristotle Bragasin
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00594

Date Collected: 12/10/06
Date Received: 12/12/06
Date(s) Analyzed: 12/20/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.7 Pf 1 = 3.5
Pi 2 = -1.7 Pf 2 = 2.4 Can D.F. = 2.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-01-4	Vinyl Chloride	ND	0.050	ND	0.020	
106-93-4	1,2-Dibromoethane	ND	0.050	ND	0.0065	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-24B-12-10-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-004

Test Code: EPA TO-15 SIM Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973N/HP6890A/MS7
Analyst: Aristotle Bragasin
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00756

Date Collected: 12/10/06
Date Received: 12/12/06
Date(s) Analyzed: 12/20/06
Volume(s) Analyzed: 0.50 Liter(s)

Pi 1 = -2.5 Pf 1 = 3.5

Can D.F. = 1.49

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-01-4	Vinyl Chloride	ND	0.075	ND	0.029	
106-93-4	1,2-Dibromoethane	ND	0.075	ND	0.0097	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit.**
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-03B-12-10-06**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-005

Test Code: EPA TO-15 SIM Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973N/HP6890A/MS7
Analyst: Aristotle Bragasin
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00404

Date Collected: 12/10/06
Date Received: 12/12/06
Date(s) Analyzed: 12/20/06
Volume(s) Analyzed: 0.25 Liter(s)

Pi 1 = -2.6 Pf 1 = 3.8

Can D.F. = 1.53

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-01-4	Vinyl Chloride	ND	0.15	ND	0.060	
106-93-4	1,2-Dibromoethane	ND	0.15	ND	0.020	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit.**
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-50-12-10-06-SC**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P2603406-006

Test Code: EPA TO-15 SIM Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973N/HP6890A/MS7
Analyst: Aristotle Bragasin
Sampling Media: Summa Canister
Test Notes:
Container ID: AC01273

Date Collected: 12/10/06
Date Received: 12/12/06
Date(s) Analyzed: 12/20/06
Volume(s) Analyzed: 0.25 Liter(s)

Pi 1 = -2.8 Pf 1 = 3.5

Can D.F. = 1.53

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-01-4	Vinyl Chloride	ND	0.15	ND	0.060	
106-93-4	1,2-Dibromoethane	ND	0.15	ND	0.020	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RC Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2603406
CAS Sample ID: P061220-MB

Test Code: EPA TO-15 SIM Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973N/HP6890A/MS7
Analyst: Aristotle Bragasin
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date(s) Analyzed: 12/20/06
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-01-4	Vinyl Chloride	ND	0.025	ND	0.0098	
106-93-4	1,2-Dibromoethane	ND	0.025	ND	0.0033	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RG Date: 12/28/06

03406VOA.RD1 - MBlank

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Project ID: WDI

CAS Project ID: P2603406

Surrogate Spike Recovery Results

Test Code: EPA TO-15 SIM Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973N/HP6890A/MS7
Analyst: Aristotle Bragasin
Sampling Media: Summa Canister(s)
Test Notes:

Date Collected: 12/10/06
Date Received: 12/12/06
Date Analyzed: 12/20/06

Client Sample ID	CAS Sample ID	1,2-Dichloroethane-d4		Toluene-d8		Bromofluorobenzene		Data Qualifier
		% Recovered	Acceptance Limits	% Recovered	Acceptance Limits	% Recovered	Acceptance Limits	
Method Blank	P061220-MB	**94**	80-120	**94**	80-120	**102**	80-120	
Lab Control Sample	P061220-LCS	**93**	80-120	**94**	80-120	**104**	80-120	
Duplicate Lab Control Sample	P061220-DLCS	**92**	80-120	**93**	80-120	**106**	80-120	
WDI-IBM-50-12-10-06	P2603406-001	**92**	80-120	**94**	80-120	**105**	80-120	
WDI-IBM-28-12-10-06	P2603406-002	**94**	80-120	**94**	80-120	**105**	80-120	
WDI-IBM-28-12-10-06	P2603406-002DUP	**94**	80-120	**93**	80-120	**104**	80-120	
WDI-IBM-24-12-10-06	P2603406-003	**93**	80-120	**94**	80-120	**101**	80-120	
WDI-IBM-24B-12-10-06	P2603406-004	**91**	80-120	**94**	80-120	**109**	80-120	
WDI-IBM-03B-12-10-06	P2603406-005	**92**	80-120	**93**	80-120	**100**	80-120	
WDI-IBM-50-12-10-06-SC	P2603406-006	**90**	80-120	**93**	80-120	**100**	80-120	

Verified By: RG Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: Duplicate Lab Control Sample
Client Project ID : WDI

CAS Project ID: P2603406
CAS Sample ID: P061220-LCS, P061220-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code: EPA TO-15 SIM Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973N/HP6890A/MS7
Analyst: Aristotle Bragasin
Sampling Media: Summa Canister
Test Notes:

