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 P2603371

Dear Mr. Gill:

Your CAS report number P2603371 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:	12/07/06
	Irvine, CA 92618	CAS Project No:	P2603371
Contact:	Mr. Troy Gill	Purchase Order:	Verbal

Client Project ID: WDI

Eleven (11) Stainless Steel Summa Canisters labeled:

"WDI-VW-29-S-12-06-06"	"WDI-VW-29-I-12-06-06"	"WDI-VW-29-D-12-06-06"
"WDI-VW-46-S-12-06-06"	"WDI-VW-46-D-12-06-06"	"WDI-VW-46-D-12-06-06-SC"
"WDI-VW-46-I-12-06-06"	"WDI-IBM-41-12-06-06"	"WDI-IBM-32-12-06-06"
"WDI-IBM-49-12-06-06"	"WDI-IBM-21-12-06-06"	

The samples were received at the laboratory under chain of custody on December 07, 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:

for: Liliana Marghitoiu
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: P2603371
WDI

Dear Mr. Fahmy:

Enclosed are the results of the sample(s) submitted to our laboratory on December 7, 2006. For your reference, these analyses have been assigned our service request number P2603371.

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 155 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:	12/07/06
	Irvine, CA 92618	CAS Project No:	P2603371
Contact:	Mr. Yasser Fahmy	Purchase Order:	Verbal

Client Project ID: WDI

Eleven (11) Stainless Steel Summa Canisters labeled:

"WDI-VW-29-S-12-06-06"	"WDI-VW-29-I-12-06-06"	"WDI-VW-29-D-12-06-06"
"WDI-VW-46-S-12-06-06"	"WDI-VW-46-D-12-06-06"	"WDI-VW-46-D-12-06-06-SC"
"WDI-VW-46-I-12-06-06"	"WDI-IBM-41-12-06-06"	"WDI-IBM-32-12-06-06"
"WDI-IBM-49-12-06-06"	"WDI-IBM-21-12-06-06"	

The samples were received at the laboratory under chain of custody on December 07, 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:

Liliana Marghitoiu
Analytical Chemist
Air Quality Laboratory

Reviewed and Approved:

Wade Henton
GC-VOA Team Leader
Air Quality Laboratory

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Columbia Analytical Services INC.
An Employee - Owned Company

CAS Project No: P2603371

Volatile Organic Compound Analysis

The samples were also analyzed by combined gas chromatography/mass spectrometry (GC/MS) for volatile organic compounds. Four 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 systems used were comprised of an Agilent Model 5973inert GC/MS/DS and an Agilent Model 5973N GC/MS/DS each 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 samples identified as "WDI-IBM-41-12-06-06", "WDI-IBM-32-12-06-06" and "WDI-IBM-21-12-06-06" were diluted due to high levels of non-target compounds present in the samples for the SIM analyses.

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-VW-29-S-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-001

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00365

Date Collected: 12/6/06
Date Received: 12/7/06
Date Analyzed: 12/12/06
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.0 Pf 1 = 4.0
D.F. = 1.60

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**1.4**	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: MW Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-29-I-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-002

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00581

Date Collected: 12/6/06
Date Received: 12/7/06
Date Analyzed: 12/12/06
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.2 Pf 1 = 3.5
D.F. = 1.58

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	ND	0.79	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**2.0**	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: MS Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-29-D-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-003

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00225

Date Collected: 12/6/06
Date Received: 12/7/06
Date Analyzed: 12/12/06
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.2 Pf 1 = 3.5
D.F. = 1.58

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	ND	0.79	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**2.7**	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: MS Date: 12/22/06

03371SVG.RE1 -Sample (3)

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-46-S-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-004

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00842

Date Collected: 12/6/06
Date Received: 12/7/06
Date Analyzed: 12/12/06
Volume(s) Analyzed: 0.50 ml

Pi 1 = -1.7 Pf 1 = 3.5
D.F. = 1.40

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**1,600**	0.70	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	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: W Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-46-S-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-004DUP

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00842

Date Collected: 12/6/06
Date Received: 12/7/06
Date Analyzed: 12/12/06
Volume(s) Analyzed: 0.50 ml

Pi 1 = -1.7 Pf 1 = 3.5
D.F. = 1.40

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**1,600**	0.70	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	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: ___ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-46-D-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-005

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00759

Date Collected: 12/6/06
Date Received: 12/7/06
Date Analyzed: 12/12/06
Volume(s) Analyzed: 0.50 ml

Pi 1 = -1.9 Pf 1 = 3.5
D.F. = 1.42

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**0.90**	0.71	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**2.1**	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: pw Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-46-D-12-06-06-SC**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-006

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00713

Date Collected: 12/6/06
Date Received: 12/7/06
Date Analyzed: 12/12/06
Volume(s) Analyzed: 0.50 ml

Pi 1 = 0.9 Pf 1 = 3.6
D.F. = 1.17

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**1.1**	0.59	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**2.2**	1.2	

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: W Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-46-I-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-007

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00097

Date Collected: 12/6/06
Date Received: 12/7/06
Date Analyzed: 12/12/06
Volume(s) Analyzed: 0.50 ml

Pi 1 = -1.9 Pf 1 = 3.5
D.F. = 1.42

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**1.2**	0.71	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**2.1**	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: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-41-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-008

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

Date Collected: 12/6/06
Date Received: 12/7/06
Date Analyzed: 12/12/06
Volume(s) Analyzed: 0.50 ml

Pi 1 = -2.7 Pf 1 = 3.5
D.F. = 1.52

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**3.7**	0.76	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**6.3**	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: W Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-32-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-009

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

Date Collected: 12/6/06
Date Received: 12/7/06
Date Analyzed: 12/12/06
Volume(s) Analyzed: 0.50 ml

Pi 1 = -2.5 Pf 1 = 3.6
D.F. = 1.50

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	11	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: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-49-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-010

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

Date Collected: 12/6/06
Date Received: 12/7/06
Date Analyzed: 12/12/06
Volume(s) Analyzed: 0.50 ml

Pi 1 = -2.3 Pf 1 = 3.5
D.F. = 1.47

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**3.3**	0.74	
	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: W Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-21-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-011

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

Date Collected: 12/6/06
Date Received: 12/7/06
Date Analyzed: 12/12/06
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.6 Pf 1 = 3.6
D.F. = 1.65

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**3.0**	0.83	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**55**	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: W Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2603371
CAS Sample ID: P061212-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: 12/12/06
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: W Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2603371
CAS Sample ID: P061212-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: 12/12/06
Volume(s) Analyzed: NA

Compound	Spike Amount LCS ppmV	Result LCS ppmV	**% Recovery LCS**	Acceptance Limits	Data Qualifier
Methane	57.5	52.3	91	90-110	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	345	313	91	90-110	

Verified By: MV Date: 12/22/06

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

VB 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	124856778			

	Integration Parameter File	Sum?
Igt		
		☐
		☐
		☐

Area Correction Mass: 0.00

Correction Factor: 0.000

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Compound #4: TGHMO-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 Mass: 0.00

Correction Factor: 0.000

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Compound #5: TGMH0-2 (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 Sigma: 0.00

Correction Factor: 0.000

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PERFORMANCE ANALYTICAL INC.

ZW 12/12/06

EPA 25C TCA/FID Analysis for TGNMO

Client & PAI Job# : TRC P2603371
Analyst : WHH
Sample amount : 500uL / 68uL

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

Sample Results (ppm)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide	TGNMO-1	TGNMO-2	Pi1	Pf1	Pi2	Pf2
STD 120ppm S14-101106	104.1	81.2	100.3	117.0					
ACTUAL	100.4	80.7	99.7	120.0					
% DIFF.	3.7%	0.6%	0.6%	2.5%					
MB NL	0.00	0.00	0.00	0.00	0.00				
LAB AIR NL	1.17	1.94	485.01	0.00	0.00				
3371-001 v	0.42	0.87	v	0.38	0.00	-3.0	4.0		
3371-002 v	1.12	0.00	v	1.24	0.00	-3.2	3.5		
3371-003 v	0.72	0.00	v	1.71	0.00	-3.2	3.5		
3371-004 v	0.50	1161.74	v	0.96	0.00	-1.7	3.5		
3371-005 v	0.69	0.63	v	1.50	0.00	-1.9	3.5		
3371-006 v	0.78	0.95	v	1.87	0.00	0.9	3.6		
3371-007 v	0.51	0.84	v	1.50	0.00	-1.9	3.5		
3371-008 v	3.18	2.44	v	4.16	0.00	-2.7	3.5		
3371-009 v	17.29	7.16	v	0.00	0.00	-2.5	3.6		
3371-010 v	1.90	2.26	v	0.00	0.00	-2.3	3.5		
3371-011 v	0.75	1.81	v	33.55	0.00	-3.6	3.6		
3371-004 v dup	0.77	1159.13	v	0.92	0.00	-1.7	3.5		
LCS 57/345ppm	55.08	52.34	54.82	312.89					
ACTUAL	57.9	57.5	57.9	345.0					
% Recovery	95.1%	91.0%	94.7%	90.7%					
STD 120ppm S14-101106	107.58	82.43	117.76	122.53					
ACTUAL	100.4	80.7	99.7	120.0					
% DIFF.	7.2%	2.2%	18.1%	2.1%					

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	1.17	1.94	485.01	ND	ND	1.00	1.00	1.00
3371-001 v	ND	1.39	VENT	ND	ND	1.00	1.00	1.60
3371-002 v	ND	ND	VENT	1.96	0.33	1.00	1.00	1.58
3371-003 v	ND	ND	VENT	2.70	0.45	1.00	1.00	1.58
3371-004 v	ND	1626.43	VENT	ND	ND	1.00	1.00	1.40
3371-005 v	ND	0.90	VENT	2.13	0.36	1.00	1.00	1.42
3371-006 v	ND	1.11	VENT	2.19	0.37	1.00	1.00	1.17
3371-007 v	ND	1.19	VENT	2.13	0.35	1.00	1.00	1.42
3371-008 v	ND	3.70	VENT	6.30	1.05	1.00	1.00	1.52
3371-009 v	25.94	10.74	VENT	ND	ND	1.00	1.00	1.50
3371-010 v	ND	3.32	VENT	ND	ND	1.00	1.00	1.47
3371-011 v	ND	2.99	VENT	55.31	9.22	1.00	1.00	1.65
3371-004 v dup	ND	1622.78	VENT	ND	ND	1.00	1.00	1.40

Injection Log

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

Line	Vial	FileName	Multiplier		SampleName	Misc Info	Injected
1	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
10	1	10200610.d	1.		STD 25C high level small loop	S14-10200601	20 Oct 106 12::1
11	1	10200611.d	1.		STD 25C high level normal loop	S14-10200601	20 Oct 106 12::3
12	1	10200612.d	1.		ICV S14-03270602		20 Oct 106 12::5
13	1	10200613.d	1.		ICV S14-03270602	aprox 100/80ppm	20 Oct 106 12::2
14	1	10200614.d	1.	X	MB electrical noise		20 Oct 106 12::3
15	1	10200615.d	1.		MB good		20 Oct 106 12::0
16	1	10200616.d	1.		MB		20 Oct 106 12::2

WB 10/23/06

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

DATE: 12 / 12 / 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 / 2006-12/12 **METHOD FILE NAME : J:\GC1\METHODS** M102006 **.M**

	DATA FILE HEADER INFO	CLIENT	ANALYST
01	STD S14-10110605		MH
02	↓		
03	MB		
04	Lab Air		
05	LCS S14-0405060 2		
06	X		
07	3371-001 ✓		
08	002 ✓		
09	003 ✓		
10	004 ✓		
11	004Dup ✓		
12	005 ✓		
13	006 ✓		
14	007 ✓		
15	↓ 008 ✓		
16	STD S14-10110605		
17	3371-009 ✓		
18	010 ✓		
19	↓ 011 ✓		
20	3389-001 ✓		↓

	DATA FILE HEADER INFO	CLIENT	ANALYST
21	3389-001 ✓		MH
22	X		
23	3389-002 ✓		
24	003 ✓		
25	↓ 004 ✓		
26	STD S14-10110605		
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-VW-29-S-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-001

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00365

Date Collected: 12/6/06
Date Received: 12/7/06
Date Analyzed: 12/12/06
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.0 Pf 1 = 4.0
D.F. = 1.60

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 *	**18.4**	0.16	
7727-37-9	Nitrogen	**79.4**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**2.12**	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: MJ Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-29-I-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-002

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00581

Date Collected: 12/6/06
Date Received: 12/7/06
Date Analyzed: 12/12/06
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.2 Pf 1 = 3.5
D.F. = 1.58

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 *	**8.76**	0.16	
7727-37-9	Nitrogen	**84.2**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**7.05**	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: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-29-I-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-002DUP

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00581

Date Collected: 12/6/06
Date Received: 12/7/06
Date Analyzed: 12/12/06
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.2 Pf 1 = 3.5

D.F. = 1.58

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 *	**8.78**	0.16	
7727-37-9	Nitrogen	**84.2**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**7.01**	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: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-29-D-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-003

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00225

Date Collected: 12/6/06
Date Received: 12/7/06
Date Analyzed: 12/12/06
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.2 Pf 1 = 3.5

D.F. = 1.58

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 *	**7.00**	0.16	
7727-37-9	Nitrogen	**83.3**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**9.72**	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: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-46-S-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-004

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00842

Date Collected: 12/6/06
Date Received: 12/7/06
Date Analyzed: 12/12/06
Volume(s) Analyzed: 0.10 ml

Pi 1 = -1.7 Pf 1 = 3.5

D.F. = 1.40

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.14	
7782-44-7 7440-37-1	Oxygen + Argon *	**14.8**	0.14	
7727-37-9	Nitrogen	**83.8**	0.14	
630-08-0	Carbon Monoxide	ND	0.14	
124-38-9	Carbon Dioxide	**1.29**	0.14	

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: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-46-D-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-005

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00759

Date Collected: 12/6/06
Date Received: 12/7/06
Date Analyzed: 12/12/06
Volume(s) Analyzed: 0.10 ml

Pi 1 = -1.9 Pf 1 = 3.5

D.F. = 1.42

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.14	
7782-44-7 7440-37-1	Oxygen + Argon *	**9.62**	0.14	
7727-37-9	Nitrogen	**81.9**	0.14	
630-08-0	Carbon Monoxide	ND	0.14	
124-38-9	Carbon Dioxide	**8.48**	0.14	

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: MW Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-46-D-12-06-06-SC**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-006

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00713

Date Collected: 12/6/06
Date Received: 12/7/06
Date Analyzed: 12/12/06
Volume(s) Analyzed: 0.10 ml

Pi 1 = 0.9 Pf 1 = 3.6
D.F. = 1.17

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.12	
7782-44-7 7440-37-1	Oxygen + Argon *	**11.5**	0.12	
7727-37-9	Nitrogen	**81.4**	0.12	
630-08-0	Carbon Monoxide	ND	0.12	
124-38-9	Carbon Dioxide	**7.12**	0.12	

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: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-46-I-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-007

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00097

Date Collected: 12/6/06
Date Received: 12/7/06
Date Analyzed: 12/12/06
Volume(s) Analyzed: 0.10 ml

Pi 1 = -1.9 Pf 1 = 3.5
D.F. = 1.42

CAS #	**Compound**	**Result (%, v/v)**	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.14	
7782-44-7 7440-37-1	Oxygen + Argon *	**10.1**	0.14	
7727-37-9	Nitrogen	**82.1**	0.14	
630-08-0	Carbon Monoxide	ND	0.14	
124-38-9	Carbon Dioxide	**7.71**	0.14	

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: MW Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-IBM-41-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-008

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

Date Collected: 12/6/06
Date Received: 12/7/06
Date Analyzed: 12/12/06
Volume(s) Analyzed: 0.10 ml

Pi 1 = -2.7 Pf 1 = 3.5
D.F. = 1.52

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 *	**22.1**	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: MS Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-IBM-32-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-009

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

Date Collected: 12/6/06
Date Received: 12/7/06
Date Analyzed: 12/12/06
Volume(s) Analyzed: 0.10 ml

Pi 1 = -2.5 Pf 1 = 3.6
D.F. = 1.50

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 *	**22.1**	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: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-IBM-49-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-010

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

Date Collected: 12/6/06
Date Received: 12/7/06
Date Analyzed: 12/12/06
Volume(s) Analyzed: 0.10 ml

Pi 1 = -2.3 Pf 1 = 3.5

D.F. = 1.47

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 *	**22.1**	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: pd Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-IBM-21-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-011

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

Date Collected: 12/6/06
Date Received: 12/7/06
Date Analyzed: 12/12/06
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.6 Pf 1 = 3.6

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 *	**22.2**	0.17	
7727-37-9	Nitrogen	**77.7**	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: ___ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2603371
CAS Sample ID: P061212-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: 12/12/06
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: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2603371
CAS Sample ID: P061212-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: 12/12/06
Volume(s) Analyzed: NA

Compound	Spike Amount LCS ppmV	Result LCS ppmV	**% Recovery LCS**	Acceptance Limits	Data Qualifier
Oxygen + Argon *	219,000	230,000	**105**	90-110	
Nitrogen	780,000	818,000	**105**	90-110	

Verified By: pu Date: 12/22/06

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

W# 8/22/06

(#) = 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		
Q1		☐
Q2		☐
Q3		☐

Area Correction Mass: 0.00

Correction Factor: 0.000

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Compound #2: Oxygen (Page 3)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	43.017	572			
2	841.500	10038			
3	4950.000	63987			
4	51826.500	655569			
5	69100.000	1039947			

	Integration Parameter File	Sum?
Tgt		
ID		☐
ID		☐
ID		☐

Area Correction Mass: 0.00

Correction Factor: 0.000

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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		
01		☐
02		☐
03		☐

Area Correction Mass: 0.00

Correction Factor: 0.000

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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?
Tgt		
		☐
		☐
		☐

Area Correction %per 0.00

Correction Factor 0.000

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Compound #5: Methane (Page 3)

Lvl ID	Conc	Response	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		
		☐
		☐
		☐

Area Correction Mass: 0.00

Correction Factor: 0.000

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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		
[illegible]		☐
[illegible]		☐
[illegible]		☐

Area Correction Mass: 0.00

Correction Factor: 0.000

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ZW 12/12/06

COLUMBIA ANALYTICAL INC.