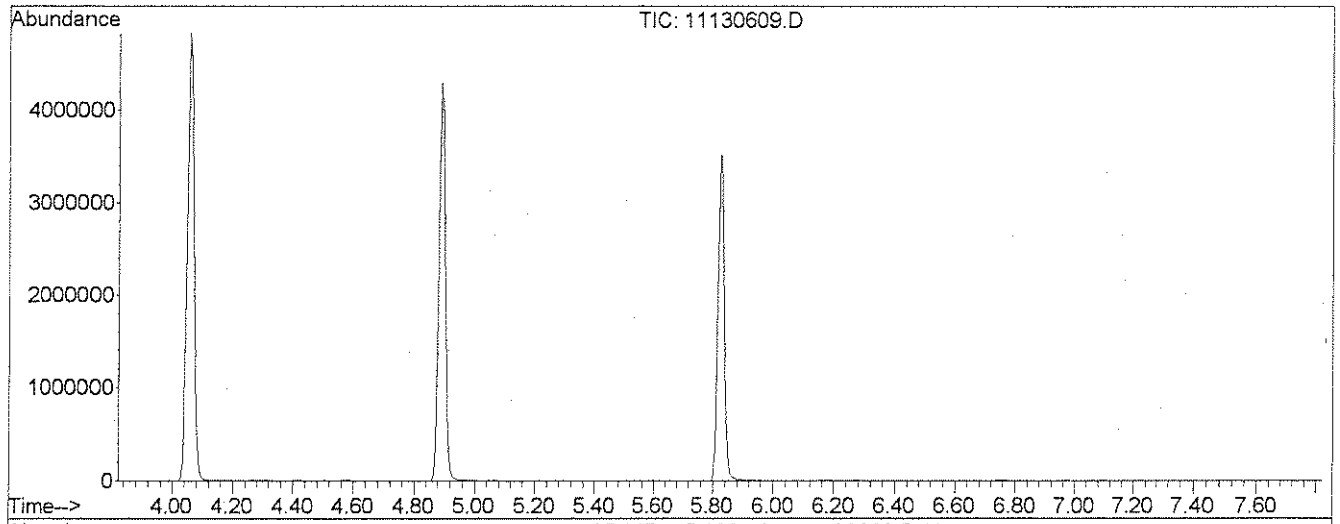
Date Collected: NA
Date Received: NA
Date Analyzed: 12/20/06
Volume(s) Analyzed: NA

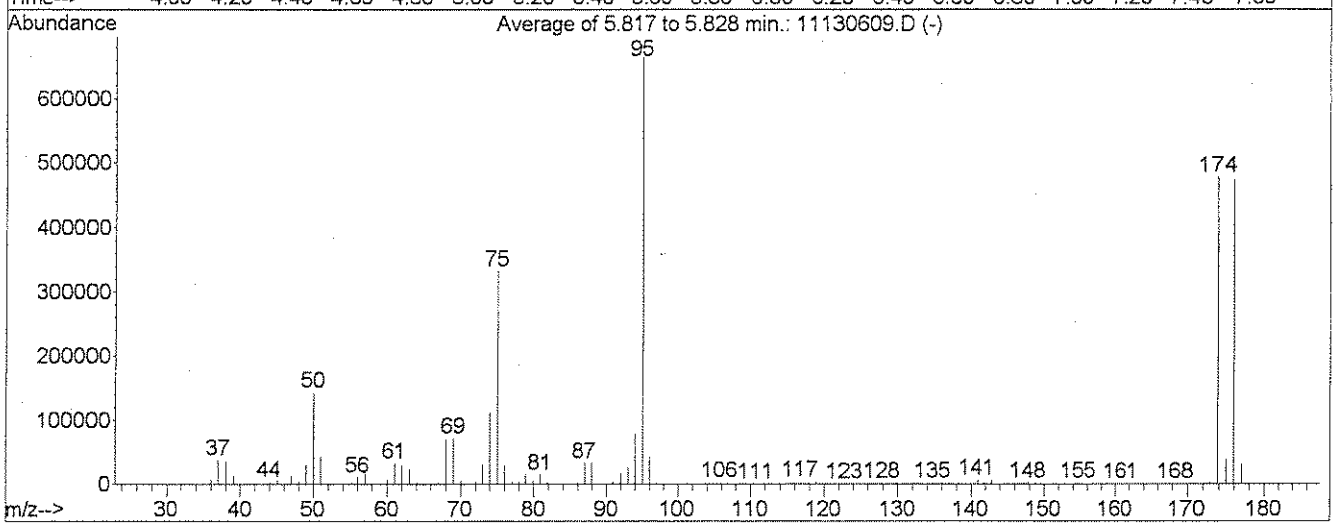
Compound	Spike Amt LCS/DLCS pg	Result LCS pg	Result DLCS pg	% Recovery LCS	% Recovery DLCS	CAS Acceptance Limits	RPD	RPD Limit %	Data Qualifier
Vinyl Chloride	495	548	549	**111**	**111**	65-135	**0**	35	
1,2-Dibromoethane	520	557	544	**107**	**105**	65-135	**2**	35	

Verified By: RG Date: 12/28/06

BFB

Data File : J:\MS07\DATA\2006_11\13\11130609.D Vial: 2
Acq On : 13 Nov 2006 13:43 Operator: AB
Sample : 25ng BFB Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : J:\MS07\METHODS\X7111306.M (RTE Integrator)
Title : TO-15/SIM