EPA 3C GC/TCD Analysis for Fixed Gases

Client & PAI Job# : TRC P2603371
Analyst : WHH
Sample amount : ~100uL

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

Sample Result

Sample ID	Hydrogen	O2/Ar	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	Pi1	Pf1	Pi2	Pf2
STD-50000ppm	37173	51597	50371	52449	42311	52897				
ACTUAL	40100	49970	50540	50050	40050	50360				
% DIFFER.	7.3%	3.3%	0.3%	4.8%	5.6%	5.0%				
MB	0	0	0	0	0	0				
LAB AIR	0	230102	817569	0	0	526				
3371-001	0	145256	625688	0	0	16674	-3.0	4.0		
3371-002	0	66250	636912	0	0	53328	-3.2	3.5		
3371-003	0	52666	626083	0	0	73088	-3.2	3.5		
3371-004	0	126979	719815	0	1340	11095	-1.7	3.5		
3371-005	0	81408	693033	0	0	71787	-1.9	3.5		
3371-006	0	120414	851162	0	0	74431	0.9	3.6		
3371-007	0	86017	696576	0	0	65350	-1.9	3.5		
3371-008	0	175775	618237	0	0	379	-2.7	3.5		
3371-009	0	176363	619653	0	0	361	-2.5	3.6		
3371-010	0	172070	604624	0	0	505	-2.3	3.5		
3371-011	0	152289	533521	0	0	435	-3.6	3.6		
3371-002 dup	0	66791	640775	0	0	53341	-3.2	3.5		
STD 50000ppm S14-09	38180	52643	51079	53278	43278	53975				
ACTUAL	40100	49970	50540	50050	40050	50360				
% DIFFER.	4.8%	5.3%	1.1%	6.4%	8.1%	7.2%				

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	230102	817569	0	0	526	104.8	1.00
3371-001	0	232161	1000031	0	0	26649	125.9	1.60
3371-002	0	104848	1007983	0	0	84397	119.7	1.58
3371-003	0	83350	990845	0	0	115670	119.0	1.58
3371-004	0	177771	1007740	0	1877	15532	120.3	1.40
3371-005	0	115753	985407	0	0	102072	120.3	1.42
3371-006	0	141255	998478	0	0	87313	122.7	1.17
3371-007	0	122306	990444	0	0	92919	120.6	1.42
3371-008	0	266592	937660	0	0	574	120.5	1.52
3371-009	0	264544	929479	0	0	542	119.5	1.50
3371-010	0	252555	887431	0	0	742	114.1	1.47
3371-011	0	251071	879589	0	0	718	113.1	1.65
3371-002 dup	0	105704	1014096	0	0	84417	120.4	1.58

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	37173	51597	50371	52449	42311	52897	
MB	ND	ND	ND	ND	ND	ND	
LAB AIR	ND	219500	779898	ND	ND	502	99.99
3371-001	ND	184406	794327	ND	ND	21167	99.99
3371-002	ND	87567	841847	ND	ND	70487	99.99
3371-003	ND	70043	832654	ND	ND	97203	99.99
3371-004	ND	147768	837661	ND	1560	12911	99.99
3371-005	ND	96192	818885	ND	ND	84823	99.99
3371-006	ND	115106	813644	ND	ND	71150	99.99
3371-007	ND	101432	821407	ND	ND	77061	99.99
3371-008	ND	221248	778175	ND	ND	477	99.99
3371-009	ND	221434	778012	ND	ND	453	99.99
3371-010	ND	221376	777874	ND	ND	650	99.99
3371-011	ND	221894	777372	ND	ND	634	99.99
3371-002 dup	ND	87769	842036	ND	ND	70095	99.99

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-~~06~~ 4 120602 (loop 18.0)		21 Aug 106 12::5
10	5	08210610.d	10.	lab air	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 / 12 / 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 12006-12/12 **METHOD FILE NAME: J:\GC1\METHODS** 3C082106 **.M**

	DATA FILE HEADER INFO	CLIENT	ANALYST
01	STD 50000ppm SLt-09010603		WH
02	MB		
03	Lab Air		
04	Lab Air		
05	3371-001		
06	002		
07	002 Dup		
08	003		
09	004		
10	005		
11	006		
12	007		
13	008		
14	STD 50000ppm SLt-09010603		
15	3371-009		
16	010		
17	011		
18	3389-001		
19	002		
20	003		
21	3389-004		WH
22	STD 50000ppm SLt-09010603		
23			
24			
25			
26			
27			
28			
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31			
32			
33			
34			
35			
36			
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40			

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-29-S-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-001

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: SC00365

Date Collected: 12/6/06
Date Received: 12/7/06
Date(s) Analyzed: 12/12/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.0 Pf 1 = 4.0

Can D.F. = 1.60

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	**14**	8.0	**6.0**	3.4	**M**
75-69-4	Trichlorofluoromethane	**1.7**	1.6	**0.30**	0.28	
75-35-4	1,1-Dichloroethene	ND	1.6	ND	0.40	
75-09-2	Methylene chloride	ND	1.6	ND	0.46	
76-13-1	Trichlorotrifluoroethane	**5.4**	1.6	**0.70**	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	0.40	
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)	**1.9**	1.6	**0.65**	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	0.40	
71-55-6	1,1,1-Trichloroethane	ND	1.6	ND	0.29	
71-43-2	Benzene	**2.6**	1.6	**0.81**	0.50	
56-23-5	Carbon Tetrachloride	ND	1.6	ND	0.25	
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: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-29-S-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-001

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: SC00365

Date Collected: 12/6/06
Date Received: 12/7/06
Date(s) Analyzed: 12/12/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.0 Pf 1 = 4.0

Can D.F. = 1.60

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	**5.9**	1.6	**1.6**	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	**2.1**	1.6	**0.31**	0.24	
108-90-7	Chlorobenzene	ND	1.6	ND	0.35	
100-41-4	Ethylbenzene	**1.9**	1.6	**0.45**	0.37	
179601-23-1	*m,p*-Xylenes	**5.9**	1.6	**1.4**	0.37	
75-25-2	Bromoform	ND	1.6	ND	0.15	
100-42-5	Styrene	ND	1.6	ND	0.38	
95-47-6	o-Xylene	**2.0**	1.6	**0.45**	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: MS Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-29-I-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-002

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: SC00581

Date Collected: 12/6/06
Date Received: 12/7/06
Date(s) Analyzed: 12/12/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.2 Pf 1 = 3.5

Can D.F. = 1.58

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	**4.3**	1.6	**2.1**	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	**10**	7.9	**4.3**	3.3	
75-69-4	Trichlorofluoromethane	**3.2**	1.6	**0.56**	0.28	
75-35-4	1,1-Dichloroethene	ND	1.6	ND	0.40	
75-09-2	Methylene chloride	ND	1.6	ND	0.45	
76-13-1	Trichlorotrifluoroethane	**37**	1.6	**4.8**	0.21	
75-15-0	Carbon Disulfide	**2.1**	1.6	**0.68**	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	**1.6**	1.6	**0.46**	0.45	**M**
78-93-3	2-Butanone (MEK)	ND	1.6	ND	0.54	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	ND	0.40	
67-66-3	Chloroform	**2.9**	1.6	**0.60**	0.32	
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	0.49	
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.
M = Matrix interference; results may be biased high.

Verified By: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-29-I-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-002

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: SC00581

Date Collected: 12/6/06
Date Received: 12/7/06
Date(s) Analyzed: 12/12/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.2 Pf 1 = 3.5

Can D.F. = 1.58

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	0.29	
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	**3.1**	1.6	**0.83**	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	**26**	1.6	**3.8**	0.23	
108-90-7	Chlorobenzene	ND	1.6	ND	0.34	
100-41-4	Ethylbenzene	ND	1.6	ND	0.36	
179601-23-1	*m,p*-Xylenes	**4.5**	1.6	**1.0**	0.36	
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	ND	1.6	ND	0.36	
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: MS Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-29-D-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-003

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: SC00225

Date Collected: 12/6/06
Date Received: 12/7/06
Date(s) Analyzed: 12/12/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.2 Pf 1 = 3.5

Can D.F. = 1.58

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	ND	7.9	ND	3.3	
75-69-4	Trichlorofluoromethane	**3.2**	1.6	**0.57**	0.28	
75-35-4	1,1-Dichloroethene	ND	1.6	ND	0.40	
75-09-2	Methylene chloride	ND	1.6	ND	0.45	
76-13-1	Trichlorotrifluoroethane	**62**	1.6	**8.2**	0.21	
75-15-0	Carbon Disulfide	**2.7**	1.6	**0.88**	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)	ND	1.6	ND	0.54	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	ND	0.40	
67-66-3	Chloroform	**7.4**	1.6	**1.5**	0.32	
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	**2.0**	1.6	**0.62**	0.49	
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: MS Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-29-D-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-003

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: SC00225

Date Collected: 12/6/06
Date Received: 12/7/06
Date(s) Analyzed: 12/12/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.2 Pf 1 = 3.5

Can D.F. = 1.58

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	**2.3**	1.6	**0.42**	0.29	
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	**4.7**	1.6	**1.3**	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	**57**	1.6	**8.4**	0.23	
108-90-7	Chlorobenzene	ND	1.6	ND	0.34	
100-41-4	Ethylbenzene	**2.1**	1.6	**0.49**	0.36	
179601-23-1	*m,p* -Xylenes	**6.0**	1.6	**1.4**	0.36	
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	**2.0**	1.6	**0.46**	0.36	
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: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-46-S-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-004

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: SC00842

Date Collected: 12/6/06
Date Received: 12/7/06
Date(s) Analyzed: 12/13/06
Volume(s) Analyzed: 1.00 Liter(s)
0.10 Liter(s)

Pi 1 = -1.7 Pf 1 = 3.5
Can D.F. = 1.40

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.4	ND	0.68	
75-01-4	Vinyl Chloride	ND	1.4	ND	0.55	
74-83-9	Bromomethane	ND	1.4	ND	0.36	
75-00-3	Chloroethane	ND	1.4	ND	0.53	
67-64-1	Acetone	**25**	7.0	**11**	2.9	**M**
75-69-4	Trichlorofluoromethane	**250**	1.4	**45**	0.25	
75-35-4	1,1-Dichloroethene	ND	1.4	ND	0.35	
75-09-2	Methylene chloride	ND	1.4	ND	0.40	
76-13-1	Trichlorotrifluoroethane	**3.5**	1.4	**0.46**	0.18	
75-15-0	Carbon Disulfide	ND	1.4	ND	0.45	
156-60-5	trans-1,2-Dichloroethene	ND	1.4	ND	0.35	
75-34-3	1,1-Dichloroethane	**4.2**	1.4	**1.0**	0.35	
1634-04-4	Methyl tert-Butyl Ether	ND	1.4	ND	0.39	
108-05-4	Vinyl Acetate	ND	1.4	ND	0.40	
78-93-3	2-Butanone (MEK)	**3.3**	1.4	**1.1**	0.47	
156-59-2	cis-1,2-Dichloroethene	ND	1.4	ND	0.35	
67-66-3	Chloroform	ND	1.4	ND	0.29	
107-06-2	1,2-Dichloroethane	ND	1.4	ND	0.35	
71-55-6	1,1,1-Trichloroethane	**27**	1.4	**4.9**	0.26	
71-43-2	Benzene	**3.0**	1.4	**0.94**	0.44	
56-23-5	Carbon Tetrachloride	ND	1.4	ND	0.22	
78-87-5	1,2-Dichloropropane	ND	1.4	ND	0.30	

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: M Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-46-S-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-004

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: SC00842

Date Collected: 12/6/06
Date Received: 12/7/06
Date(s) Analyzed: 12/13/06
Volume(s) Analyzed: 1.00 Liter(s)
0.10 Liter(s)

Pi 1 = -1.7 Pf 1 = 3.5

Can D.F. = 1.40

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.4	ND	0.21	
79-01-6	Trichloroethene	ND	1.4	ND	0.26	
10061-01-5	cis-1,3-Dichloropropene	ND	1.4	ND	0.31	
108-10-1	4-Methyl-2-pentanone	ND	1.4	ND	0.34	
10061-02-6	trans-1,3-Dichloropropene	ND	1.4	ND	0.31	
79-00-5	1,1,2-Trichloroethane	ND	1.4	ND	0.26	
108-88-3	Toluene	**8.4**	1.4	**2.2**	0.37	
591-78-6	2-Hexanone	ND	1.4	ND	0.34	
124-48-1	Dibromochloromethane	ND	1.4	ND	0.16	
106-93-4	1,2-Dibromoethane	ND	1.4	ND	0.18	
127-18-4	Tetrachloroethene	**4.1**	1.4	**0.60**	0.21	
108-90-7	Chlorobenzene	ND	1.4	ND	0.30	
100-41-4	Ethylbenzene	**1.7**	1.4	**0.40**	0.32	
179601-23-1	*m,p* -Xylenes	**6.2**	1.4	**1.4**	0.32	
75-25-2	Bromoform	ND	1.4	ND	0.14	
100-42-5	Styrene	ND	1.4	ND	0.33	
95-47-6	o-Xylene	**2.1**	1.4	**0.48**	0.32	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.4	ND	0.20	
541-73-1	1,3-Dichlorobenzene	ND	1.4	ND	0.23	
106-46-7	1,4-Dichlorobenzene	ND	1.4	ND	0.23	
95-50-1	1,2-Dichlorobenzene	ND	1.4	ND	0.23	

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: MD Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-46-D-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-005

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: SC00759

Date Collected: 12/6/06
Date Received: 12/7/06
Date(s) Analyzed: 12/13/06
Volume(s) Analyzed: 1.00 Liter(s)
0.010 Liter(s)

Pi 1 = -1.9 Pf 1 = 3.5
Can D.F. = 1.42

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.4	ND	0.69	
75-01-4	Vinyl Chloride	ND	1.4	ND	0.56	
74-83-9	Bromomethane	ND	1.4	ND	0.37	
75-00-3	Chloroethane	ND	1.4	ND	0.54	
67-64-1	Acetone	**27**	7.1	**11**	3.0	
75-69-4	Trichlorofluoromethane	**6,000**	1.4	**1,100**	0.25	
75-35-4	1,1-Dichloroethene	**41**	1.4	**10**	0.36	
75-09-2	Methylene chloride	**14**	1.4	**4.1**	0.41	
76-13-1	Trichlorotrifluoroethane	**120**	1.4	**16**	0.19	
75-15-0	Carbon Disulfide	ND	1.4	ND	0.46	
156-60-5	trans-1,2-Dichloroethene	ND	1.4	ND	0.36	
75-34-3	1,1-Dichloroethane	ND	1.4	ND	0.35	
1634-04-4	Methyl tert-Butyl Ether	ND	1.4	ND	0.39	
108-05-4	Vinyl Acetate	ND	1.4	ND	0.40	
78-93-3	2-Butanone (MEK)	**1.7**	1.4	**0.59**	0.48	
156-59-2	cis-1,2-Dichloroethene	ND	1.4	ND	0.36	
67-66-3	Chloroform	**2.2**	1.4	**0.44**	0.29	
107-06-2	1,2-Dichloroethane	ND	1.4	ND	0.35	
71-55-6	1,1,1-Trichloroethane	**80**	1.4	**15**	0.26	
71-43-2	Benzene	**2.0**	1.4	**0.64**	0.44	
56-23-5	Carbon Tetrachloride	**1.8**	1.4	**0.28**	0.23	
78-87-5	1,2-Dichloropropane	ND	1.4	ND	0.31	

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: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-46-D-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-005

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: SC00759

Date Collected: 12/6/06
Date Received: 12/7/06
Date(s) Analyzed: 12/13/06
Volume(s) Analyzed: 1.00 Liter(s)
0.010 Liter(s)

Pi 1 = -1.9 Pf 1 = 3.5

Can D.F. = 1.42

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.4	ND	0.21	
79-01-6	Trichloroethene	**17**	1.4	**3.1**	0.26	
10061-01-5	cis-1,3-Dichloropropene	ND	1.4	ND	0.31	
108-10-1	4-Methyl-2-pentanone	ND	1.4	ND	0.35	
10061-02-6	trans-1,3-Dichloropropene	ND	1.4	ND	0.31	
79-00-5	1,1,2-Trichloroethane	ND	1.4	ND	0.26	
108-88-3	Toluene	**9.1**	1.4	**2.4**	0.38	
591-78-6	2-Hexanone	ND	1.4	ND	0.35	
124-48-1	Dibromochloromethane	ND	1.4	ND	0.17	
106-93-4	1,2-Dibromoethane	ND	1.4	ND	0.18	
127-18-4	Tetrachloroethene	**110**	1.4	**16**	0.21	
108-90-7	Chlorobenzene	ND	1.4	ND	0.31	
100-41-4	Ethylbenzene	**1.7**	1.4	**0.40**	0.33	
179601-23-1	*m,p* -Xylenes	**5.7**	1.4	**1.3**	0.33	
75-25-2	Bromoform	ND	1.4	ND	0.14	
100-42-5	Styrene	ND	1.4	ND	0.33	
95-47-6	o-Xylene	**1.7**	1.4	**0.40**	0.33	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.4	ND	0.21	
541-73-1	1,3-Dichlorobenzene	ND	1.4	ND	0.24	
106-46-7	1,4-Dichlorobenzene	ND	1.4	ND	0.24	
95-50-1	1,2-Dichlorobenzene	ND	1.4	ND	0.24	

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: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-46-D-12-06-06-SC**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-006

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: SC00713

Date Collected: 12/6/06
Date Received: 12/7/06
Date(s) Analyzed: 12/13/06
Volume(s) Analyzed: 0.025 Liter(s)
0.010 Liter(s)

Pi 1 = 0.9 Pf 1 = 3.6

Can D.F. = 1.17

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	47	ND	23	
75-01-4	Vinyl Chloride	ND	47	ND	18	
74-83-9	Bromomethane	ND	47	ND	12	
75-00-3	Chloroethane	ND	47	ND	18	
67-64-1	Acetone	ND	230	ND	99	
75-69-4	Trichlorofluoromethane	**3,600**	47	**640**	8.3	
75-35-4	1,1-Dichloroethene	ND	47	ND	12	
75-09-2	Methylene chloride	ND	47	ND	13	
76-13-1	Trichlorotrifluoroethane	ND	47	ND	6.1	
75-15-0	Carbon Disulfide	ND	47	ND	15	
156-60-5	trans-1,2-Dichloroethene	ND	47	ND	12	
75-34-3	1,1-Dichloroethane	ND	47	ND	12	
1634-04-4	Methyl tert-Butyl Ether	ND	47	ND	13	
108-05-4	Vinyl Acetate	ND	47	ND	13	
78-93-3	2-Butanone (MEK)	ND	47	ND	16	
156-59-2	cis-1,2-Dichloroethene	ND	47	ND	12	
67-66-3	Chloroform	ND	47	ND	9.6	
107-06-2	1,2-Dichloroethane	ND	47	ND	12	
71-55-6	1,1,1-Trichloroethane	ND	47	ND	8.6	
71-43-2	Benzene	ND	47	ND	15	
56-23-5	Carbon Tetrachloride	ND	47	ND	7.4	
78-87-5	1,2-Dichloropropane	ND	47	ND	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.