AutoFind: Scans 499, 500, 501; Background Corrected with Scan 491

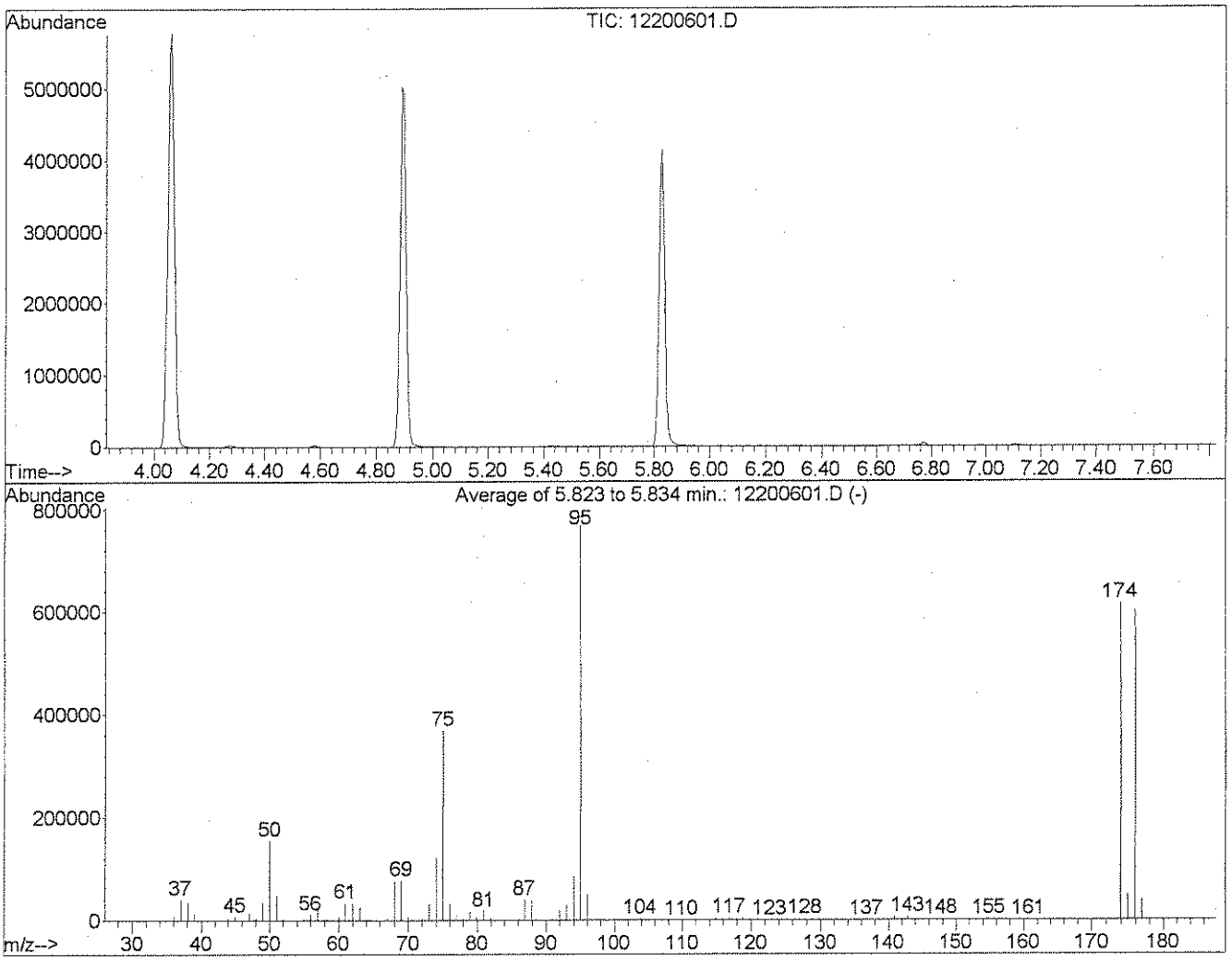
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.5	142904	PASS
75	95	30	66	49.9	331776	PASS
95	95	100	100	100.0	664533	PASS
96	95	5	9	6.5	43317	PASS
173	174	0.00	2	0.3	1558	PASS
174	95	50	120	71.8	477162	PASS
175	174	4	9	7.8	36997	PASS
176	174	93	101	98.9	472149	PASS
177	176	5	9	6.4	30226	PASS

11130609.D X7111306.M Mon Nov 13 18:14:57 2006 MSD7

BFB

Data File : J:\MS07\DATA\2006_12\20\12200601.D
Acq On : 20 Dec 2006 9:20
Sample : 25ng BFB
Misc :
MS Integration Params: rteint.p
Method : J:\MS07\METHODS\X7111306.M (RTE Integrator)
Title : TO-15/SIM

Vial: 1
Operator: AB
Inst : MSD7
Multiplr: 1.00



AutoFind: Scans 500, 501, 502; Background Corrected with Scan 492

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	20.2	155093	PASS
75	95	30	66	48.1	369237	PASS
95	95	100	100	100.0	766976	PASS
96	95	5	9	6.5	49952	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	80.2	614954	PASS
175	174	4	9	8.1	49506	PASS
176	174	93	101	97.9	601920	PASS
177	176	5	9	6.3	38218	PASS

12200601.D X7111306.M Wed Dec 20 15:10:04 2006 MSD7

Response Factor Report MSD7

Method : J:\MS07\METHODS\X7111306.M (RTE Integrator)
Title : TO-15/SIM
Last Update : Mon Nov 13 17:58:20 2006
Response via : Initial Calibration

Calibration Files
10 =11130610.D 25 =11130611.D 100 =11130612.D 250 =11130613.D 500 =11130614.D
1000 =11130615.D 2500 =11130616.D 9999 =11130617.D = =

		Compound	10	25	100	250	500	1000	2500	9999	Avg	%RSD
1)	I	Bromochloromethan	----------	----------	----------	----------	ISTD	----------	----------	----------		
2)	T	Dichlorodifluorom	3.777	3.516	2.855	3.006	3.081	2.885	2.830	2.714	3.083	12.06
3)	T	Chloromethane			1.028	0.990	0.982	0.928	0.897	0.873	0.950	6.33
4)	T	Vinyl Chloride	2.816	2.930	2.386	2.518	2.583	2.621	2.578	2.476	2.613	6.83
5)	T	Chloroethane	1.470	1.383	1.221	1.238	1.251	1.192	1.187	1.177	1.265	8.35
6)	T	Acetone			3.037	2.411	2.103	1.777	1.799	1.563	2.115	25.53
7)	T	1,1-Dichloroethen	1.419	1.322	1.205	1.273	1.291	1.239	1.249	1.250	1.281	5.14
8)	T	Methylene Chlorid			1.418	1.478	1.512	1.440	1.431	1.372	1.442	3.37
9)	T	Trichlorotrifluor	1.454	1.254	1.078	1.117	1.166	1.103	1.082	1.067	1.165	11.32
10)	T	trans-1,2-Dichlor	1.383	1.417	1.314	1.405	1.456	1.389	1.380	1.390	1.392	2.87
11)	T	1,1-Dichloroethan	3.088	2.143	2.714	2.850	2.898	2.246	2.198	2.319	2.557	14.50
12)	T	Methyl tert-Butyl	4.154	3.883	4.112	4.268	4.373	3.774	3.626	3.684	3.984	7.04
13)	T	cis-1,2-Dichloroe	1.469	1.434	1.299	1.426	1.500	1.389	1.400	1.408	1.416	4.23
14)	T	Chloroform			2.248	2.301	2.318	2.109	1.990	1.983	2.158	7.04
15)	S	1,2-Dichloroethan	2.161	2.192	2.159	2.176	2.118	2.101	2.028	1.965	2.112	3.74
16)	T	1,2-Dichloroethan	1.813	1.974	1.817	1.937	2.020	1.926	1.924	1.912	1.915	3.70
17)	T	1,1,1-Trichloroet	2.291	2.082	2.004	2.145	2.192	2.056	2.043	2.043	2.107	4.56
18)	T	Benzene			9.907	7.648	7.061	6.299	6.123	6.059	7.183	20.48
19)	T	Carbon Tetrachlor	1.682	1.352	1.540	1.627	1.704	1.581	1.605	1.656	1.593	6.98
20)	I	1,4-Difluorobenze	----------	----------	----------	----------	ISTD	----------	----------	----------		
21)	T	1,2-Dichloropropa	0.337	0.295	0.282	0.293	0.308	0.293	0.295	0.296	0.300	5.49
22)	T	Trichloroethene	0.360	0.256	0.228	0.234	0.241	0.230	0.232	0.240	0.253	17.53
23)	T	1,4-Dioxane	0.232	0.211	0.164	0.169	0.174	0.171	0.174	0.188	0.185	12.93
24)	T	cis-1,3-Dichlorop	0.389	0.358	0.363	0.410	0.417	0.404	0.417	0.446	0.400	7.32
25)	T	1,1,2-Trichloroet	0.237	0.219	0.199	0.210	0.216	0.208	0.212	0.219	0.215	5.07
26)	S	Toluene-d8 (SS2)	1.147	1.137	1.153	1.147	1.143	1.151	1.163	1.154	1.149	0.67
27)	T	Toluene		1.361	1.110	1.131	1.138	1.094	1.102	1.149	1.155	8.06