Verified By: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-46-D-12-06-06-SC**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-006

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: SC00713

Date Collected: 12/6/06
Date Received: 12/7/06
Date(s) Analyzed: 12/13/06
Volume(s) Analyzed: 0.025 Liter(s)
0.010 Liter(s)

Pi 1 = 0.9 Pf 1 = 3.6

Can D.F. = 1.17

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	47	ND	7.0	
79-01-6	Trichloroethene	ND	47	ND	8.7	
10061-01-5	cis-1,3-Dichloropropene	ND	47	ND	10	
108-10-1	4-Methyl-2-pentanone	ND	47	ND	11	
10061-02-6	trans-1,3-Dichloropropene	ND	47	ND	10	
79-00-5	1,1,2-Trichloroethane	ND	47	ND	8.6	
108-88-3	Toluene	ND	47	ND	12	
591-78-6	2-Hexanone	ND	47	ND	11	
124-48-1	Dibromochloromethane	ND	47	ND	5.5	
106-93-4	1,2-Dibromoethane	ND	47	ND	6.1	
127-18-4	Tetrachloroethene	**99**	47	**15**	6.9	
108-90-7	Chlorobenzene	ND	47	ND	10	
100-41-4	Ethylbenzene	ND	47	ND	11	
179601-23-1	*m,p*-Xylenes	ND	47	ND	11	
75-25-2	Bromoform	ND	47	ND	4.5	
100-42-5	Styrene	ND	47	ND	11	
95-47-6	o-Xylene	ND	47	ND	11	
79-34-5	1,1,2,2-Tetrachloroethane	ND	47	ND	6.8	
541-73-1	1,3-Dichlorobenzene	ND	47	ND	7.8	
106-46-7	1,4-Dichlorobenzene	ND	47	ND	7.8	
95-50-1	1,2-Dichlorobenzene	ND	47	ND	7.8	

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: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-46-I-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-007

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: SC00097

Date Collected: 12/6/06
Date Received: 12/7/06
Date(s) Analyzed: 12/13/06
Volume(s) Analyzed: 0.020 Liter(s)

Pi 1 = -1.9 Pf 1 = 3.5

Can D.F. = 1.42

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	71	ND	34	
75-01-4	Vinyl Chloride	ND	71	ND	28	
74-83-9	Bromomethane	ND	71	ND	18	
75-00-3	Chloroethane	ND	71	ND	27	
67-64-1	Acetone	ND	360	ND	150	
75-69-4	Trichlorofluoromethane	**5,800**	71	**1,000**	13	
75-35-4	1,1-Dichloroethene	ND	71	ND	18	
75-09-2	Methylene chloride	ND	71	ND	20	
76-13-1	Trichlorotrifluoroethane	ND	71	ND	9.3	
75-15-0	Carbon Disulfide	ND	71	ND	23	
156-60-5	trans-1,2-Dichloroethene	ND	71	ND	18	
75-34-3	1,1-Dichloroethane	ND	71	ND	18	
1634-04-4	Methyl tert-Butyl Ether	ND	71	ND	20	
108-05-4	Vinyl Acetate	ND	71	ND	20	
78-93-3	2-Butanone (MEK)	ND	71	ND	24	
156-59-2	cis-1,2-Dichloroethene	ND	71	ND	18	
67-66-3	Chloroform	ND	71	ND	15	
107-06-2	1,2-Dichloroethane	ND	71	ND	18	
71-55-6	1,1,1-Trichloroethane	ND	71	ND	13	
71-43-2	Benzene	ND	71	ND	22	
56-23-5	Carbon Tetrachloride	ND	71	ND	11	
78-87-5	1,2-Dichloropropane	ND	71	ND	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.

Verified By: MS Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-46-I-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-007

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: SC00097

Date Collected: 12/6/06
Date Received: 12/7/06
Date(s) Analyzed: 12/13/06
Volume(s) Analyzed: 0.020 Liter(s)

Pi 1 = -1.9 Pf 1 = 3.5

Can D.F. = 1.42

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	71	ND	11	
79-01-6	Trichloroethene	ND	71	ND	13	
10061-01-5	cis-1,3-Dichloropropene	ND	71	ND	16	
108-10-1	4-Methyl-2-pentanone	ND	71	ND	17	
10061-02-6	trans-1,3-Dichloropropene	ND	71	ND	16	
79-00-5	1,1,2-Trichloroethane	ND	71	ND	13	
108-88-3	Toluene	ND	71	ND	19	
591-78-6	2-Hexanone	ND	71	ND	17	
124-48-1	Dibromochloromethane	ND	71	ND	8.3	
106-93-4	1,2-Dibromoethane	ND	71	ND	9.2	
127-18-4	Tetrachloroethene	**79**	71	**12**	10	
108-90-7	Chlorobenzene	ND	71	ND	15	
100-41-4	Ethylbenzene	ND	71	ND	16	
179601-23-1	*m,p*-Xylenes	ND	71	ND	16	
75-25-2	Bromoform	ND	71	ND	6.9	
100-42-5	Styrene	ND	71	ND	17	
95-47-6	o-Xylene	ND	71	ND	16	
79-34-5	1,1,2,2-Tetrachloroethane	ND	71	ND	10	
541-73-1	1,3-Dichlorobenzene	ND	71	ND	12	
106-46-7	1,4-Dichlorobenzene	ND	71	ND	12	
95-50-1	1,2-Dichlorobenzene	ND	71	ND	12	

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: MU Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-46-I-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-007DUP

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: SC00097

Date Collected: 12/6/06
Date Received: 12/7/06
Date(s) Analyzed: 12/13/06
Volume(s) Analyzed: 0.020 Liter(s)

Pi 1 = -1.9 Pf 1 = 3.5

Can D.F. = 1.42

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	71	ND	34	
75-01-4	Vinyl Chloride	ND	71	ND	28	
74-83-9	Bromomethane	ND	71	ND	18	
75-00-3	Chloroethane	ND	71	ND	27	
67-64-1	Acetone	ND	360	ND	150	
75-69-4	Trichlorofluoromethane	**5,800**	71	**1,000**	13	
75-35-4	1,1-Dichloroethene	ND	71	ND	18	
75-09-2	Methylene chloride	ND	71	ND	20	
76-13-1	Trichlorotrifluoroethane	ND	71	ND	9.3	
75-15-0	Carbon Disulfide	ND	71	ND	23	
156-60-5	trans-1,2-Dichloroethene	ND	71	ND	18	
75-34-3	1,1-Dichloroethane	ND	71	ND	18	
1634-04-4	Methyl tert-Butyl Ether	ND	71	ND	20	
108-05-4	Vinyl Acetate	ND	71	ND	20	
78-93-3	2-Butanone (MEK)	ND	71	ND	24	
156-59-2	cis-1,2-Dichloroethene	ND	71	ND	18	
67-66-3	Chloroform	ND	71	ND	15	
107-06-2	1,2-Dichloroethane	ND	71	ND	18	
71-55-6	1,1,1-Trichloroethane	ND	71	ND	13	
71-43-2	Benzene	ND	71	ND	22	
56-23-5	Carbon Tetrachloride	ND	71	ND	11	
78-87-5	1,2-Dichloropropane	ND	71	ND	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.

Verified By: MW Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-46-I-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-007DUP

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: SC00097

Date Collected: 12/6/06
Date Received: 12/7/06
Date(s) Analyzed: 12/13/06
Volume(s) Analyzed: 0.020 Liter(s)

Pi 1 = -1.9 Pf 1 = 3.5

Can D.F. = 1.42

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	71	ND	11	
79-01-6	Trichloroethene	ND	71	ND	13	
10061-01-5	cis-1,3-Dichloropropene	ND	71	ND	16	
108-10-1	4-Methyl-2-pentanone	ND	71	ND	17	
10061-02-6	trans-1,3-Dichloropropene	ND	71	ND	16	
79-00-5	1,1,2-Trichloroethane	ND	71	ND	13	
108-88-3	Toluene	ND	71	ND	19	
591-78-6	2-Hexanone	ND	71	ND	17	
124-48-1	Dibromochloromethane	ND	71	ND	8.3	
106-93-4	1,2-Dibromoethane	ND	71	ND	9.2	
127-18-4	Tetrachloroethene	**78**	71	**12**	10	
108-90-7	Chlorobenzene	ND	71	ND	15	
100-41-4	Ethylbenzene	ND	71	ND	16	
179601-23-1	*m,p*-Xylenes	ND	71	ND	16	
75-25-2	Bromoform	ND	71	ND	6.9	
100-42-5	Styrene	ND	71	ND	17	
95-47-6	o-Xylene	ND	71	ND	16	
79-34-5	1,1,2,2-Tetrachloroethane	ND	71	ND	10	
541-73-1	1,3-Dichlorobenzene	ND	71	ND	12	
106-46-7	1,4-Dichlorobenzene	ND	71	ND	12	
95-50-1	1,2-Dichlorobenzene	ND	71	ND	12	

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: µ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-41-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-008

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: AC00937

Date Collected: 12/6/06
Date Received: 12/7/06
Date(s) Analyzed: 12/13/06
Volume(s) Analyzed: 0.10 Liter(s)
0.0050 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	15	ND	7.4	
75-01-4	Vinyl Chloride	ND	15	ND	5.9	
74-83-9	Bromomethane	ND	15	ND	3.9	
75-00-3	Chloroethane	ND	15	ND	5.8	
67-64-1	Acetone	**4,800**	76	**2,000**	32	
75-69-4	Trichlorofluoromethane	ND	15	ND	2.7	
75-35-4	1,1-Dichloroethene	ND	15	ND	3.8	
75-09-2	Methylene chloride	**200**	15	**56**	4.4	
76-13-1	Trichlorotrifluoroethane	ND	15	ND	2.0	
75-15-0	Carbon Disulfide	ND	15	ND	4.9	
156-60-5	trans-1,2-Dichloroethene	ND	15	ND	3.8	
75-34-3	1,1-Dichloroethane	ND	15	ND	3.8	
1634-04-4	Methyl tert-Butyl Ether	ND	15	ND	4.2	
108-05-4	Vinyl Acetate	ND	15	ND	4.3	
78-93-3	2-Butanone (MEK)	**20**	15	**6.8**	5.2	
156-59-2	cis-1,2-Dichloroethene	ND	15	ND	3.8	
67-66-3	Chloroform	ND	15	ND	3.1	
107-06-2	1,2-Dichloroethane	ND	15	ND	3.8	
71-55-6	1,1,1-Trichloroethane	ND	15	ND	2.8	
71-43-2	Benzene	ND	15	ND	4.8	
56-23-5	Carbon Tetrachloride	ND	15	ND	2.4	
78-87-5	1,2-Dichloropropane	ND	15	ND	3.3	

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: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-41-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-008

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: AC00937

Date Collected: 12/6/06
Date Received: 12/7/06
Date(s) Analyzed: 12/13/06
Volume(s) Analyzed: 0.10 Liter(s)
0.0050 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	15	ND	2.3	
79-01-6	Trichloroethene	ND	15	ND	2.8	
10061-01-5	cis-1,3-Dichloropropene	ND	15	ND	3.3	
108-10-1	4-Methyl-2-pentanone	ND	15	ND	3.7	
10061-02-6	trans-1,3-Dichloropropene	ND	15	ND	3.3	
79-00-5	1,1,2-Trichloroethane	ND	15	ND	2.8	
108-88-3	Toluene	**87**	15	**23**	4.0	
591-78-6	2-Hexanone	ND	15	ND	3.7	
124-48-1	Dibromochloromethane	ND	15	ND	1.8	
106-93-4	1,2-Dibromoethane	ND	15	ND	2.0	
127-18-4	Tetrachloroethene	**34**	15	**5.1**	2.2	
108-90-7	Chlorobenzene	ND	15	ND	3.3	
100-41-4	Ethylbenzene	**15**	15	**3.5**	3.5	
179601-23-1	*m,p*-Xylenes	**73**	15	**17**	3.5	
75-25-2	Bromoform	ND	15	ND	1.5	
100-42-5	Styrene	ND	15	ND	3.6	
95-47-6	o-Xylene	**22**	15	**5.2**	3.5	
79-34-5	1,1,2,2-Tetrachloroethane	ND	15	ND	2.2	
541-73-1	1,3-Dichlorobenzene	ND	15	ND	2.5	
106-46-7	1,4-Dichlorobenzene	**47**	15	**7.8**	2.5	
95-50-1	1,2-Dichlorobenzene	ND	15	ND	2.5	

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: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-32-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-009

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: AC01214

Date Collected: 12/6/06
Date Received: 12/7/06
Date(s) Analyzed: 12/13/06 & 12/18/06
Volume(s) Analyzed: 1.00 Liter(s)
0.10 Liter(s)

Pi 1 = -2.5 Pf 1 = 3.6

Can D.F. = 1.50

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.5	ND	0.73	
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	0.57	
67-64-1	Acetone	**170**	7.5	**70**	3.2	**M**
75-69-4	Trichlorofluoromethane	**5.6**	1.5	**0.99**	0.27	
75-35-4	1,1-Dichloroethene	ND	1.5	ND	0.38	
75-09-2	Methylene chloride	**11**	1.5	**3.2**	0.43	
76-13-1	Trichlorotrifluoroethane	ND	1.5	ND	0.20	
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	**2.4**	1.5	**0.66**	0.42	
108-05-4	Vinyl Acetate	ND	1.5	ND	0.43	
78-93-3	2-Butanone (MEK)	**19**	1.5	**6.3**	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	0.28	
71-43-2	Benzene	**6.2**	1.5	**1.9**	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: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-32-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-009

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: AC01214

Date Collected: 12/6/06
Date Received: 12/7/06
Date(s) Analyzed: 12/13/06 & 12/18/06
Volume(s) Analyzed: 1.00 Liter(s)
0.10 Liter(s)

Pi 1 = -2.5 Pf 1 = 3.6

Can D.F. = 1.50

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	0.37	
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	**40**	1.5	**11**	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	**6.0**	1.5	**0.88**	0.22	
108-90-7	Chlorobenzene	ND	1.5	ND	0.33	
100-41-4	Ethylbenzene	**5.4**	1.5	**1.2**	0.35	
179601-23-1	*m,p*-Xylenes	**24**	1.5	**5.5**	0.35	
75-25-2	Bromoform	ND	1.5	ND	0.15	
100-42-5	Styrene	ND	1.5	ND	0.35	
95-47-6	o-Xylene	**8.2**	1.5	**1.9**	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	**2.2**	1.5	**0.36**	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: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-49-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-010

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: AC01101

Date Collected: 12/6/06
Date Received: 12/7/06
Date(s) Analyzed: 12/14/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.3 Pf 1 = 3.5

Can D.F. = 1.47

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.5	ND	0.71	
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	**44**	7.4	**18**	3.1	**M**
75-69-4	Trichlorofluoromethane	**1.6**	1.5	**0.28**	0.26	
75-35-4	1,1-Dichloroethene	ND	1.5	ND	0.37	
75-09-2	Methylene chloride	**3.5**	1.5	**1.0**	0.42	
76-13-1	Trichlorotrifluoroethane	ND	1.5	ND	0.19	
75-15-0	Carbon Disulfide	ND	1.5	ND	0.47	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	ND	0.37	
75-34-3	1,1-Dichloroethane	ND	1.5	ND	0.36	
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)	**5.9**	1.5	**2.0**	0.50	
156-59-2	cis-1,2-Dichloroethene	ND	1.5	ND	0.37	
67-66-3	Chloroform	ND	1.5	ND	0.30	
107-06-2	1,2-Dichloroethane	ND	1.5	ND	0.36	
71-55-6	1,1,1-Trichloroethane	ND	1.5	ND	0.27	
71-43-2	Benzene	**4.8**	1.5	**1.5**	0.46	
56-23-5	Carbon Tetrachloride	ND	1.5	ND	0.23	
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: MW Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-49-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-010

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: AC01101

Date Collected: 12/6/06
Date Received: 12/7/06
Date(s) Analyzed: 12/14/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.3 Pf 1 = 3.5

Can D.F. = 1.47

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	0.27	
10061-01-5	cis-1,3-Dichloropropene	ND	1.5	ND	0.32	
108-10-1	4-Methyl-2-pentanone	ND	1.5	ND	0.36	
10061-02-6	trans-1,3-Dichloropropene	ND	1.5	ND	0.32	
79-00-5	1,1,2-Trichloroethane	ND	1.5	ND	0.27	
108-88-3	Toluene	**19**	1.5	**5.0**	0.39	
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	**3.0**	1.5	**0.70**	0.34	
179601-23-1	*m,p* -Xylenes	**13**	1.5	**3.1**	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	**4.5**	1.5	**1.0**	0.34	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.5	ND	0.21	
541-73-1	1,3-Dichlorobenzene	ND	1.5	ND	0.24	
106-46-7	1,4-Dichlorobenzene	ND	1.5	ND	0.24	
95-50-1	1,2-Dichlorobenzene	ND	1.5	ND	0.24	

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: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-49-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-010DUP

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: AC01101

Date Collected: 12/6/06
Date Received: 12/7/06
Date(s) Analyzed: 12/14/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.3 Pf 1 = 3.5

Can D.F. = 1.47

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.5	ND	0.71	
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	**45**	7.4	**19**	3.1	**M**
75-69-4	Trichlorofluoromethane	**1.6**	1.5	**0.29**	0.26	
75-35-4	1,1-Dichloroethene	ND	1.5	ND	0.37	
75-09-2	Methylene chloride	**3.5**	1.5	**1.0**	0.42	
76-13-1	Trichlorotrifluoroethane	ND	1.5	ND	0.19	
75-15-0	Carbon Disulfide	ND	1.5	ND	0.47	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	ND	0.37	
75-34-3	1,1-Dichloroethane	ND	1.5	ND	0.36	
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)	**6.1**	1.5	**2.1**	0.50	
156-59-2	cis-1,2-Dichloroethene	ND	1.5	ND	0.37	
67-66-3	Chloroform	ND	1.5	ND	0.30	
107-06-2	1,2-Dichloroethane	ND	1.5	ND	0.36	
71-55-6	1,1,1-Trichloroethane	ND	1.5	ND	0.27	
71-43-2	Benzene	**5.0**	1.5	**1.6**	0.46	
56-23-5	Carbon Tetrachloride	ND	1.5	ND	0.23	
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: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-49-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-010DUP

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: AC01101

Date Collected: 12/6/06
Date Received: 12/7/06
Date(s) Analyzed: 12/14/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.3 Pf 1 = 3.5

Can D.F. = 1.47

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	0.27	
10061-01-5	cis-1,3-Dichloropropene	ND	1.5	ND	0.32	
108-10-1	4-Methyl-2-pentanone	ND	1.5	ND	0.36	
10061-02-6	trans-1,3-Dichloropropene	ND	1.5	ND	0.32	
79-00-5	1,1,2-Trichloroethane	ND	1.5	ND	0.27	
108-88-3	Toluene	**20**	1.5	**5.2**	0.39	
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	**1.5**	1.5	**0.22**	0.22	
108-90-7	Chlorobenzene	ND	1.5	ND	0.32	
100-41-4	Ethylbenzene	**3.2**	1.5	**0.73**	0.34	
179601-23-1	*m,p* -Xylenes	**14**	1.5	**3.2**	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	**4.6**	1.5	**1.1**	0.34	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.5	ND	0.21	
541-73-1	1,3-Dichlorobenzene	ND	1.5	ND	0.24	
106-46-7	1,4-Dichlorobenzene	ND	1.5	ND	0.24	
95-50-1	1,2-Dichlorobenzene	ND	1.5	ND	0.24	

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: MY Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-21-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-011

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: AC01106

Date Collected: 12/6/06
Date Received: 12/7/06
Date(s) Analyzed: 12/14/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.6 Pf 1 = 3.6

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	**120**	8.3	**53**	3.5	
75-69-4	Trichlorofluoromethane	**3.3**	1.7	**0.58**	0.29	
75-35-4	1,1-Dichloroethene	ND	1.7	ND	0.42	
75-09-2	Methylene chloride	**26**	1.7	**7.4**	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	**4.5**	1.7	**1.3**	0.46	
108-05-4	Vinyl Acetate	ND	1.7	ND	0.47	
78-93-3	2-Butanone (MEK)	**46**	1.7	**16**	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	**5.4**	1.7	**1.7**	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: LW Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-21-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-011

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: AC01106

Date Collected: 12/6/06
Date Received: 12/7/06
Date(s) Analyzed: 12/14/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.6 Pf 1 = 3.6

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	ND	1.7	ND	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	**31**	1.7	**8.2**	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	**2.1**	1.7	**0.32**	0.24	
108-90-7	Chlorobenzene	ND	1.7	ND	0.36	
100-41-4	Ethylbenzene	**4.3**	1.7	**0.99**	0.38	
179601-23-1	*m,p*-Xylenes	**19**	1.7	**4.4**	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	**6.1**	1.7	**1.4**	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: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2603371
CAS Sample ID: P061212-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: 12/12/06
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: HL Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2603371
CAS Sample ID: P061212-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: 12/12/06
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: MS 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: P2603371
CAS Sample ID: P061213-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: 12/13/06
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: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2603371
CAS Sample ID: P061213-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: 12/13/06
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: MW Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2603371
CAS Sample ID: P061214-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: 12/14/06
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: MW Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2603371
CAS Sample ID: P061214-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: 12/14/06
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: MW Date: 12/20/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2603371
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: MS Date: 12/20/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2603371
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: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Project ID: WDI

CAS Project ID: P2603371

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: 12/6/06
Date Received: 12/7/06
Date Analyzed: 12/12 - 12/18/06

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	P061212-MB	**95**	80-120	**98**	80-120	**103**	80-120	
Method Blank	P061213-MB	**97**	80-120	**99**	80-120	**102**	80-120	
Method Blank	P061214-MB	**97**	80-120	**98**	80-120	**102**	80-120	
Method Blank	P061218-MB	**91**	80-120	**101**	80-120	**108**	80-120	
Lab Control Sample	P061212-LCS	**99**	80-120	**98**	80-120	**102**	80-120	
Lab Control Sample	P061213-LCS	**101**	80-120	**97**	80-120	**102**	80-120	
Lab Control Sample	P061214-LCS	**100**	80-120	**98**	80-120	**100**	80-120	
Lab Control Sample	P061218-LCS	**91**	80-120	**99**	80-120	**107**	80-120	
Duplicate Lab Control Sample	P061212-DLCS	**98**	80-120	**97**	80-120	**102**	80-120	
Duplicate Lab Control Sample	P061213-DLCS	**99**	80-120	**97**	80-120	**103**	80-120	
Duplicate Lab Control Sample	P061214-DLCS	**99**	80-120	**95**	80-120	**102**	80-120	
Duplicate Lab Control Sample	P061218-DLCS	**91**	80-120	**100**	80-120	**108**	80-120	
WDI-VW-29-S-12-06-06	P2603371-001	**93**	80-120	**100**	80-120	**102**	80-120	
WDI-VW-29-I-12-06-06	P2603371-002	**96**	80-120	**95**	80-120	**103**	80-120	
WDI-VW-29-D-12-06-06	P2603371-003	**93**	80-120	**100**	80-120	**102**	80-120	
WDI-VW-46-S-12-06-06	P2603371-004	**96**	80-120	**97**	80-120	**102**	80-120	
WDI-VW-46-D-12-06-06	P2603371-005	**97**	80-120	**98**	80-120	**102**	80-120	
WDI-VW-46-D-12-06-06-SC	P2603371-006	**109**	80-120	**98**	80-120	**103**	80-120	
WDI-VW-46-I-12-06-06	P2603371-007	**107**	80-120	**98**	80-120	**102**	80-120	
WDI-VW-46-I-12-06-06	P2603371-007DUP	**108**	80-120	**98**	80-120	**101**	80-120	
WDI-IBM-41-12-06-06	P2603371-008	**107**	80-120	**97**	80-120	**103**	80-120	
WDI-IBM-32-12-06-06	P2603371-009	**99**	80-120	**98**	80-120	**101**	80-120	
WDI-IBM-49-12-06-06	P2603371-010	**91**	80-120	**99**	80-120	**107**	80-120	
WDI-IBM-49-12-06-06	P2603371-010DUP	**90**	80-120	**99**	80-120	**106**	80-120	
WDI-IBM-21-12-06-06	P2603371-011	**88**	80-120	**100**	80-120	**108**	80-120	

Verified By: MV Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2603371
CAS Sample ID: P061212-LCS, P061212-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: 12/12/06
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	23.4	22.8	**96**	**94**	65-135	**2**	35	
Vinyl Chloride	24.8	20.2	21.1	**81**	**85**	65-135	**5**	35	
Bromomethane	25.0	23.1	22.6	**92**	**90**	65-135	**2**	35	
Chloroethane	25.0	23.1	22.7	**92**	**91**	65-135	**1**	35	
Acetone	26.5	24.1	23.9	**91**	**90**	65-135	**1**	35	
Trichlorofluoromethane	24.3	23.1	22.7	**95**	**93**	65-135	**2**	35	
1,1-Dichloroethene	27.3	25.7	25.8	**94**	**95**	65-135	**1**	35	
Methylene chloride	26.8	24.7	24.6	**92**	**92**	65-135	**0**	35	
Trichlorotrifluoroethane	27.0	23.1	22.5	**86**	**83**	65-135	**4**	35	
Carbon Disulfide	25.0	23.5	23.4	**94**	**94**	65-135	**0**	35	
trans-1,2-Dichloroethene	26.3	25.3	25.5	**96**	**97**	65-135	**1**	35	
1,1-Dichloroethane	26.3	24.8	24.8	**94**	**94**	65-135	**0**	35	
Methyl tert-Butyl Ether	26.3	23.9	23.5	**91**	**89**	65-135	**2**	35	
Vinyl Acetate	24.3	23.0	22.7	**95**	**93**	65-135	**2**	35	
2-Butanone (MEK)	26.8	25.7	25.5	**96**	**95**	65-135	**1**	35	
cis-1,2-Dichloroethene	26.5	25.2	25.4	**95**	**96**	65-135	**1**	35	
Chloroform	30.0	26.6	26.2	**89**	**87**	65-135	**2**	35	
1,2-Dichloroethane	26.0	25.8	25.3	**99**	**97**	65-135	**2**	35	
1,1,1-Trichloroethane	26.3	24.9	24.7	**95**	**94**	65-135	**1**	35	
Benzene	26.3	24.0	23.9	**91**	**91**	65-135	**0**	35	
Carbon Tetrachloride	25.8	25.5	25.4	**99**	**98**	65-135	**1**	35	
1,2-Dichloropropane	26.0	24.9	24.9	**96**	**96**	65-135	**0**	35	

Verified By: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2603371
CAS Sample ID: P061212-LCS, P061212-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: 12/12/06
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	27.0	27.3	**98**	**99**	65-135	**1**	35	
Trichloroethene	27.3	26.2	26.1	**96**	**96**	65-135	**0**	35	
cis-1,3-Dichloropropene	26.0	24.2	24.2	**93**	**93**	65-135	**0**	35	
4-Methyl-2-pentanone	26.5	27.1	27.3	**102**	**103**	65-135	**1**	35	
trans-1,3-Dichloropropene	27.8	27.3	27.6	**98**	**99**	65-135	**1**	35	
1,1,2-Trichloroethane	25.8	25.2	25.1	**98**	**97**	65-135	**1**	35	
Toluene	26.0	24.1	24.0	**93**	**92**	65-135	**1**	35	
2-Hexanone	26.0	26.1	25.8	**100**	**99**	65-135	**1**	35	
Dibromochloromethane	26.5	25.6	25.7	**97**	**97**	65-135	**0**	35	
1,2-Dibromoethane	26.0	24.8	24.7	**95**	**95**	65-135	**0**	35	
Tetrachloroethene	25.8	23.6	23.6	**91**	**91**	65-135	**0**	35	
Chlorobenzene	26.0	24.3	24.1	**93**	**93**	65-135	**0**	35	
Ethylbenzene	25.8	24.2	24.2	**94**	**94**	65-135	**0**	35	
m,p-Xylenes	61.5	59.2	59.2	**96**	**96**	65-135	**0**	35	
Bromoform	31.3	30.1	30.1	**96**	**96**	65-135	**0**	35	
Styrene	25.8	25.2	25.2	**98**	**98**	65-135	**0**	35	
o-Xylene	29.0	27.9	27.9	**96**	**96**	65-135	**0**	35	
1,1,2,2-Tetrachloroethane	29.3	28.0	28.1	**96**	**96**	65-135	**0**	35	
1,3-Dichlorobenzene	25.3	23.8	23.9	**94**	**94**	65-135	**0**	35	
1,4-Dichlorobenzene	26.0	24.8	25.0	**95**	**96**	65-135	**1**	35	
1,2-Dichlorobenzene	25.5	24.3	24.4	**95**	**96**	65-135	**1**	35	

Verified By: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2603371
CAS Sample ID: P061213-LCS, P061213-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: 12/13/06
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	23.2	22.8	95	94	65-135	1	35	
Vinyl Chloride	24.8	21.3	20.9	86	84	65-135	2	35	
Bromomethane	25.0	22.7	22.3	91	89	65-135	2	35	
Chloroethane	25.0	22.7	22.5	91	90	65-135	1	35	
Acetone	26.5	24.3	24.0	92	91	65-135	1	35	
Trichlorofluoromethane	24.3	23.1	22.7	95	93	65-135	2	35	
1,1-Dichloroethene	27.3	25.6	25.6	94	94	65-135	0	35	
Methylene chloride	26.8	24.4	24.4	91	91	65-135	0	35	
Trichlorotrifluoroethane	27.0	22.6	21.5	84	80	65-135	5	35	
Carbon Disulfide	25.0	23.4	23.2	94	93	65-135	1	35	
trans-1,2-Dichloroethene	26.3	25.3	25.0	96	95	65-135	1	35	
1,1-Dichloroethane	26.3	25.0	24.9	95	95	65-135	0	35	
Methyl tert-Butyl Ether	26.3	23.7	23.3	90	89	65-135	1	35	
Vinyl Acetate	24.3	22.7	22.1	93	91	65-135	2	35	
2-Butanone (MEK)	26.8	25.4	25.2	95	94	65-135	1	35	
cis-1,2-Dichloroethene	26.5	25.2	25.1	95	95	65-135	0	35	
Chloroform	30.0	26.7	26.3	89	88	65-135	1	35	
1,2-Dichloroethane	26.0	25.6	25.2	98	97	65-135	1	35	
1,1,1-Trichloroethane	26.3	24.8	24.5	94	93	65-135	1	35	
Benzene	26.3	23.8	23.7	90	90	65-135	0	35	
Carbon Tetrachloride	25.8	25.3	25.2	98	98	65-135	0	35	
1,2-Dichloropropane	26.0	25.0	24.9	96	96	65-135	0	35	

Verified By: KW Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2603371
CAS Sample ID: P061213-LCS, P061213-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: 12/13/06
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	27.1	27.2	99	99	65-135	0	35	
Trichloroethene	27.3	25.6	25.8	94	95	65-135	1	35	
cis-1,3-Dichloropropene	26.0	23.9	24.1	92	93	65-135	1	35	
4-Methyl-2-pentanone	26.5	27.0	27.2	102	103	65-135	1	35	
trans-1,3-Dichloropropene	27.8	27.3	27.6	98	99	65-135	1	35	
1,1,2-Trichloroethane	25.8	24.8	25.0	96	97	65-135	1	35	
Toluene	26.0	23.6	23.6	91	91	65-135	0	35	
2-Hexanone	26.0	25.9	25.9	100	100	65-135	0	35	
Dibromochloromethane	26.5	25.2	25.3	95	95	65-135	0	35	
1,2-Dibromoethane	26.0	24.4	24.5	94	94	65-135	0	35	
Tetrachloroethene	25.8	23.1	23.3	90	90	65-135	0	35	
Chlorobenzene	26.0	23.9	23.9	92	92	65-135	0	35	
Ethylbenzene	25.8	24.0	24.1	93	93	65-135	0	35	
m,p-Xylenes	61.5	58.4	58.6	95	95	65-135	0	35	
Bromoform	31.3	29.7	29.7	95	95	65-135	0	35	
Styrene	25.8	24.6	25.0	95	97	65-135	2	35	
o-Xylene	29.0	27.6	27.8	95	96	65-135	1	35	
1,1,2,2-Tetrachloroethane	29.3	27.7	27.8	95	95	65-135	0	35	
1,3-Dichlorobenzene	25.3	23.6	23.8	93	94	65-135	1	35	
1,4-Dichlorobenzene	26.0	24.6	24.6	95	95	65-135	0	35	
1,2-Dichlorobenzene	25.5	24.1	24.3	95	95	65-135	0	35	

Verified By: [illegible] Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2603371
CAS Sample ID: P061214-LCS, P061214-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: 12/14/06
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	23.1	23.1	**95**	**95**	65-135	**0**	35	
Vinyl Chloride	24.8	22.5	23.4	**91**	**94**	65-135	**3**	35	
Bromomethane	25.0	22.5	23.0	**90**	**92**	65-135	**2**	35	
Chloroethane	25.0	22.2	22.4	**89**	**90**	65-135	**1**	35	
Acetone	26.5	23.8	23.9	**90**	**90**	65-135	**0**	35	
Trichlorofluoromethane	24.3	22.8	22.9	**94**	**94**	65-135	**0**	35	
1,1-Dichloroethene	27.3	24.8	24.9	**91**	**91**	65-135	**0**	35	
Methylene chloride	26.8	23.6	23.6	**88**	**88**	65-135	**0**	35	
Trichlorotrifluoroethane	27.0	23.0	23.4	**85**	**87**	65-135	**2**	35	
Carbon Disulfide	25.0	23.1	23.2	**92**	**93**	65-135	**1**	35	
trans-1,2-Dichloroethene	26.3	24.8	24.8	**94**	**94**	65-135	**0**	35	
1,1-Dichloroethane	26.3	24.6	24.7	**94**	**94**	65-135	**0**	35	
Methyl tert-Butyl Ether	26.3	23.9	24.2	**91**	**92**	65-135	**1**	35	
Vinyl Acetate	24.3	22.3	22.3	**92**	**92**	65-135	**0**	35	
2-Butanone (MEK)	26.8	25.0	25.2	**93**	**94**	65-135	**1**	35	
cis-1,2-Dichloroethene	26.5	24.7	24.9	**93**	**94**	65-135	**1**	35	
Chloroform	30.0	26.2	26.3	**87**	**88**	65-135	**1**	35	
1,2-Dichloroethane	26.0	25.3	25.5	**97**	**98**	65-135	**1**	35	
1,1,1-Trichloroethane	26.3	23.5	24.9	**89**	**95**	65-135	**7**	35	
Benzene	26.3	23.3	23.6	**89**	**90**	65-135	**1**	35	
Carbon Tetrachloride	25.8	24.8	25.4	**96**	**98**	65-135	**2**	35	
1,2-Dichloropropane	26.0	23.9	24.6	**92**	**95**	65-135	**3**	35	