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report MSD7

Method : J:\MS07\METHODS\X7111306.M (RTE Integrator)
Title : TO-15/SIM
Last Update : Mon Nov 13 17:58:20 2006
Response via : Initial Calibration

Calibration Files
10 =11130610.D 25 =11130611.D 100 =11130612.D 250 =11130613.D 500 =11130614.D
1000 =11130615.D 2500 =11130616.D 9999 =11130617.D = =

		Compound	10	25	100	250	500	1000	2500	9999	Avg	%RSD
28)	T	1,2-Dibromoethane	0.231	0.242	0.227	0.241	0.254	0.249	0.254	0.267	0.245	5.36
29)	T	Tetrachloroethene	0.258	0.236	0.226	0.241	0.247	0.237	0.239	0.245	0.241	3.84
30)	I	Chlorobenzene-d5	----------	----------	----------	----------	ISTD	----------	----------	----------		
31)	T	Chlorobenzene	1.396	1.243	1.194	1.245	1.277	1.223	1.218	1.274	1.259	4.93
32)	T	Ethylbenzene	2.697	2.441	2.199	2.315	2.385	2.284	2.313	2.471	2.388	6.39
33)	T	m-&-p-Xylene	1.780	1.527	1.337	1.430	1.495	1.450	1.472	1.585	1.509	8.69
34)	T	o-Xylene	1.699	1.630	1.499	1.586	1.647	1.582	1.594	1.700	1.617	4.14
35)	T	1,1,2,2-Tetrachlo	0.817	0.764	0.696	0.747	0.786	0.740	0.757	0.793	0.763	4.90
36)	S	Bromofluorobenzen	0.669	0.671	0.665	0.668	0.678	0.678	0.691	0.688	0.676	1.44
37)	T	1,3-Dichlorobenze	0.910	0.903	0.832	0.916	0.971	0.931	0.962	1.058	0.935	6.97
38)	T	1,4-Dichlorobenze	1.055	0.962	0.864	0.885	0.939	0.905	0.937	1.012	0.945	6.79
39)	T	1,2-Dichlorobenze	0.880	0.854	0.783	0.859	0.911	0.871	0.891	0.969	0.877	6.01
40)	T	1,2,4-Trichlorobe	0.770	0.695	0.316	0.491	0.539	0.537	0.555	0.652	0.569	24.39
41)	T	Naphthalene			0.938	1.436	1.620	1.631	1.716	2.038	1.563	23.31
42)	T	Hexachlorobutadie				0.313	0.351	0.338	0.347	0.378	0.345	6.79

(#) = Out of Range ### Number of calibration levels exceeded format ###

Evaluate Continuing Calibration Report

Data File : J:\MS07\DATA\2006_12\20\12200603.D Vial: 2
Acq On : 20 Dec 2006 10:12 Operator: AB
Sample : 500pg TO-15/SIM CCV std Inst : MSD7
Misc : S15-12050609/S15-12050610 Multiplr: 1.00
MS Integration Params: rteint.p