Verified By: MS Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2603371
CAS Sample ID: P061214-LCS, P061214-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: 12/14/06
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	26.4	27.0	**96**	**98**	65-135	**2**	35	
Trichloroethene	27.3	25.4	25.5	**93**	**93**	65-135	**0**	35	
cis-1,3-Dichloropropene	26.0	23.3	23.6	**90**	**91**	65-135	**1**	35	
4-Methyl-2-pentanone	26.5	26.2	26.6	**99**	**100**	65-135	**1**	35	
trans-1,3-Dichloropropene	27.8	26.2	26.9	**94**	**97**	65-135	**3**	35	
1,1,2-Trichloroethane	25.8	24.3	24.2	**94**	**94**	65-135	**0**	35	
Toluene	26.0	23.7	23.5	**91**	**90**	65-135	**1**	35	
2-Hexanone	26.0	25.1	25.3	**97**	**97**	65-135	**0**	35	
Dibromochloromethane	26.5	25.2	24.6	**95**	**93**	65-135	**2**	35	
1,2-Dibromoethane	26.0	24.4	23.8	**94**	**92**	65-135	**2**	35	
Tetrachloroethene	25.8	23.5	22.6	**91**	**88**	65-135	**3**	35	
Chlorobenzene	26.0	23.8	23.7	**92**	**91**	65-135	**1**	35	
Ethylbenzene	25.8	23.9	23.7	**93**	**92**	65-135	**1**	35	
m,p-Xylenes	61.5	57.3	57.1	**93**	**93**	65-135	**0**	35	
Bromoform	31.3	29.1	29.0	**93**	**93**	65-135	**0**	35	
Styrene	25.8	23.9	24.1	**93**	**93**	65-135	**0**	35	
o-Xylene	29.0	26.4	27.0	**91**	**93**	65-135	**2**	35	
1,1,2,2-Tetrachloroethane	29.3	26.6	27.1	**91**	**92**	65-135	**1**	35	
1,3-Dichlorobenzene	25.3	22.6	23.2	**89**	**92**	65-135	**3**	35	
1,4-Dichlorobenzene	26.0	23.5	24.0	**90**	**92**	65-135	**2**	35	
1,2-Dichlorobenzene	25.5	23.2	23.7	**91**	**93**	65-135	**2**	35	

Verified By: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2603371
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: LW Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2603371
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

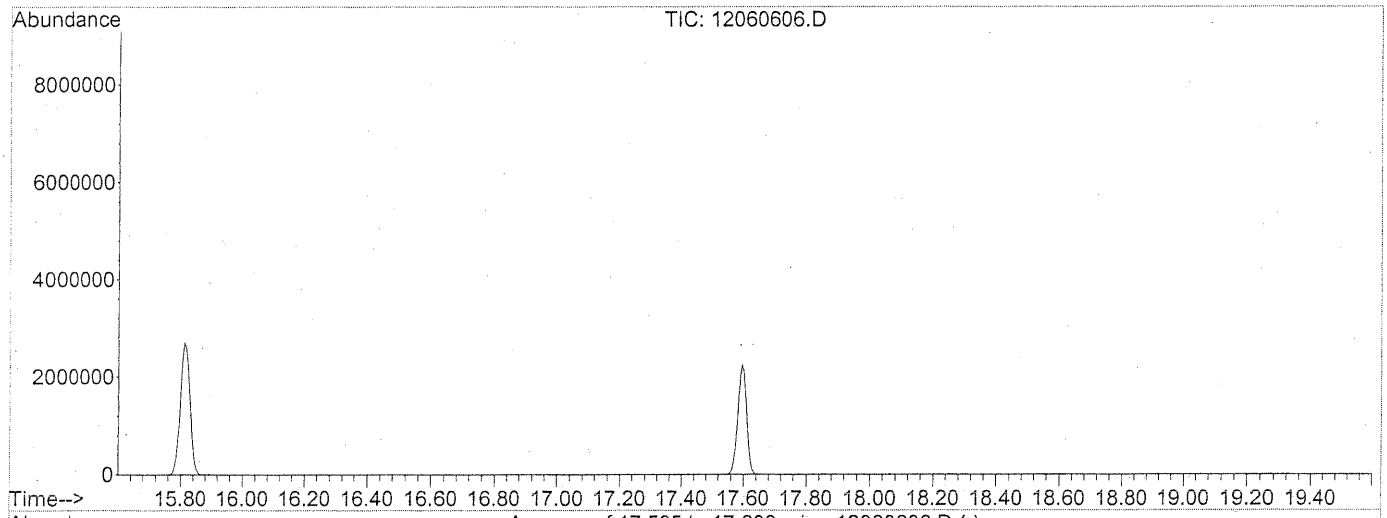
Compound	Spike Amt LCS/DLCS ng	Result LCS ng	Result DLCS ng	% Recovery LCS	% Recovery DLCS	Acceptance Limits	RPD	RPD Limit %	Data Qualifier
Bromodichloromethane	27.5	25.1	24.5	91	89	65-135	2	35	
Trichloroethene	27.3	25.4	25.2	93	92	65-135	1	35	
cis-1,3-Dichloropropene	26.0	22.0	21.9	85	84	65-135	1	35	
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	

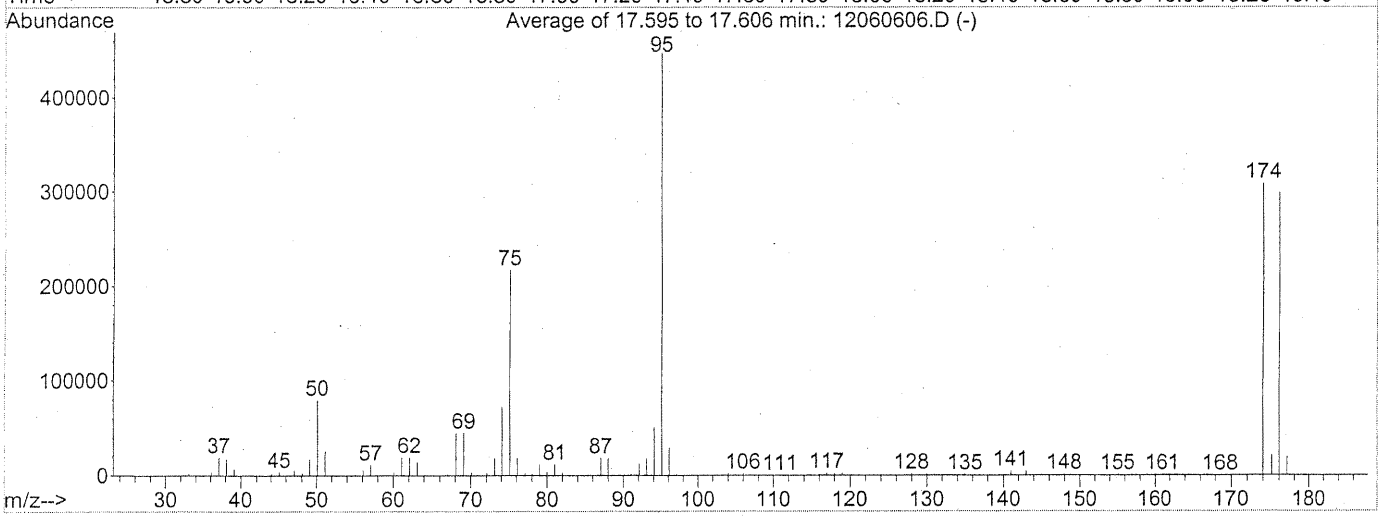
Verified By: LS Date: 12/22/06

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

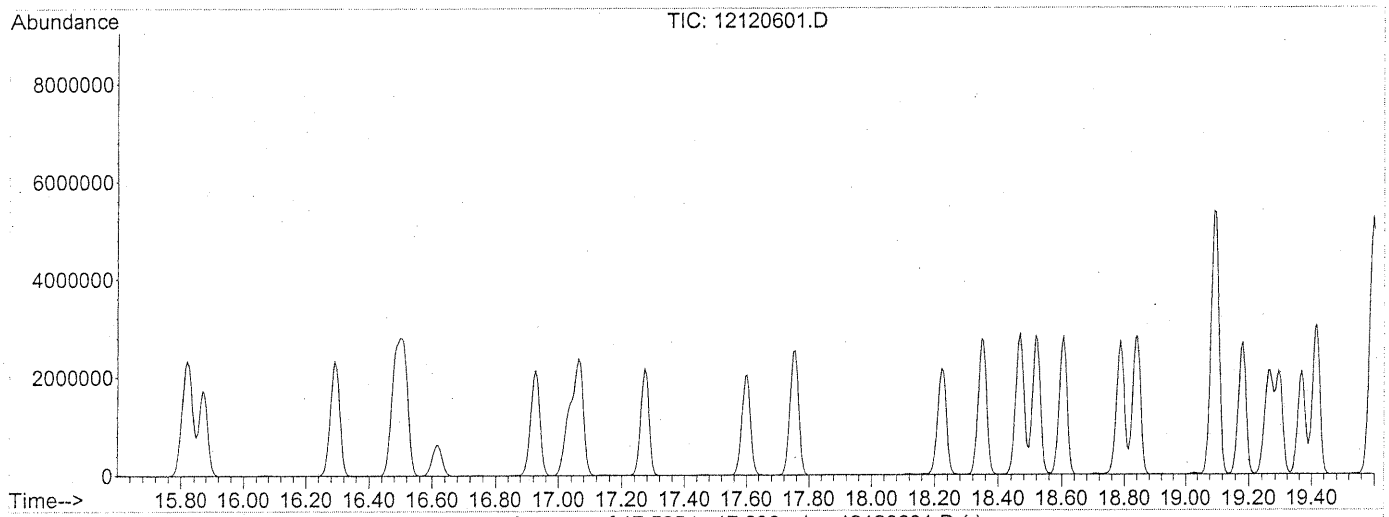
92

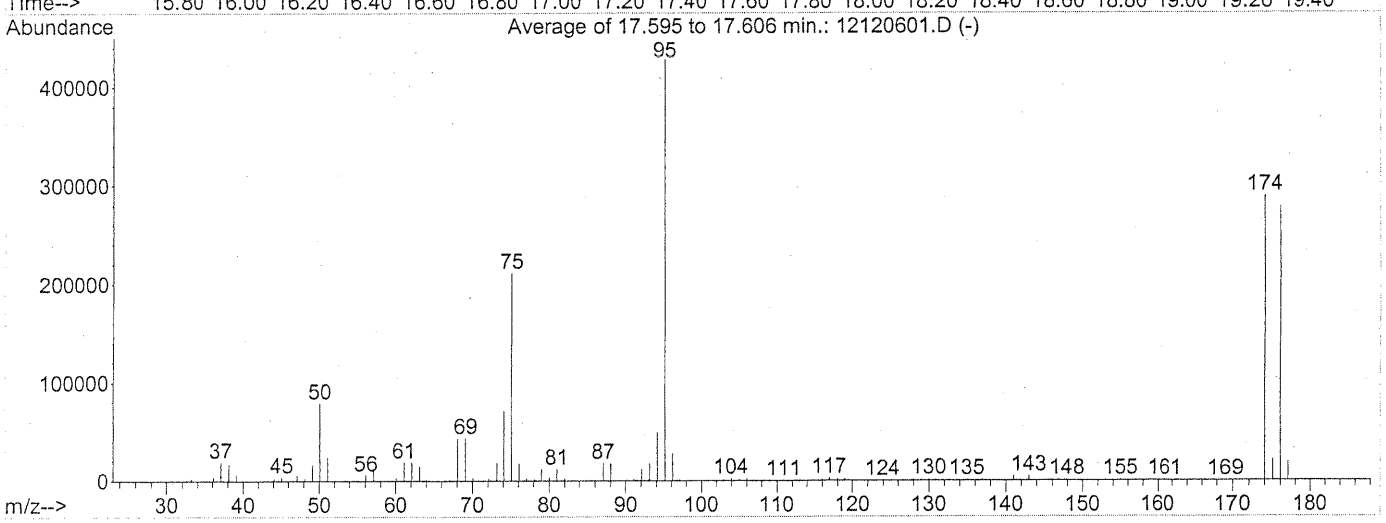
BFB

Data Path : J:\MS08\Data\2006_012\12\
Data File : 12120601.D
Acq On : 12 Dec 2006 8:48
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	18.4	78696	PASS
75	95	30	66	49.2	211050	PASS
95	95	100	100	100.0	428608	PASS
96	95	5	9	6.5	27994	PASS
173	174	0.00	2	0.3	746	PASS
174	95	50	120	67.4	288896	PASS
175	174	4	9	7.3	21106	PASS
176	174	93	101	96.3	278144	PASS
177	176	5	9	6.7	18626	PASS

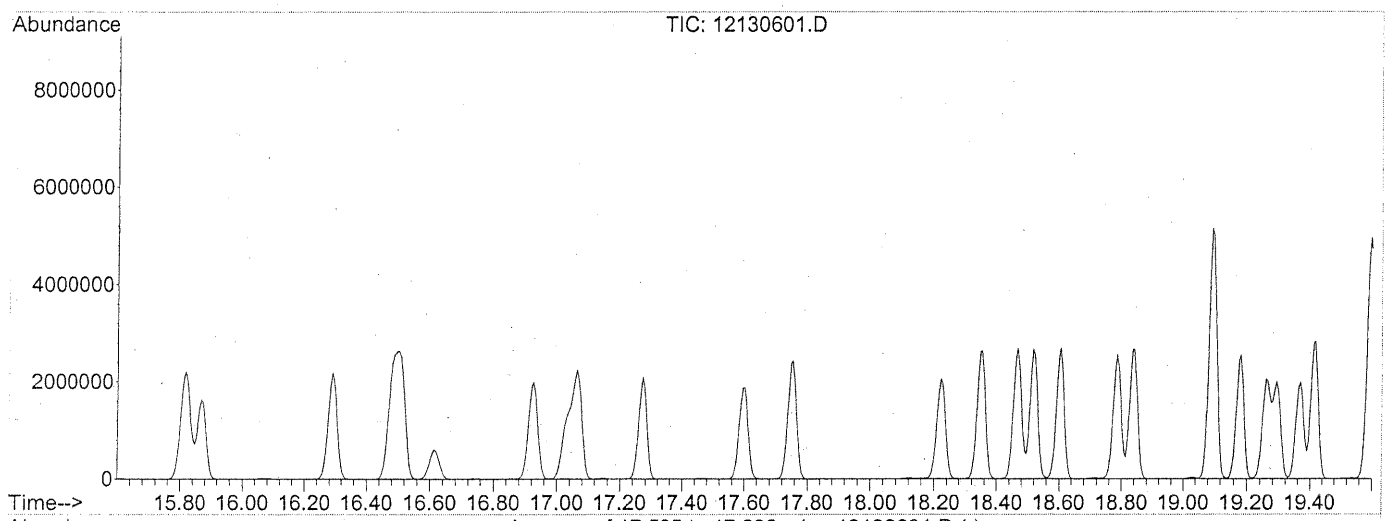
LM 12/12/06

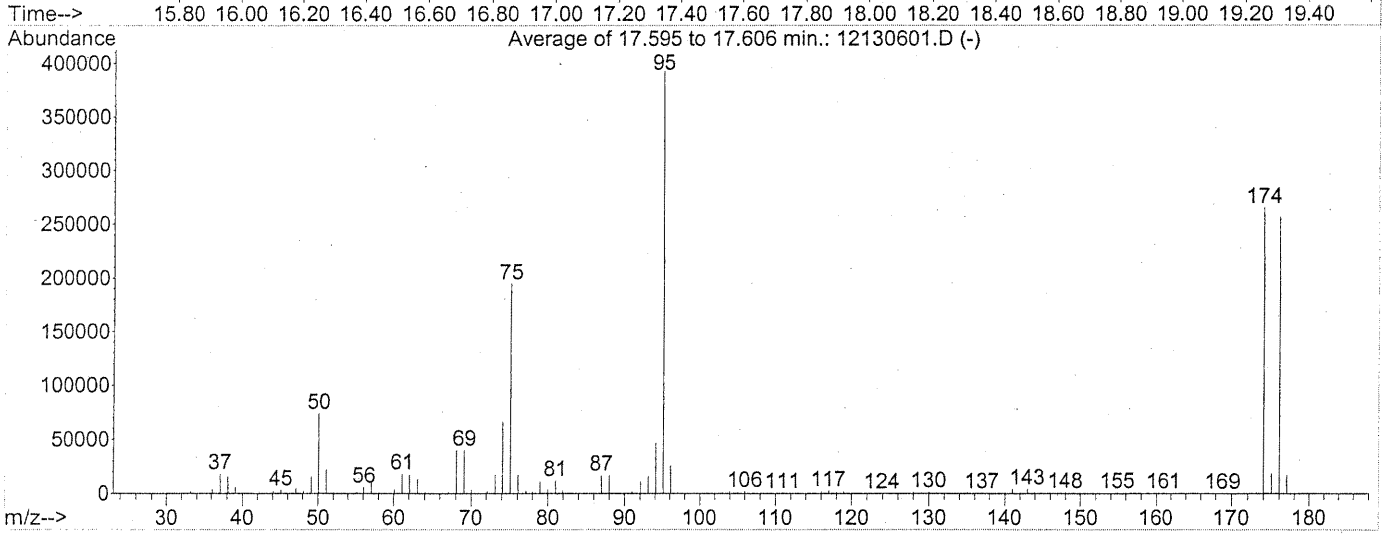
93

Data Path : J:\MS08\Data\2006_012\13\
Data File : 12130601.D
Acq On : 13 Dec 2006 8:30
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 2488

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.8	73909	PASS
75	95	30	66	49.6	194773	PASS
95	95	100	100	100.0	392426	PASS
96	95	5	9	6.5	25421	PASS
173	174	0.00	2	0.3	735	PASS
174	95	50	120	67.7	265493	PASS
175	174	4	9	6.9	18421	PASS
176	174	93	101	96.8	256896	PASS
177	176	5	9	6.5	16638	PASS

LM 12/14/06

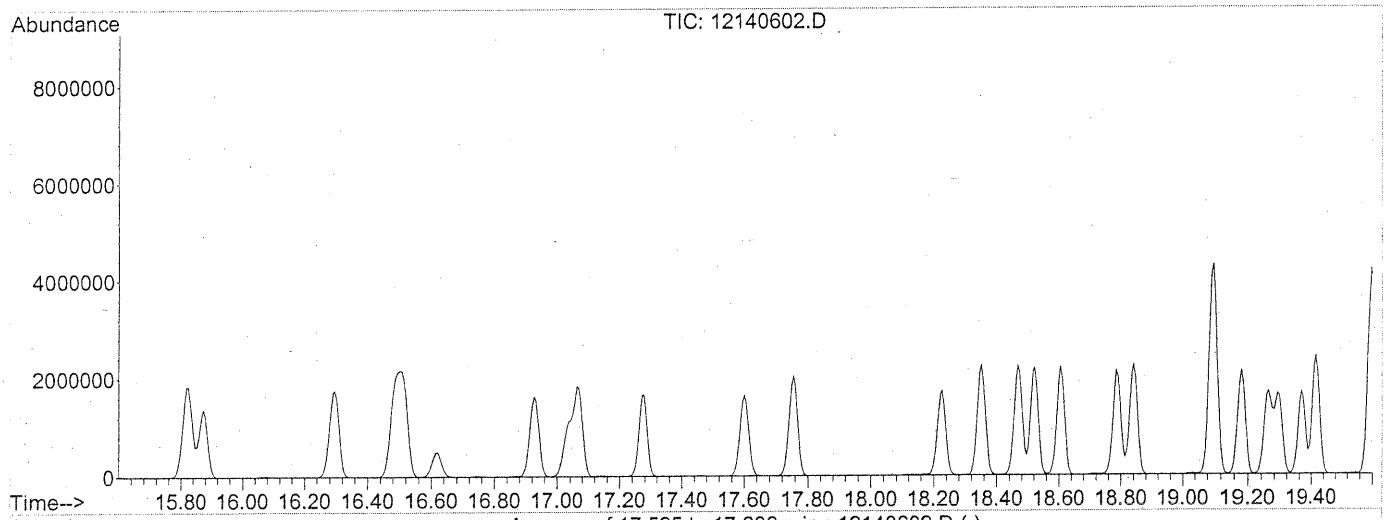
94

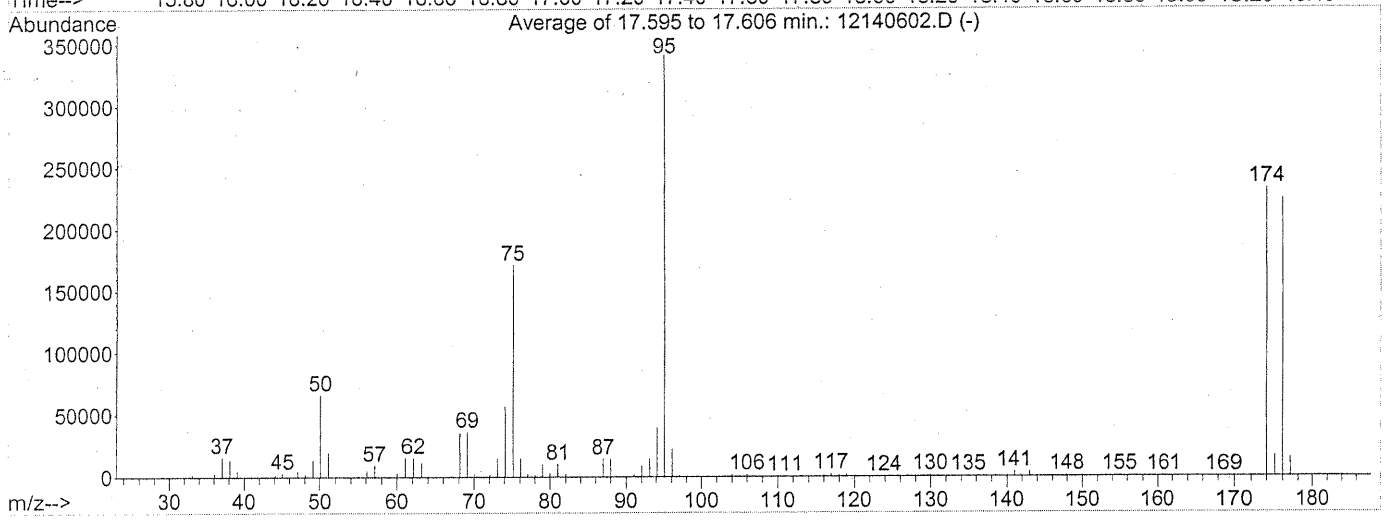
BFB

Data Path : J:\MS08\Data\2006_012\14\
Data File : 12140602.D
Acq On : 14 Dec 2006 10:07
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	19.4	66064	PASS
75	95	30	66	50.2	171285	PASS
95	95	100	100	100.0	341312	PASS
96	95	5	9	6.5	22272	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	68.2	232661	PASS
175	174	4	9	7.1	16609	PASS
176	174	93	101	96.4	224256	PASS
177	176	5	9	6.7	15084	PASS

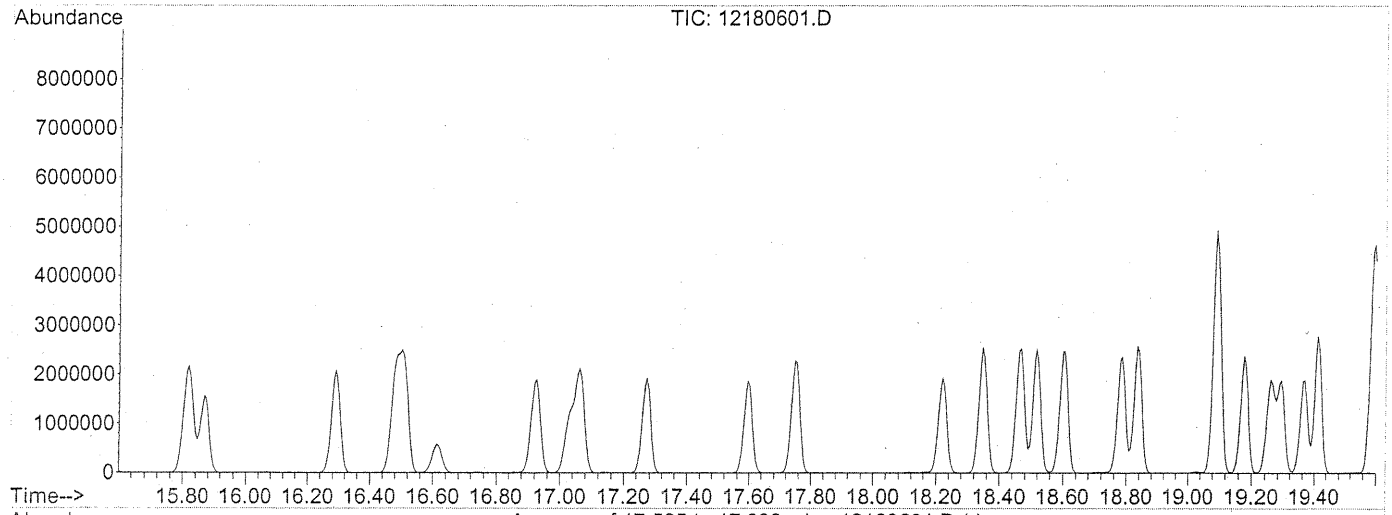
LM 12/15/06

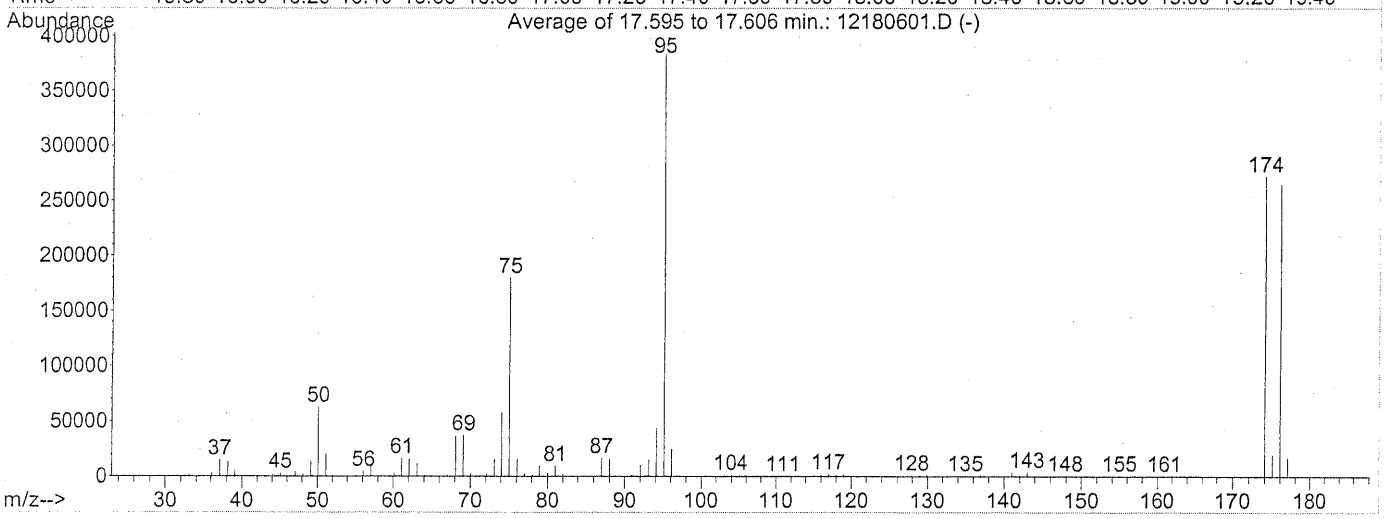
95

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

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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

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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\12\
Data File : 12120601.D
Acq On : 12 Dec 2006 8:48
Operator : LM
Sample : 25ng TO-15 CCV STD
Misc : S15-12050601/S15-12050606
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 12 13:21:01 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	0.01
2	T	Propene	1.223	1.009	17.5	92	0.01
3	T	Dichlorodifluoromethane	2.559	2.392	6.5	95	0.02
4	T	Chloromethane	2.080	1.916	7.9	93	0.01
5	T	Freon 114	0.675	0.607	10.1	94	0.02
6	T	Vinyl Chloride	1.418	1.095	22.8	83	0.01
7	T	1,3-Butadiene	1.375	1.197	12.9	92	0.02
8	T	Bromomethane	1.051	0.913	13.1	92	0.02
9	T	Chloroethane	0.974	0.862	11.5	93	0.02
10	T	Ethanol	0.753	0.901	-19.7	92	0.02
11	T	Acetonitrile	2.237	2.357	-5.4	93	0.02
12	T	Acrolein	0.731	0.699	4.4	92	0.02
13	T	Acetone	1.046	0.819	21.7	94	0.02
14	T	Trichlorofluoromethane	1.741	1.619	7.0	92	0.01
15	T	Isopropanol	3.201	3.378	-5.5	94	0.02
16	T	Acrylonitrile	1.580	1.591	-0.7	92	0.02
17	T	1,1-Dichloroethene	1.172	1.089	7.1	91	0.01
18	T	tert-Butanol	2.959	2.895	2.2	95	0.02
19	T	Methylene Chloride	1.345	1.217	9.5	92	0.02
20	T	Allyl Chloride	1.722	1.713	0.5	92	0.01
21	T	Trichlorotrifluoroethane	0.683	0.520	23.9	93	0.01
22	T	Carbon Disulfide	4.831	4.301	11.0	92	0.00
23	T	trans-1,2-Dichloroethene	1.881	1.762	6.3	92	0.00
24	T	1,1-Dichloroethane	1.910	1.754	8.2	89	0.01
25	T	Methyl tert-Butyl Ether	3.036	2.611	14.0	95	0.00
26	T	Vinyl Acetate	0.253	0.236	6.7	92	0.01
27	T	2-Butanone	0.805	0.743	7.7	92	0.01
28	T	cis-1,2-Dichloroethene	1.761	1.649	6.4	91	0.00
29	T	Diisopropyl Ether	0.832	0.733	11.9	92	0.00
30	T	Ethyl Acetate	0.404	0.363	10.1	92	0.01
31	T	n-Hexane	1.584	1.278	19.3	93	0.01
32	T	Chloroform	1.869	1.699	9.1	91	0.00
33	S	1,2-Dichloroethane-d4(SS1)	1.877	1.909	-1.7	97	0.01
34	T	Tetrahydrofuran	0.759	0.682	10.1	92	0.00
35	T	Ethyl tert-Butyl Ether	1.261	1.121	11.1	93	0.00
36	T	1,2-Dichloroethane	1.709	1.580	7.5	92	0.01
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	94	0.00
38	T	1,1,1-Trichloroethane	0.411	0.379	7.8	92	0.00
39	T	Isopropyl Acetate	0.169	0.161	4.7	91	0.00
40	T	1-Butanol	0.202	0.267	-32.2#	91	0.00
41	T	Benzene	1.053	0.932	11.5	90	0.00
42	T	Carbon Tetrachloride	0.336	0.315	6.3	90	0.00
43	T	Cyclohexane	0.367	0.316	13.9	90	0.00
44	T	tert-Amyl Methyl Ether	0.728	0.679	6.7	91	0.00
45	T	1,2-Dichloropropane	0.268	0.247	7.8	89	0.00
46	T	Bromodichloromethane	0.361	0.356	1.4	91	0.00
47	T	Trichloroethene	0.238	0.220	7.6	90	0.00
48	T	1,4-Dioxane	0.207	0.207	0.0	91	0.00
49	T	Isooctane	0.987	0.880	10.8	90	0.00
50	T	Methyl Methacrylate	0.102	0.102	0.0	91	0.00
51	T	n-Heptane	0.256	0.228	10.9	89	0.00

LM 12/12/06

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2006_012\12\
Data File : 12120601.D
Acq On : 12 Dec 2006 8:48
Operator : LM
Sample : 25ng TO-15 CCV STD
Misc : S15-12050601/S15-12050606
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 12 13:21:01 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	0.436	4.2	90	0.00
53	T	4-Methyl-2-pentanone	0.246	0.240	2.4	90	0.00
54	T	trans-1,3-Dichloropropene	0.424	0.409	3.5	89	0.00
55	T	1,1,2-Trichloroethane	0.261	0.248	5.0	90	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	96	0.00
57	S	Toluene-d8 (SS2)	2.035	1.971	3.1	93	0.00
58	T	Toluene	2.041	1.830	10.3	89	0.00
59	T	2-Hexanone	1.166	1.127	3.3	90	0.00
60	T	Dibromochloromethane	0.515	0.482	6.4	88	0.00
61	T	1,2-Dibromoethane	0.549	0.512	6.7	88	0.00
62	T	Butyl Acetate	1.288	1.247	3.2	90	0.00
63	T	n-Octane	0.422	0.382	9.5	89	0.00
64	T	Tetrachloroethene	0.450	0.402	10.7	89	0.00
65	T	Chlorobenzene	1.315	1.176	10.6	87	0.00
66	T	Ethylbenzene	2.390	2.191	8.3	88	0.00
67	T	m- & p-Xylene	1.538	1.425	7.3	89	0.00
68	T	Bromoform	0.319	0.314	1.6	89	0.00
69	T	Styrene	1.387	1.312	5.4	88	0.00
70	T	o-Xylene	1.663	1.554	6.6	89	0.00
71	T	n-Nonane	1.028	0.949	7.7	88	0.00
72	T	1,1,2,2-Tetrachloroethane	0.794	0.743	6.4	88	0.00
73	S	Bromofluorobenzene (SS3)	0.597	0.619	-3.7	99	0.00
74	T	Cumene	2.142	1.988	7.2	89	0.00
75	T	alpha-Pinene	1.139	1.048	8.0	89	0.00
76	T	n-Propylbenzene	2.877	2.682	6.8	88	0.00
77	T	3-Ethyltoluene	2.349	2.215	5.7	89	0.00
78	T	4-Ethyltoluene	2.172	2.007	7.6	88	0.00
79	T	1,3,5-Trimethylbenzene	1.913	1.786	6.6	89	0.00
80	T	alpha-Methylstyrene	1.020	0.983	3.6	88	0.00
81	T	2-Ethyltoluene	2.366	2.205	6.8	88	0.00
82	T	1,2,4-Trimethylbenzene	1.900	1.793	5.6	90	0.00
83	T	n-Decane	1.108	1.027	7.3	89	0.00
84	T	Benzyl Chloride	1.805	1.759	2.5	88	0.00
85	T	1,3-Dichlorobenzene	1.007	0.932	7.4	89	0.00
86	T	1,4-Dichlorobenzene	0.977	0.908	7.1	88	0.00
87	T	sec-Butylbenzene	2.519	2.345	6.9	89	0.00
88	T	p-Isopropyltoluene	2.033	1.896	6.7	88	0.00
89	T	1,2,3-Trimethylbenzene	1.854	1.736	6.4	90	0.00
90	T	1,2-Dichlorobenzene	0.939	0.874	6.9	89	0.00
91	T	d-Limonene	0.792	0.772	2.5	89	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.313	0.322	-2.9	90	0.00
93	T	n-Undecane	1.035	0.945	8.7	91	0.00
94	T	1,2,4-Trichlorobenzene	0.187	0.182	2.7	94	0.00
95	T	Naphthalene	2.210	2.240	-1.4	94	0.00
96	T	n-Dodecane	0.745	0.677	9.1	94	0.00
97	T	Hexachloro-1,3-butadiene	0.303	0.301	0.7	97	0.00

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

LM 12/12/06

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Data Path : J:\MS08\Data\2006_012\12\
Data File : 12120603.D
Acq On : 12 Dec 2006 11:05
Operator : LM
Sample : 1ng TO-15 STD
Misc : S15-12050601/S15-12050605
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 12 13:24:59 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	1.550	-26.7	95	0.02
3	T	Dichlorodifluoromethane	2.559	2.915	-13.9	91	0.02
4	T	Chloromethane	2.080	2.209	-6.2	89	0.00
5	T	Freon 114	0.675	0.859	-27.3	98	0.02
6	T	Vinyl Chloride	1.418	1.654	-16.6	85	0.01
7	T	1,3-Butadiene	1.375	1.493	-8.6	87	0.01
8	T	Bromomethane	1.051	1.141	-8.6	88	0.01
9	T	Chloroethane	0.974	1.043	-7.1	87	0.01
10	T	Ethanol	0.753	0.580	23.0	94	-0.01
11	T	Acetonitrile	2.237	2.086	6.8	91	0.01
12	T	Acrolein	0.731	0.677	7.4	87	0.01
13	T	Acetone	1.046	1.298	-24.1	104	0.00
14	T	Trichlorofluoromethane	1.741	1.819	-4.5	90	0.00
15	T	Isopropanol	3.201	3.481	-8.7	91	-0.02
16	T	Acrylonitrile	1.580	1.494	5.4	93	0.00
17	T	1,1-Dichloroethene	1.172	1.184	-1.0	85	0.00
18	T	tert-Butanol	2.959	3.426	-15.8	90	0.00
19	T	Methylene Chloride	1.345	1.450	-7.8	92	0.00
20	T	Allyl Chloride	1.722	1.616	6.2	87	0.00
21	T	Trichlorotrifluoroethane	0.683	0.762	-11.6	90	0.01
22	T	Carbon Disulfide	4.831	5.255	-8.8	90	0.00
23	T	trans-1,2-Dichloroethene	1.881	1.913	-1.7	90	0.00
24	T	1,1-Dichloroethane	1.910	1.971	-3.2	90	-0.01
25	T	Methyl tert-Butyl Ether	3.036	3.376	-11.2	88	0.00
26	T	Vinyl Acetate	0.253	0.290	-14.6	91	0.00
27	T	2-Butanone	0.805	0.855	-6.2	95	0.00
28	T	cis-1,2-Dichloroethene	1.761	1.727	1.9	86	-0.02
29	T	Diisopropyl Ether	0.832	0.906	-8.9	87	0.00
30	T	Ethyl Acetate	0.404	0.390	3.5	81	-0.01
31	T	n-Hexane	1.584	1.875	-18.4	91	0.00
32	T	Chloroform	1.869	1.991	-6.5	86	-0.02
33	S	1,2-Dichloroethane-d4(SS1)	1.877	2.010	-7.1	94	-0.01
34	T	Tetrahydrofuran	0.759	0.770	-1.4	87	0.00
35	T	Ethyl tert-Butyl Ether	1.261	1.353	-7.3	87	0.00
36	T	1,2-Dichloroethane	1.709	1.745	-2.1	88	0.00
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	92	-0.01
38	T	1,1,1-Trichloroethane	0.411	0.423	-2.9	90	-0.01
39	T	Isopropyl Acetate	0.169	0.158	6.5	83	0.00
40	T	1-Butanol	0.202	0.141	30.2#	96	0.01
41	T	Benzene	1.053	1.058	-0.5	84	-0.01
42	T	Carbon Tetrachloride	0.336	0.330	1.8	90	-0.01
43	T	Cyclohexane	0.367	0.395	-7.6	90	-0.01
44	T	tert-Amyl Methyl Ether	0.728	0.740	-1.6	88	0.00
45	T	1,2-Dichloropropane	0.268	0.262	2.2	88	-0.01
46	T	Bromodichloromethane	0.361	0.357	1.1	91	-0.01
47	T	Trichloroethene	0.238	0.234	1.7	89	-0.01
48	T	1,4-Dioxane	0.207	0.203	1.9	91	0.00
49	T	Isooctane	0.987	1.015	-2.8	87	0.00
50	T	Methyl Methacrylate	0.102	0.099	2.9	91	-0.01
51	T	n-Heptane	0.256	0.261	-2.0	88	0.00