Method : J:\MS07\METHODS\X7111306.M (RTE Integrator)
Title : TO-15/SIM
Last Update : Mon Nov 13 17:58:20 2006
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane (IS1)	1.000	1.000	0.0	97	0.01
2	T	Dichlorodifluoromethane	3.083	2.936	4.8	93	0.00
3	T	Chloromethane	0.950	0.946	0.4	93	0.00
4	T	Vinyl Chloride	2.613	2.614	-0.0	98	0.00
5	T	Chloroethane	1.265	1.246	1.5	97	0.00
6	T	Acetone	2.115	2.643	-25.0	122	0.00
7	T	1,1-Dichloroethene	1.281	1.296	-1.2	97	0.00
8	T	Methylene Chloride	1.442	1.463	-1.5	94	0.01
9	T	Trichlorotrifluoroethane	1.165	1.137	2.4	95	0.00
10	T	trans-1,2-Dichloroethene	1.392	1.387	0.4	92	0.01
11	T	1,1-Dichloroethane	2.557	2.385	6.7	80	0.00
12	T	Methyl tert-Butyl Ether	3.984	4.296	-7.8	95	0.00
13	T	cis-1,2-Dichloroethene	1.416	1.416	0.0	92	0.00
14	T	Chloroform	2.158	2.234	-3.5	94	0.00
15	S	1,2-Dichloroethane-d4 (SS1)	2.112	1.980	6.3	91	0.00
16	T	1,2-Dichloroethane	1.915	1.881	1.8	90	0.00
17	T	1,1,1-Trichloroethane	2.107	2.097	0.5	93	0.00
18	T	Benzene	7.183	7.936	-10.5	109	0.00
19	T	Carbon Tetrachloride	1.593	1.646	-3.3	94	0.00
20	I	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	97	0.00
21	T	1,2-Dichloropropane	0.300	0.290	3.3	91	0.00
22	T	Trichloroethene	0.253	0.238	5.9	95	0.00
23	T	1,4-Dioxane	0.185	0.183	1.1	102	0.00
24	T	cis-1,3-Dichloropropene	0.400	0.404	-1.0	94	0.00
25	T	1,1,2-Trichloroethane	0.215	0.209	2.8	93	0.00
26	S	Toluene-d8 (SS2)	1.149	1.061	7.7	90	0.00
27	T	Toluene	1.155	1.119	3.1	95	0.00
28	T	1,2-Dibromoethane	0.245	0.247	-0.8	94	0.00
29	T	Tetrachloroethene	0.241	0.244	-1.2	96	0.00
30	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	96	0.00
31	T	Chlorobenzene	1.259	1.277	-1.4	96	0.00
32	T	Ethylbenzene	2.388	2.357	1.3	95	0.00
33	T	m-&-p-Xylene	1.509	1.463	3.0	94	0.00
34	T	o-Xylene	1.617	1.623	-0.4	94	0.00
35	T	1,1,2,2-Tetrachloroethane	0.763	0.762	0.1	93	0.00
36	S	Bromofluorobenzene (SS3)	0.676	0.705	-4.3	100	0.00
37	T	1,3-Dichlorobenzene	0.935	0.984	-5.2	97	0.00
38	T	1,4-Dichlorobenzene	0.945	0.957	-1.3	98	0.00
39	T	1,2-Dichlorobenzene	0.877	0.922	-5.1	97	0.00

(#) = Out of Range

Data File : J:\MS07\DATA\2006_12\20\12200603.D Vial: 2
Acq On : 20 Dec 2006 10:12 Operator: AB
Sample : 500pg TO-15/SIM CCV std Inst : MSD7
Misc : S15-12050609/S15-12050610 Multiplr: 1.00
MS Integration Params: rteint.p

Method : J:\MS07\METHODS\X7111306.M (RTE Integrator)
Title : TO-15/SIM
Last Update : Mon Nov 13 17:58:20 2006
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	T	1,2,4-Trichlorobenzene	0.569	0.584	-2.6	104	0.00
41	T	Naphthalene	1.563	1.842	-17.9	109	0.00
42	T	Hexachlorobutadiene	0.345	0.389	-12.8	106	0.00

Evaluate Continuing Calibration Report

Data File : J:\MS07\DATA\2006_12\20\12200607.D
Acq On : 20 Dec 2006 12:20
Sample : 25pg CRQL std
Misc : S15-12050609/S15-12050611
MS Integration Params: rteint.p

Vial: 2
Operator: AB
Inst : MSD7
Multiplr: 1.00

Method : J:\MS07\METHODS\X7111306.M (RTE Integrator)
Title : TO-15/SIM
Last Update : Mon Nov 13 17:58:20 2006
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane (IS1)	1.000	1.000	0.0	99	0.01
2	T	Dichlorodifluoromethane	3.083	3.267	-6.0	92	0.00
3	T	Chloromethane	0.950	1.559	-64.1#	0#	0.00
4	T	Vinyl Chloride	2.613	2.567	1.8	86	0.01
5	T	Chloroethane	1.265	1.219	3.6	87	0.00
6	T	Acetone	2.115	57.070	-2598.3#	0#	0.00
7	T	1,1-Dichloroethene	1.281	1.232	3.8	92	0.00
8	T	Methylene Chloride	1.442	4.518	-213.3#	0#	0.02
9	T	Trichlorotrifluoroethane	1.165	1.246	-7.0	98	0.00
10	T	trans-1,2-Dichloroethene	1.392	1.269	8.8	88	0.02
11	T	1,1-Dichloroethane	2.557	2.140	16.3	98	0.00
12	T	Methyl tert-Butyl Ether	3.984	4.160	-4.4	106	0.06
13	T	cis-1,2-Dichloroethene	1.416	1.323	6.6	91	0.02
14	T	Chloroform	2.158	3.329	-54.3#	0#	0.01
15	S	1,2-Dichloroethane-d4 (SS1)	2.112	1.983	6.1	89	0.00
16	T	1,2-Dichloroethane	1.915	1.690	11.7	84	0.01
17	T	1,1,1-Trichloroethane	2.107	2.026	3.8	96	0.00
18	T	Benzene	7.183	39.310	-447.3#	0#	0.00
19	T	Carbon Tetrachloride	1.593	1.496	6.1	109	0.00
20	I	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	94	0.00
21	T	1,2-Dichloropropane	0.300	0.287	4.3	92	0.01
22	T	Trichloroethene	0.253	0.273	-7.9	101	0.01
23	T	1,4-Dioxane	0.185	0.002	98.9#	1#	-0.06
24	T	cis-1,3-Dichloropropene	0.400	0.352	12.0	93	0.03
25	T	1,1,2-Trichloroethane	0.215	0.188	12.6	81	0.02
26	S	Toluene-d8 (SS2)	1.149	1.069	7.0	89	0.00
27	T	Toluene	1.155	1.436	-24.3	100	0.00
28	T	1,2-Dibromoethane	0.245	0.212	13.5	83	0.04
29	T	Tetrachloroethene	0.241	0.236	2.1	95	0.00
30	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	94	0.00
31	T	Chlorobenzene	1.259	1.470	-16.8	111	0.01
32	T	Ethylbenzene	2.388	2.401	-0.5	92	0.01
33	T	m-&-p-Xylene	1.509	1.515	-0.4	93	0.02
34	T	o-Xylene	1.617	1.604	0.8	92	0.01
35	T	1,1,2,2-Tetrachloroethane	0.763	0.765	-0.3	94	0.02
36	S	Bromofluorobenzene (SS3)	0.676	0.694	-2.7	97	0.00
37	T	1,3-Dichlorobenzene	0.935	0.975	-4.3	101	0.02
38	T	1,4-Dichlorobenzene	0.945	0.894	5.4	87	0.01
39	T	1,2-Dichlorobenzene	0.877	0.949	-8.2	104	0.01

(#) = Out of Range

12/20/06

Evaluate Continuing Calibration Report

Data File : J:\MS07\DATA\2006_12\20\12200607.D Vial: 2
Acq On : 20 Dec 2006 12:20 Operator: AB
Sample : 25pg CRQL std Inst : MSD7
Misc : S15-12050609/S15-12050611 Multiplr: 1.00
MS Integration Params: rteint.p

Method : J:\MS07\METHODS\X7111306.M (RTE Integrator)
Title : TO-15/SIM
Last Update : Mon Nov 13 17:58:20 2006
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	T	1,2,4-Trichlorobenzene	0.569	0.784	-37.8#	106	0.02
41	T	Naphthalene	1.563	3.178	-103.3#	0#	0.02
42	T	Hexachlorobutadiene	0.345	0.547	-58.6#	0#	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

12/20/06

Evaluate Continuing Calibration Report

Data File : J:\MS07\DATA\2006_12\20\12200620.D Vial: 2
Acq On : 20 Dec 2006 19:18 Operator: AB
Sample : 500pg TO-15/SIM CCV std Inst : MSD7
Misc : S15-12050609/S15-12050610 Multiplr: 1.00
MS Integration Params: rteint.p

Method : J:\MS07\METHODS\X7111306.M (RTE Integrator)
Title : TO-15/SIM
Last Update : Mon Nov 13 17:58:20 2006
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane (IS1)	1.000	1.000	0.0	113	0.01
2	T	Dichlorodifluoromethane	3.083	2.745	11.0	101	0.00
3	T	Chloromethane	0.950	0.883	7.1	102	0.00
4	T	Vinyl Chloride	2.613	2.516	3.7	110	0.00
5	T	Chloroethane	1.265	1.239	2.1	112	0.00
6	T	Acetone	2.115	2.503	-18.3	134	0.00
7	T	1,1-Dichloroethene	1.281	1.257	1.9	110	0.00
8	T	Methylene Chloride	1.442	1.396	3.2	104	0.00
9	T	Trichlorotrifluoroethane	1.165	1.120	3.9	108	0.00
10	T	trans-1,2-Dichloroethene	1.392	1.373	1.4	107	0.00
11	T	1,1-Dichloroethane	2.557	2.274	11.1	89	0.00
12	T	Methyl tert-Butyl Ether	3.984	4.190	-5.2	108	0.00
13	T	cis-1,2-Dichloroethene	1.416	1.390	1.8	105	0.00
14	T	Chloroform	2.158	1.994	7.6	97	0.00
15	S	1,2-Dichloroethane-d4 (SS1)	2.112	1.866	11.6	100	0.00
16	T	1,2-Dichloroethane	1.915	1.750	8.6	98	0.00
17	T	1,1,1-Trichloroethane	2.107	2.015	4.4	104	0.00
18	T	Benzene	7.183	7.121	0.9	114	0.00
19	T	Carbon Tetrachloride	1.593	1.553	2.5	103	0.00
20	I	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	112	0.00
21	T	1,2-Dichloropropane	0.300	0.284	5.3	103	0.00
22	T	Trichloroethene	0.253	0.239	5.5	111	0.00
23	T	1,4-Dioxane	0.185	0.175	5.4	113	0.00
24	T	cis-1,3-Dichloropropene	0.400	0.397	0.8	107	0.00
25	T	1,1,2-Trichloroethane	0.215	0.199	7.4	103	0.00
26	S	Toluene-d8 (SS2)	1.149	1.069	7.0	105	0.00
27	T	Toluene	1.155	1.116	3.4	110	0.00
28	T	1,2-Dibromoethane	0.245	0.243	0.8	107	0.00
29	T	Tetrachloroethene	0.241	0.247	-2.5	112	0.00
30	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	109	0.00
31	T	Chlorobenzene	1.259	1.290	-2.5	110	0.00
32	T	Ethylbenzene	2.388	2.366	0.9	108	0.00
33	T	m-&-p-Xylene	1.509	1.470	2.6	107	0.00
34	T	o-Xylene	1.617	1.633	-1.0	108	0.00
35	T	1,1,2,2-Tetrachloroethane	0.763	0.756	0.9	105	0.00
36	S	Bromofluorobenzene (SS3)	0.676	0.708	-4.7	114	0.00
37	T	1,3-Dichlorobenzene	0.935	0.983	-5.1	111	0.00
38	T	1,4-Dichlorobenzene	0.945	0.966	-2.2	112	0.00
39	T	1,2-Dichlorobenzene	0.877	0.914	-4.2	110	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : J:\MS07\DATA\2006_12\20\12200620.D Vial: 2
Acq On : 20 Dec 2006 19:18 Operator: AB
Sample : 500pg TO-15/SIM CCV std Inst : MSD7
Misc : S15-12050609/S15-12050610 Multiplr: 1.00
MS Integration Params: rteint.p

Method : J:\MS07\METHODS\X7111306.M (RTE Integrator)
Title : TO-15/SIM
Last Update : Mon Nov 13 17:58:20 2006
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	T	1,2,4-Trichlorobenzene	0.569	0.539	5.3	109	0.00
41	T	Naphthalene	1.563	1.693	-8.3	114	0.00
42	T	Hexachlorobutadiene	0.345	0.345	0.0	107	0.00

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Project ID: WDI

CAS Project ID: P2603406

Internal Standard Area and RT Summary

Test Code: EPA TO-15 SIM Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973N/HP6890A/MS7
Analyst: Aristotle Bragasin
Sampling Media: Summa Canister(s)
Test Notes:

Lab File ID: 12200603.D
Date Analyzed: 12/20/06
Time Analyzed: 10:12

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	24 Hour Standard	34183	4.95	188903	6.26	97708	9.85
	Upper Limit	47856	5.28	264464	6.59	136791	10.18
	Lower Limit	20510	4.62	113342	5.93	58625	9.52
	Client Sample ID						
01	Method Blank	38272	4.95	220629	6.27	112610	9.85
02	Lab Control Sample	33682	4.94	187921	6.26	98738	9.84
03	Duplicate Lab Control Sample	34090	4.95	187578	6.26	96829	9.85
04	WDI-IBM-24-12-10-06	34674	4.95	188412	6.26	99212	9.85
05	WDI-IBM-28-12-10-06	34145	4.95	187506	6.26	96178	9.85
06	WDI-IBM-28-12-10-06 (Lab Duplicate)	35552	4.95	194456	6.27	100428	9.85
07	WDI-IBM-50-12-10-06	38793	4.95	216386	6.26	116001	9.85
08	WDI-IBM-24B-12-10-06	39111	4.95	214943	6.26	110356	9.85
09	WDI-IBM-03B-12-10-06	39153	4.95	218028	6.26	117802	9.85
10	WDI-IBM-50-12-10-06-SC	40020	4.95	222257	6.26	120274	9.85
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = 140% of internal standard area
AREA LOWER LIMIT = 60% of internal standard area
RT UPPER LIMIT = 0.33 minutes of internal standard RT
RT LOWER LIMIT = 0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Verified by: RG Date: 12/28/06

03406VOA.RD1 - ISS

Date/Time	File Name	Sample ID	Misc Info	Operator	Vial	Comment
12/19/06 20:45	12190619.D	P2603412-019 (1000ml)	[redacted]-3.6, 3.6)	AB	9	
12/19/06 21:17	12190620.D	P2603412-021 (1000ml)	[redacted]0.3, 3.6)	AB	10	
12/19/06 21:49	12190621.D	P2603412-022 (1000ml)	[redacted]-2.6, 3.6)	AB	11	
12/19/06 22:22	12190622.D	P2603412-023 (1000ml)	[redacted]1.8, 3.5)	AB	12	
12/19/06 22:54	12190623.D	P2603412-025 (1000ml)	[redacted]0.3, 3.5)	AB	13	
12/19/06 23:28	12190624.D	P2603412-027 (1000ml)	[redacted]0.7, 3.5)	AB	14	
12/19/06 23:56	12190625.D	P2603412-026 (100ml)	[redacted]2.6, 3.5)	AB	16	
12/20/06 0:24	12190626.D	P2603412-026 dil (20ml)	[redacted]2.6, 3.5)	AB	16	
12/20/06 0:52	12190627.D	Blank (100ml)		AB	2	
12/20/06 9:20	12200601.D	25ng BFB		AB	1	PASSED
12/20/06 9:43	12200602.D	Blank (100ml)		AB	2	
12/20/06 10:12	12200603.D	500pg TO-15/SIM CCV std	S15-12050609/S15-12050610	AB	2	PASSED
12/20/06 10:50	12200604.D	TO-15/SIM Method Blank (1000ml)	S15-12050609	AB	2	PASSED
12/20/06 11:21	12200605.D	500pg TO-15/SIM LCS	S15-12050609/S15-12050610	AB	4	PASSED
12/20/06 11:49	12200606.D	500pg TO-15/SIM LCS Dup	S15-12050609/S15-12050610	AB	4	PASSED
12/20/06 12:20	12200607.D	25pg CRQL std	S15-12050609/S15-12050611	AB	2	PASSED MRL check
12/20/06 13:20	12200608.D	P2603406-003 (1000ml)	TRC WDI-IBM-24-12-10-06 (-2.7, 3.5)(-1.7,2.4)	AB	5	
12/20/06 13:52	12200609.D	P2603406-002 (1000ml)	TRC WDI-IBM-28-12-10-06 (-3.2, 3.6)	AB	6	
12/20/06 14:29	12200610.D	P2603406-002 Dup (1000ml)	TRC WDI-IBM-28-12-10-06 (-3.2, 3.6)	AB	6	PASSED AS DUP
12/20/06 14:57	12200611.D	P2603406-001 (100ml)	TRC WDI-IBM-50-12-10-06 (-3.7, 3.6)	AB	7	CASEFILE: RL highest
12/20/06 15:24	12200612.D	P2603406-004 (200ml)	TRC WDI-IBM-50-12-10-06 (-3.7, 3.6)	AB	8	
12/20/06 15:52	12200613.D	P2603406-005 (100ml)	TRC WDI-IBM-50-12-10-06 (-3.7, 3.6)	AB	9	
12/20/06 16:19	12200614.D	P2603406-006 (100ml)	TRC WDI-IBM-50-12-10-06 (-3.7, 3.6)	AB	10	
12/20/06 16:57	12200615.D	P2603412-026 (500ml)	[redacted]2.6, 3.5)	AB	16	
12/20/06 17:25	12200616.D	P2603406-001 (250ml)	TRC WDI-IBM-50-12-10-06 (-3.7, 3.6)	AB	7	
12/20/06 17:53	12200617.D	P2603406-004 (500ml)	TRC WDI-IBM-50-12-10-06 (~~-3.7, 3.6~~)	AB	8	
12/20/06 18:21	12200618.D	P2603406-005 (250ml)	TRC WDI-IBM-50-12-10-06 (~~-3.7, 3.6~~)	AB	9	
12/20/06 18:50	12200619.D	P2603406-006 (250ml)	TRC WDI-IBM-50-12-10-06 (~~-3.7, 3.6~~)	AB	10	
12/20/06 19:18	12200620.D	500pg TO-15/SIM CCV std	S15-12050609/S15-12050610	AB	2	PASSED; TRC CLOSING CCV

Columbia Analytical Services, Inc.
Sample Acceptance Check Form

Client: TRC Work order: P2603406

Project: WDI

Sample(s) received on: 12/12/06 Date opened: 12/12/06 by: MZ

Note: This form is used for all samples received by CAS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client or as required by the method/SOP.