LM 12/12/06

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2006_012\12\
Data File : 12120603.D
Acq On : 12 Dec 2006 11:05
Operator : LM
Sample : 1ng TO-15 STD
Misc : S15-12050601/S15-12050605
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 12 13:24:59 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	0.428	5.9	85	0.00
53	T	4-Methyl-2-pentanone	0.246	0.234	4.9	86	0.00
54	T	trans-1,3-Dichloropropene	0.424	0.408	3.8	88	-0.01
55	T	1,1,2-Trichloroethane	0.261	0.252	3.4	88	-0.01
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	94	0.00
57	S	Toluene-d8 (SS2)	2.035	2.003	1.6	92	-0.01
58	T	Toluene	2.041	2.028	0.6	86	0.00
59	T	2-Hexanone	1.166	1.084	7.0	86	0.00
60	T	Dibromochloromethane	0.515	0.487	5.4	88	-0.01
61	T	1,2-Dibromoethane	0.549	0.524	4.6	86	-0.01
62	T	Butyl Acetate	1.288	1.156	10.2	83	0.00
63	T	n-Octane	0.422	0.408	3.3	84	0.00
64	T	Tetrachloroethene	0.450	0.425	5.6	82	0.00
65	T	Chlorobenzene	1.315	1.266	3.7	84	-0.01
66	T	Ethylbenzene	2.390	2.292	4.1	84	-0.01
67	T	m- & p-Xylene	1.538	1.511	1.8	85	0.00
68	T	Bromoform	0.319	0.289	9.4	87	0.00
69	T	Styrene	1.387	1.274	8.1	84	0.00
70	T	o-Xylene	1.663	1.662	0.1	88	-0.01
71	T	n-Nonane	1.028	0.991	3.6	84	0.00
72	T	1,1,2,2-Tetrachloroethane	0.794	0.731	7.9	84	-0.01
73	S	Bromofluorobenzene (SS3)	0.597	0.610	-2.2	95	0.00
74	T	Cumene	2.142	2.064	3.6	85	0.00
75	T	alpha-Pinene	1.139	1.071	6.0	82	0.00
76	T	n-Propylbenzene	2.877	2.802	2.6	86	0.00
77	T	3-Ethyltoluene	2.349	2.273	3.2	87	0.00
78	T	4-Ethyltoluene	2.172	2.107	3.0	84	0.00
79	T	1,3,5-Trimethylbenzene	1.913	1.841	3.8	84	0.00
80	T	alpha-Methylstyrene	1.020	0.895	12.3	83	0.00
81	T	2-Ethyltoluene	2.366	2.265	4.3	84	0.00
82	T	1,2,4-Trimethylbenzene	1.900	1.816	4.4	84	-0.01
83	T	n-Decane	1.108	1.056	4.7	84	0.00
84	T	Benzyl Chloride	1.805	1.584	12.2	82	-0.01
85	T	1,3-Dichlorobenzene	1.007	0.966	4.1	85	0.00
86	T	1,4-Dichlorobenzene	0.977	0.949	2.9	86	0.00
87	T	sec-Butylbenzene	2.519	2.422	3.9	84	0.00
88	T	p-Isopropyltoluene	2.033	1.950	4.1	84	0.00
89	T	1,2,3-Trimethylbenzene	1.854	1.745	5.9	83	0.00
90	T	1,2-Dichlorobenzene	0.939	0.891	5.1	84	0.00
91	T	d-Limonene	0.792	0.707	10.7	83	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.313	0.262	16.3	85	0.00
93	T	n-Undecane	1.035	0.932	10.0	78	0.00
94	T	1,2,4-Trichlorobenzene	0.187	0.152	18.7	73	0.00
95	T	Naphthalene	2.210	1.804	18.4	77	0.00
96	T	n-Dodecane	0.745	0.719	3.5	81	0.00
97	T	Hexachloro-1,3-butadiene	0.303	0.273	9.9	83	0.00

LM 12/12/06

(#) = 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\12\
Data File : 12120613.D
Acq On : 12 Dec 2006 20:08
Operator : LM
Sample : 25ng TO-15 CCV Std
Misc : S15-12050601/S15-12050606
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 13 12:05:52 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	97	0.00
2	T	Propene	1.223	0.980	19.9	93	0.00
3	T	Dichlorodifluoromethane	2.559	2.279	10.9	93	0.00
4	T	Chloromethane	2.080	1.824	12.3	92	0.00
5	T	Freon 114	0.675	0.592	12.3	95	0.00
6	T	Vinyl Chloride	1.418	1.138	19.7	89	0.00
7	T	1,3-Butadiene	1.375	1.179	14.3	93	0.00
8	T	Bromomethane	1.051	0.898	14.6	94	0.00
9	T	Chloroethane	0.974	0.850	12.7	94	0.00
10	T	Ethanol	0.753	0.875	-16.2	92	0.00
11	T	Acetonitrile	2.237	2.250	-0.6	91	0.00
12	T	Acrolein	0.731	0.674	7.8	92	0.00
13	T	Acetone	1.046	0.795	24.0	94	0.00
14	T	Trichlorofluoromethane	1.741	1.598	8.2	93	0.00
15	T	Isopropanol	3.201	3.230	-0.9	93	0.00
16	T	Acrylonitrile	1.580	1.551	1.8	92	0.00
17	T	1,1-Dichloroethene	1.172	1.074	8.4	93	0.00
18	T	tert-Butanol	2.959	2.762	6.7	93	0.00
19	T	Methylene Chloride	1.345	1.200	10.8	94	0.00
20	T	Allyl Chloride	1.722	1.654	3.9	92	0.00
21	T	Trichlorotrifluoroethane	0.683	0.510	25.3	94	0.00
22	T	Carbon Disulfide	4.831	4.287	11.3	94	0.00
23	T	trans-1,2-Dichloroethene	1.881	1.713	8.9	93	0.00
24	T	1,1-Dichloroethane	1.910	1.744	8.7	91	0.00
25	T	Methyl tert-Butyl Ether	3.036	2.512	17.3	94	0.00
26	T	Vinyl Acetate	0.253	0.239	5.5	97	0.00
27	T	2-Butanone	0.805	0.734	8.8	94	0.00
28	T	cis-1,2-Dichloroethene	1.761	1.612	8.5	92	0.00
29	T	Diisopropyl Ether	0.832	0.732	12.0	95	0.00
30	T	Ethyl Acetate	0.404	0.358	11.4	94	0.00
31	T	n-Hexane	1.584	1.267	20.0	95	0.00
32	T	Chloroform	1.869	1.683	10.0	93	0.00
33	S	1,2-Dichloroethane-d4(SS1)	1.877	1.873	0.2	98	0.00
34	T	Tetrahydrofuran	0.759	0.669	11.9	93	0.00
35	T	Ethyl tert-Butyl Ether	1.261	1.111	11.9	95	0.00
36	T	1,2-Dichloroethane	1.709	1.571	8.1	94	0.00
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	99	0.00
38	T	1,1,1-Trichloroethane	0.411	0.369	10.2	94	0.00
39	T	Isopropyl Acetate	0.169	0.159	5.9	94	0.00
40	T	1-Butanol	0.202	0.263	-30.2#	94	0.00
41	T	Benzene	1.053	0.923	12.3	94	0.00
42	T	Carbon Tetrachloride	0.336	0.314	6.5	94	0.00
43	T	Cyclohexane	0.367	0.317	13.6	95	0.00
44	T	tert-Amyl Methyl Ether	0.728	0.671	7.8	95	0.00
45	T	1,2-Dichloropropane	0.268	0.246	8.2	93	0.00
46	T	Bromodichloromethane	0.361	0.350	3.0	94	0.00
47	T	Trichloroethene	0.238	0.221	7.1	95	0.00
48	T	1,4-Dioxane	0.207	0.205	1.0	95	0.00
49	T	Isooctane	0.987	0.872	11.7	93	0.00
50	T	Methyl Methacrylate	0.102	0.102	0.0	95	0.00
51	T	n-Heptane	0.256	0.227	11.3	93	0.00

LM 12/18/06

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\DATA\2006_012\12\
Data File : 12120613.D
Acq On : 12 Dec 2006 20:08
Operator : LM
Sample : 25ng TO-15 CCV Std
Misc : S15-12050601/S15-12050606
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 13 12:05:52 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	0.434	4.6	94	0.00
53	T	4-Methyl-2-pentanone	0.246	0.239	2.8	93	0.00
54	T	trans-1,3-Dichloropropene	0.424	0.406	4.2	92	0.00
55	T	1,1,2-Trichloroethane	0.261	0.244	6.5	93	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	99	0.00
57	S	Toluene-d8 (SS2)	2.035	1.989	2.3	97	0.00
58	T	Toluene	2.041	1.852	9.3	93	0.00
59	T	2-Hexanone	1.166	1.121	3.9	93	0.00
60	T	Dibromochloromethane	0.515	0.493	4.3	93	0.00
61	T	1,2-Dibromoethane	0.549	0.519	5.5	93	0.00
62	T	Butyl Acetate	1.288	1.241	3.6	92	0.00
63	T	n-Octane	0.422	0.383	9.2	93	0.00
64	T	Tetrachloroethene	0.450	0.410	8.9	94	0.00
65	T	Chlorobenzene	1.315	1.214	7.7	93	0.00
66	T	Ethylbenzene	2.390	2.233	6.6	93	0.00
67	T	m- & p-Xylene	1.538	1.458	5.2	94	0.00
68	T	Bromoform	0.319	0.319	0.0	94	0.00
69	T	Styrene	1.387	1.353	2.5	94	0.00
70	T	o-Xylene	1.663	1.579	5.1	94	0.00
71	T	n-Nonane	1.028	0.963	6.3	92	0.00
72	T	1,1,2,2-Tetrachloroethane	0.794	0.756	4.8	92	0.00
73	S	Bromofluorobenzene (SS3)	0.597	0.616	-3.2	101	0.00
74	T	Cumene	2.142	2.025	5.5	94	0.00
75	T	alpha-Pinene	1.139	1.064	6.6	93	0.00
76	T	n-Propylbenzene	2.877	2.747	4.5	93	0.00
77	T	3-Ethyltoluene	2.349	2.239	4.7	93	0.00
78	T	4-Ethyltoluene	2.172	2.083	4.1	94	0.00
79	T	1,3,5-Trimethylbenzene	1.913	1.838	3.9	94	0.00
80	T	alpha-Methylstyrene	1.020	1.006	1.4	93	0.00
81	T	2-Ethyltoluene	2.366	2.267	4.2	94	0.00
82	T	1,2,4-Trimethylbenzene	1.900	1.831	3.6	95	0.00
83	T	n-Decane	1.108	1.044	5.8	93	0.00
84	T	Benzyl Chloride	1.805	1.806	-0.1	93	0.00
85	T	1,3-Dichlorobenzene	1.007	0.958	4.9	94	0.00
86	T	1,4-Dichlorobenzene	0.977	0.931	4.7	93	0.00
87	T	sec-Butylbenzene	2.519	2.396	4.9	94	0.00
88	T	p-Isopropyltoluene	2.033	1.962	3.5	95	0.00
89	T	1,2,3-Trimethylbenzene	1.854	1.774	4.3	95	0.00
90	T	1,2-Dichlorobenzene	0.939	0.893	4.9	94	0.00
91	T	d-Limonene	0.792	0.782	1.3	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.313	0.328	-4.8	95	0.00
93	T	n-Undecane	1.035	0.935	9.7	93	0.00
94	T	1,2,4-Trichlorobenzene	0.187	0.184	1.6	99	0.00
95	T	Naphthalene	2.210	2.241	-1.4	97	0.00
96	T	n-Dodecane	0.745	0.655	12.1	94	0.00
97	T	Hexachloro-1,3-butadiene	0.303	0.304	-0.3	101	0.00

LM 12/18/06

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

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Data Path : J:\MS08\Data\2006_012\13\
Data File : 12130601.D
Acq On : 13 Dec 2006 8:30
Operator : LM
Sample : 25ng TO-15 CCV STD
Misc : S15-12050601/S15-12050606
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 14 10:03:02 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	88	0.00
2	T	Propene	1.223	1.043	14.7	89	0.00
3	T	Dichlorodifluoromethane	2.559	2.420	5.4	90	0.01
4	T	Chloromethane	2.080	1.929	7.3	88	0.00
5	T	Freon 114	0.675	0.601	11.0	87	0.01
6	T	Vinyl Chloride	1.418	1.133	20.1	80	0.00
7	T	1,3-Butadiene	1.375	1.222	11.1	88	0.01
8	T	Bromomethane	1.051	0.922	12.3	87	0.01
9	T	Chloroethane	0.974	0.876	10.1	88	0.01
10	T	Ethanol	0.753	0.896	-19.0	86	0.02
11	T	Acetonitrile	2.237	2.366	-5.8	87	0.02
12	T	Acrolein	0.731	0.688	5.9	85	0.02
13	T	Acetone	1.046	0.821	21.5	88	0.01
14	T	Trichlorofluoromethane	1.741	1.650	5.2	87	0.01
15	T	Isopropanol	3.201	3.368	-5.2	88	0.01
16	T	Acrylonitrile	1.580	1.590	-0.6	86	0.01
17	T	1,1-Dichloroethene	1.172	1.088	7.2	85	0.00
18	T	tert-Butanol	2.959	2.854	3.5	87	0.02
19	T	Methylene Chloride	1.345	1.213	9.8	86	0.01
20	T	Allyl Chloride	1.722	1.711	0.6	86	0.00
21	T	Trichlorotrifluoroethane	0.683	0.524	23.3	88	0.00
22	T	Carbon Disulfide	4.831	4.329	10.4	86	0.00
23	T	trans-1,2-Dichloroethene	1.881	1.735	7.8	85	0.00
24	T	1,1-Dichloroethane	1.910	1.782	6.7	85	0.01
25	T	Methyl tert-Butyl Ether	3.036	2.622	13.6	89	0.00
26	T	Vinyl Acetate	0.253	0.237	6.3	87	0.00
27	T	2-Butanone	0.805	0.746	7.3	86	0.01
28	T	cis-1,2-Dichloroethene	1.761	1.636	7.1	85	0.00
29	T	Diisopropyl Ether	0.832	0.742	10.8	87	0.00
30	T	Ethyl Acetate	0.404	0.363	10.1	86	0.00
31	T	n-Hexane	1.584	1.304	17.7	88	0.00
32	T	Chloroform	1.869	1.736	7.1	87	0.00
33	S	1,2-Dichloroethane-d4(SS1)	1.877	1.939	-3.3	92	0.00
34	T	Tetrahydrofuran	0.759	0.687	9.5	87	0.00
35	T	Ethyl tert-Butyl Ether	1.261	1.126	10.7	87	0.00
36	T	1,2-Dichloroethane	1.709	1.608	5.9	87	0.00
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	89	0.00
38	T	1,1,1-Trichloroethane	0.411	0.378	8.0	86	0.00
39	T	Isopropyl Acetate	0.169	0.161	4.7	86	0.00
40	T	1-Butanol	0.202	0.261	-29.2	84	0.00
41	T	Benzene	1.053	0.933	11.4	85	0.00
42	T	Carbon Tetrachloride	0.336	0.318	5.4	86	0.00
43	T	Cyclohexane	0.367	0.318	13.4	86	0.00
44	T	tert-Amyl Methyl Ether	0.728	0.675	7.3	86	0.00
45	T	1,2-Dichloropropane	0.268	0.247	7.8	84	0.00
46	T	Bromodichloromethane	0.361	0.355	1.7	86	0.00
47	T	Trichloroethene	0.238	0.221	7.1	85	0.00
48	T	1,4-Dioxane	0.207	0.202	2.4	84	0.00
49	T	Isooctane	0.987	0.880	10.8	85	0.00
50	T	Methyl Methacrylate	0.102	0.100	2.0	85	0.00
51	T	n-Heptane	0.256	0.226	11.7	83	0.00