		Yes	No	N/A
1	Were **sample containers** properly marked with client sample ID?	☒	☐	☐
2	Did **sample containers** arrive in good condition?	☒	☐	☐
3	Were **chain-of-custody** papers used and filled out?	☒	☐	☐
4	Did **sample container labels** and/or tags agree with custody papers?	☒	☐	☐
5	Was **sample volume** received adequate for analysis?	☒	☐	☐
6	Are samples within specified holding times?	☒	☐	☐
7	Was proper **temperature** (thermal preservation) of cooler at receipt adhered to?	☐	☐	☒
	Cooler Temperature NA °C			
	Blank Temperature NA °C			
8	Were **custody seals** on outside of cooler/Box?	☐	☒	☐
	Location of seal(s)? _____ Sealing Lid?	☐	☐	☒
	Were signature and date included?	☐	☐	☒
	Were seals intact?	☐	☐	☒
	Were custody seals on outside of sample container?	☐	☒	☐
	Location of seal(s)? _____ Sealing Lid?	☐	☐	☒
	Were signature and date included?	☐	☐	☒
	Were seals intact?	☐	☐	☒
9	Is pH (acid) **preservation** necessary, according to method/SOP or Client specified information?	☐	☐	☒
	Is there a client indication that the submitted samples are **pH** (acid) preserved?	☐	☐	☒
	Were **VOA vials** checked for presence/absence of air bubbles?	☐	☐	☒
	Does the client/method/SOP require that the analyst check the sample pH and if necessary alter it?	☐	☐	☒
10	**Tubes:** Are the tubes capped and intact?	☐	☐	☒
	Do they contain moisture?	☐	☐	☒
11	**Badges:** Are the badges properly capped and intact?	☐	☐	☒
	Are dual bed badges separated and individually capped and intact?	☐	☐	☒

Lab Sample ID	Required pH (as received, if required)	pH (as received, if required)	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P2603406-001			NA	
P2603406-002			NA	
P2603406-003			NA	
P2603406-004			NA	
P2603406-005			NA	
P2603406-006			NA	
P2603406-007			NA	
P2603406-008			NA	
P2603406-009			NA	
P2603406-010			NA	

Explain any discrepancies: (include lab sample ID numbers):

COAs listed on COC were not received.

Columbia Analytical Services, Inc.
Sample Acceptance Check Form

Client: TRC Work order: P2603406

Project: WDI

Sample(s) received on: 12/12/06 Date opened: 12/12/06 by: MZ

Lab Sample ID	Required pH (as received, if required)	pH (as received, if required)	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P2603406-011			NA	
P2603406-012			NA	

Air - Chain of Custody Record & Analytical Service Request

Columbia Analytical Services INC.
An Employee - Owned Company
2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

Requested Turnaround Time in Business Days (Surcharges) please circle
1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day - Standard

CAS Project No. P2603406

Company Name & Address (Reporting Information): TRC, 21 W. TECHNOLOGY DR., IRVINE, CA. 92618

Project Name: WDI

Project Number:

CAS Contact:

Project Manager: YASSER FAHMY

P.O. # / Billing Information:

Phone: (949) 727-9336 Fax: (949) 753-0111

Email Address for Result Reporting: YFAHMY@TRCSOLUTIONS.COM

Sampler (Print & Sign): STEVEN CRAWFORD Steven Crawford

Analysis Method and/or Analytes

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Sample Type (Air/Tube/Solid)	Canister ID (Bar Code # - AC, SC, etc.)	Flow Controller (Bar Code - FC #)	Sample Volume	TO-15	EPA 25C MODIFIED (TOTAL METHANE ORGANIC CARBON)	EPA 3C MODIFIED (METHANE)		Comments e.g. Actual Preservative or specific instructions
WDI-IBM-50-12-10-06	1 -7.5	12-10-06	1338	AIR	AC00589	FC00227	6L	X	X	X		
WDI-IBM-28-12-10-06	2 -6.5	12-10-06	1445	AIR	AC00926	FC00586	6L	X	X	X		
WDI-IBM-24-12-10-06	3 -5.5	12-10-06	1406	AIR	AC00594	FC00152	6L	X	X	X		
WDI-IBM-24B-12-10-06	4 -5.1	12-10-06	1354	AIR	AC00756	FC00005	6L	X	X	X		
WDI-IBM-03B-12-10-06	5 -5.2	12-10-06	1416	AIR	AC00404	FC00302	6L	X	X	X		
WDI-IBM-50-12-10-06-SC	6 -5.8	12-10-06	1338	AIR	AC01273	FC00410	6L	X	X	X		
WDI-VW-31-S-12-12-06	7 -5.1	12-12-06	1129	AIR	SC00037	6V-.5-047	6L	X	X	X		
WDI-VW-31-D-12-12-06	8 -7.4	12-12-06	1129	AIR	SC00203	6V-.5-085	6L	X	X	X		
WDI-VW-34-D-12-12-06	9 -7.6	12-12-06	1253	AIR	SC00592	6V-.5-080	6L	X	X	X		
WDI-VW-34-I-12-12-06	10 -7.6	12-12-06	1253	AIR	SC00041	6V-.5-033	6L	X	X	X		
WDI-VW-34-S-12-12-06	11 -7.0	12-12-06	1253	AIR	SC00263	6V-.5-087	6L	X	X	X		
WDI-VW-34-I-12-12-06-SC	12 -8.1	12-12-06	1253	AIR	SC00286	6V-.5-062	6L	X	X	X		

Report Tier Levels - please select
Tier I - (Results/Default if not specified) ____
Tier II - (Results + QC) ____
Tier III - (Data Validation Package) 10% Surcharge ✓
Tier V - (client specified) ____

EDD required (Yes) / No
Type: ____ EDD Units: ____

Project Requirements (MRLs, QAPP)

Relinquished by: (Signature)	Date: 12/12/06	Time: 1400	Received by: (Signature)	Date: 12/12/06	Time: 1400
Relinquished by: (Signature)	Date: 12/12/06	Time: 1535	Received by: (Signature) Ultramar	Date: 12/12/06	Time: 1535
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank 10749 10815
Temperature °C