LM 12/14/06

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2006_012\13\
Data File : 12130601.D
Acq On : 13 Dec 2006 8:30
Operator : LM
Sample : 25ng TO-15 CCV STD
Misc : S15-12050601/S15-12050606
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 14 10:03:02 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	0.432	5.1	84	0.00
53	T	4-Methyl-2-pentanone	0.246	0.238	3.3	84	0.00
54	T	trans-1,3-Dichloropropene	0.424	0.409	3.5	84	0.00
55	T	1,1,2-Trichloroethane	0.261	0.243	6.9	83	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	89	0.00
57	S	Toluene-d8 (SS2)	2.035	1.985	2.5	87	0.00
58	T	Toluene	2.041	1.828	10.4	83	0.00
59	T	2-Hexanone	1.166	1.139	2.3	85	0.00
60	T	Dibromochloromethane	0.515	0.488	5.2	83	0.00
61	T	1,2-Dibromoethane	0.549	0.514	6.4	83	0.00
62	T	Butyl Acetate	1.288	1.260	2.2	84	0.00
63	T	n-Octane	0.422	0.385	8.8	84	0.00
64	T	Tetrachloroethene	0.450	0.401	10.9	83	0.00
65	T	Chlorobenzene	1.315	1.183	10.0	82	0.00
66	T	Ethylbenzene	2.390	2.197	8.1	82	0.00
67	T	m- & p-Xylene	1.538	1.436	6.6	83	0.00
68	T	Bromoform	0.319	0.313	1.9	83	0.00
69	T	Styrene	1.387	1.319	4.9	82	0.00
70	T	o-Xylene	1.663	1.563	6.0	83	0.00
71	T	n-Nonane	1.028	0.965	6.1	83	0.00
72	T	1,1,2,2-Tetrachloroethane	0.794	0.745	6.2	82	0.00
73	S	Bromofluorobenzene (SS3)	0.597	0.611	-2.3	91	0.00
74	T	Cumene	2.142	1.988	7.2	83	0.00
75	T	alpha-Pinene	1.139	1.043	8.4	82	0.00
76	T	n-Propylbenzene	2.877	2.701	6.1	83	0.00
77	T	3-Ethyltoluene	2.349	2.224	5.3	83	0.00
78	T	4-Ethyltoluene	2.172	2.009	7.5	82	0.00
79	T	1,3,5-Trimethylbenzene	1.913	1.789	6.5	82	0.00
80	T	alpha-Methylstyrene	1.020	0.979	4.0	81	0.00
81	T	2-Ethyltoluene	2.366	2.211	6.6	82	0.00
82	T	1,2,4-Trimethylbenzene	1.900	1.800	5.3	84	0.00
83	T	n-Decane	1.108	1.026	7.4	82	0.00
84	T	Benzyl Chloride	1.805	1.781	1.3	82	0.00
85	T	1,3-Dichlorobenzene	1.007	0.930	7.6	82	0.00
86	T	1,4-Dichlorobenzene	0.977	0.902	7.7	81	0.00
87	T	sec-Butylbenzene	2.519	2.361	6.3	83	0.00
88	T	p-Isopropyltoluene	2.033	1.924	5.4	83	0.00
89	T	1,2,3-Trimethylbenzene	1.854	1.754	5.4	84	0.00
90	T	1,2-Dichlorobenzene	0.939	0.871	7.2	83	0.00
91	T	d-Limonene	0.792	0.777	1.9	83	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.313	0.319	-1.9	83	0.00
93	T	n-Undecane	1.035	0.935	9.7	83	0.00
94	T	1,2,4-Trichlorobenzene	0.187	0.182	2.7	88	0.00
95	T	Naphthalene	2.210	2.254	-2.0	88	0.00
96	T	n-Dodecane	0.745	0.679	8.9	88	0.00
97	T	Hexachloro-1,3-butadiene	0.303	0.302	0.3	90	0.00

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

LM 12/14/06

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2006_012\13\
Data File : 12130603.D
Acq On : 13 Dec 2006 10:16
Operator : LM
Sample : 1ng TO-15 CCV STD
Misc : S15-12050601/S15-12050604
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 21 10:38:37 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	85	-0.02
2	T	Propene	1.223	1.514	-23.8	86	0.02
3	T	Dichlorodifluoromethane	2.559	2.869	-12.1	83	0.01
4	T	Chloromethane	2.080	2.273	-9.3	85	0.00
5	T	Freon 114	0.675	0.836	-23.9	88	0.02
6	T	Vinyl Chloride	1.418	1.665	-17.4	80	0.00
7	T	1,3-Butadiene	1.375	1.418	-3.1	76	0.01
8	T	Bromomethane	1.051	1.127	-7.2	81	0.01
9	T	Chloroethane	0.974	1.045	-7.3	81	0.01
10	T	Ethanol	0.753	0.508	32.5#	76	-0.01
11	T	Acetonitrile	2.237	2.025	9.5	82	0.00
12	T	Acrolein	0.731	0.676	7.5	81	0.00
13	T	Acetone	1.046	1.247	-19.2	93	0.00
14	T	Trichlorofluoromethane	1.741	1.784	-2.5	82	0.00
15	T	Isopropanol	3.201	3.393	-6.0	82	-0.02
16	T	Acrylonitrile	1.580	1.451	8.2	84	-0.01
17	T	1,1-Dichloroethene	1.172	1.155	1.5	77	0.00
18	T	tert-Butanol	2.959	3.457	-16.8	84	0.00
19	T	Methylene Chloride	1.345	1.430	-6.3	84	0.00
20	T	Allyl Chloride	1.722	1.597	7.3	80	0.00
21	T	Trichlorotrifluoroethane	0.683	0.747	-9.4	82	0.00
22	T	Carbon Disulfide	4.831	5.126	-6.1	81	0.00
23	T	trans-1,2-Dichloroethene	1.881	1.867	0.7	81	0.00
24	T	1,1-Dichloroethane	1.910	2.063	-8.0	87	-0.01
25	T	Methyl tert-Butyl Ether	3.036	3.311	-9.1	80	0.00
26	T	Vinyl Acetate	0.253	0.279	-10.3	81	0.00
27	T	2-Butanone	0.805	0.801	0.5	83	0.00
28	T	cis-1,2-Dichloroethene	1.761	1.730	1.8	80	-0.01
29	T	Diisopropyl Ether	0.832	0.922	-10.8	82	0.00
30	T	Ethyl Acetate	0.404	0.406	-0.5	79	0.00
31	T	n-Hexane	1.584	1.902	-20.1	86	0.00
32	T	Chloroform	1.869	2.044	-9.4	82	-0.02
33	S	1,2-Dichloroethane-d4(SS1)	1.877	2.032	-8.3	88	-0.01
34	T	Tetrahydrofuran	0.759	0.761	-0.3	80	0.00
35	T	Ethyl tert-Butyl Ether	1.261	1.335	-5.9	80	-0.01
36	T	1,2-Dichloroethane	1.709	1.823	-6.7	86	-0.01
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	85	0.00
38	T	1,1,1-Trichloroethane	0.411	0.417	-1.5	82	-0.01
39	T	Isopropyl Acetate	0.169	0.160	5.3	78	0.00
40	T	1-Butanol	0.202	0.127	37.1#	80	0.00
41	T	Benzene	1.053	1.055	-0.2	77	0.00
42	T	Carbon Tetrachloride	0.336	0.342	-1.8	86	-0.01
43	T	Cyclohexane	0.367	0.392	-6.8	83	0.00
44	T	tert-Amyl Methyl Ether	0.728	0.742	-1.9	81	0.00
45	T	1,2-Dichloropropane	0.268	0.268	0.0	83	-0.01
46	T	Bromodichloromethane	0.361	0.350	3.0	83	-0.01
47	T	Trichloroethene	0.238	0.239	-0.4	84	0.00
48	T	1,4-Dioxane	0.207	0.193	6.8	80	0.00
49	T	Isooctane	0.987	1.027	-4.1	82	0.00
50	T	Methyl Methacrylate	0.102	0.090	11.8	77	0.00
51	T	n-Heptane	0.256	0.262	-2.3	82	0.00

LM
12/21/06

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2006_012\13\
Data File : 12130603.D
Acq On : 13 Dec 2006 10:16
Operator : LM
Sample : 1ng TO-15 CCV STD
Misc : S15-12050601/S15-12050604
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 21 10:38:37 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	0.446	2.0	81	0.00
53	T	4-Methyl-2-pentanone	0.246	0.237	3.7	81	0.00
54	T	trans-1,3-Dichloropropene	0.424	0.394	7.1	79	0.00
55	T	1,1,2-Trichloroethane	0.261	0.254	2.7	82	-0.01
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	86	0.00
58	T	Toluene	2.041	2.006	1.7	80	0.00
59	T	2-Hexanone	1.166	1.074	7.9	80	0.00
60	T	Dibromochloromethane	0.515	0.473	8.2	80	-0.01
61	T	1,2-Dibromoethane	0.549	0.530	3.5	82	0.00
62	T	Butyl Acetate	1.288	1.185	8.0	80	0.00
63	T	n-Octane	0.422	0.406	3.8	79	0.00
64	T	Tetrachloroethene	0.450	0.447	0.7	81	0.00
65	T	Chlorobenzene	1.315	1.275	3.0	80	0.00
66	T	Ethylbenzene	2.390	2.290	4.2	79	0.00
67	T	m- & p-Xylene	1.538	1.498	2.6	79	0.00
68	T	Bromoform	0.319	0.281	11.9	80	0.00
69	T	Styrene	1.387	1.289	7.1	80	0.00
70	T	o-Xylene	1.663	1.620	2.6	80	0.00
71	T	n-Nonane	1.028	0.984	4.3	79	0.00
72	T	1,1,2,2-Tetrachloroethane	0.794	0.751	5.4	81	0.00
73	S	Bromofluorobenzene (SS3)	0.597	0.614	-2.8	90	0.00
74	T	Cumene	2.142	2.077	3.0	80	0.00
75	T	alpha-Pinene	1.139	1.050	7.8	76	0.00
76	T	n-Propylbenzene	2.877	2.748	4.5	79	0.00
77	T	3-Ethyltoluene	2.349	2.234	4.9	81	0.00
78	T	4-Ethyltoluene	2.172	2.106	3.0	79	0.00
79	T	1,3,5-Trimethylbenzene	1.913	1.860	2.8	80	0.00
80	T	alpha-Methylstyrene	1.020	0.899	11.9	78	0.00
81	T	2-Ethyltoluene	2.366	2.277	3.8	79	0.00
82	T	1,2,4-Trimethylbenzene	1.900	1.857	2.3	81	0.00
83	T	n-Decane	1.108	1.069	3.5	80	0.00
84	T	Benzyl Chloride	1.805	1.581	12.4	77	0.00
85	T	1,3-Dichlorobenzene	1.007	0.964	4.3	80	-0.01
86	T	1,4-Dichlorobenzene	0.977	0.918	6.0	78	0.00
87	T	sec-Butylbenzene	2.519	2.440	3.1	79	0.00
88	T	p-Isopropyltoluene	2.033	1.952	4.0	79	0.00
89	T	1,2,3-Trimethylbenzene	1.854	1.795	3.2	81	0.00
90	T	1,2-Dichlorobenzene	0.939	0.915	2.6	81	0.00
91	T	d-Limonene	0.792	0.716	9.6	79	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.313	0.255	18.5	78	0.00
93	T	n-Undecane	1.035	0.952	8.0	75	0.00
94	T	1,2,4-Trichlorobenzene	0.187	0.167	10.7	75	0.00
95	T	Naphthalene	2.210	1.905	13.8	76	0.00
96	T	n-Dodecane	0.745	0.729	2.1	77	0.00
97	T	Hexachloro-1,3-butadiene	0.303	0.275	9.2	78	0.00

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

12/21/06

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2006_012\13\
Data File : 12130617.D
Acq On : 13 Dec 2006 20:16
Operator : LM
Sample : 25ng TO-15 CCV STD
Misc : S15-12050601/S15-12050606
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 21 10:41:35 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	83	0.00
2	T	Propene	1.223	0.942	23.0	76	0.00
3	T	Dichlorodifluoromethane	2.559	2.246	12.2	79	0.00
4	T	Chloromethane	2.080	1.794	13.8	78	0.00
5	T	Freon 114	0.675	0.574	15.0	79	0.00
6	T	Vinyl Chloride	1.418	1.125	20.7	76	0.00
7	T	1,3-Butadiene	1.375	1.125	18.2	77	0.00
8	T	Bromomethane	1.051	0.866	17.6	78	0.00
9	T	Chloroethane	0.974	0.824	15.4	79	0.00
10	T	Ethanol	0.753	0.860	-14.2	78	0.00
11	T	Acetonitrile	2.237	2.225	0.5	78	0.00
12	T	Acrolein	0.731	0.667	8.8	78	0.00
13	T	Acetone	1.046	0.791	24.4	80	0.00
14	T	Trichlorofluoromethane	1.741	1.576	9.5	79	0.00
15	T	Isopropanol	3.201	3.201	0.0	79	0.00
16	T	Acrylonitrile	1.580	1.541	2.5	79	0.00
17	T	1,1-Dichloroethene	1.172	1.066	9.0	79	0.00
18	T	tert-Butanol	2.959	2.640	10.8	77	0.00
19	T	Methylene Chloride	1.345	1.187	11.7	80	0.00
20	T	Allyl Chloride	1.722	1.619	6.0	77	0.00
21	T	Trichlorotrifluoroethane	0.683	0.492	28.0	78	0.00
22	T	Carbon Disulfide	4.831	4.215	12.8	80	0.00
23	T	trans-1,2-Dichloroethene	1.881	1.693	10.0	79	0.00
24	T	1,1-Dichloroethane	1.910	1.742	8.8	79	0.00
25	T	Methyl tert-Butyl Ether	3.036	2.440	19.6	78	0.00
26	T	Vinyl Acetate	0.253	0.227	10.3	79	0.00
27	T	2-Butanone	0.805	0.723	10.2	79	0.00
28	T	cis-1,2-Dichloroethene	1.761	1.602	9.0	79	0.00
29	T	Diisopropyl Ether	0.832	0.721	13.3	80	0.00
30	T	Ethyl Acetate	0.404	0.354	12.4	80	0.00
31	T	n-Hexane	1.584	1.249	21.1	80	0.00
32	T	Chloroform	1.869	1.665	10.9	79	0.00
33	S	1,2-Dichloroethane-d4(SS1)	1.877	1.862	0.8	84	0.00
34	T	Tetrahydrofuran	0.759	0.672	11.5	80	0.00
35	T	Ethyl tert-Butyl Ether	1.261	1.091	13.5	80	0.00
36	T	1,2-Dichloroethane	1.709	1.533	10.3	79	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	0.367	10.7	79	0.00
39	T	Isopropyl Acetate	0.169	0.159	5.9	80	0.00
40	T	1-Butanol	0.202	0.265	-31.2#	80	0.00
41	T	Benzene	1.053	0.924	12.3	80	0.00
42	T	Carbon Tetrachloride	0.336	0.310	7.7	79	0.00
43	T	Cyclohexane	0.367	0.315	14.2	80	0.00
44	T	tert-Amyl Methyl Ether	0.728	0.667	8.4	80	0.00
45	T	1,2-Dichloropropane	0.268	0.247	7.8	80	0.00
46	T	Bromodichloromethane	0.361	0.351	2.8	80	0.00
47	T	Trichloroethene	0.238	0.220	7.6	80	0.00
48	T	1,4-Dioxane	0.207	0.206	0.5	81	0.00
49	T	Isooctane	0.987	0.866	12.3	79	0.00
50	T	Methyl Methacrylate	0.102	0.102	0.0	81	0.00
51	T	n-Heptane	0.256	0.226	11.7	79	0.00

LM 12/21/06

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2006_012\13\
Data File : 12130617.D
Acq On : 13 Dec 2006 20:16
Operator : LM
Sample : 25ng TO-15 CCV STD
Misc : S15-12050601/S15-12050606
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 21 10:41:35 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	0.434	4.6	80	0.00
53	T	4-Methyl-2-pentanone	0.246	0.241	2.0	80	0.00
54	T	trans-1,3-Dichloropropene	0.424	0.412	2.8	80	0.00
55	T	1,1,2-Trichloroethane	0.261	0.248	5.0	80	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	84	0.00
57	S	Toluene-d8 (SS2)	2.035	2.009	1.3	83	0.00
58	T	Toluene	2.041	1.869	8.4	80	0.00
59	T	2-Hexanone	1.166	1.140	2.2	80	0.00
60	T	Dibromochloromethane	0.515	0.495	3.9	80	0.00
61	T	1,2-Dibromoethane	0.549	0.524	4.6	79	0.00
62	T	Butyl Acetate	1.288	1.260	2.2	80	0.00
63	T	n-Octane	0.422	0.391	7.3	80	0.00
64	T	Tetrachloroethene	0.450	0.411	8.7	80	0.00
65	T	Chlorobenzene	1.315	1.182	10.1	77	0.00
66	T	Ethylbenzene	2.390	2.231	6.7	79	0.00
67	T	m- & p-Xylene	1.538	1.444	6.1	79	0.00
68	T	Bromoform	0.319	0.314	1.6	78	0.00
69	T	Styrene	1.387	1.325	4.5	78	0.00
70	T	o-Xylene	1.663	1.579	5.1	79	0.00
71	T	n-Nonane	1.028	0.983	4.4	80	0.00
72	T	1,1,2,2-Tetrachloroethane	0.794	0.755	4.9	78	0.00
73	S	Bromofluorobenzene (SS3)	0.597	0.613	-2.7	86	0.00
74	T	Cumene	2.142	2.006	6.3	79	0.00
75	T	alpha-Pinene	1.139	1.053	7.6	78	0.00
76	T	n-Propylbenzene	2.877	2.743	4.7	79	0.00
77	T	3-Ethyltoluene	2.349	2.224	5.3	79	0.00
78	T	4-Ethyltoluene	2.172	2.082	4.1	80	0.00
79	T	1,3,5-Trimethylbenzene	1.913	1.828	4.4	80	0.00
80	T	alpha-Methylstyrene	1.020	0.996	2.4	78	0.00
81	T	2-Ethyltoluene	2.366	2.255	4.7	79	0.00
82	T	1,2,4-Trimethylbenzene	1.900	1.841	3.1	81	0.00
83	T	n-Decane	1.108	1.049	5.3	79	0.00
84	T	Benzyl Chloride	1.805	1.808	-0.2	79	0.00
85	T	1,3-Dichlorobenzene	1.007	0.942	6.5	79	0.00
86	T	1,4-Dichlorobenzene	0.977	0.924	5.4	79	0.00
87	T	sec-Butylbenzene	2.519	2.403	4.6	80	0.00
88	T	p-Isopropyltoluene	2.033	1.961	3.5	80	0.00
89	T	1,2,3-Trimethylbenzene	1.854	1.805	2.6	82	0.00
90	T	1,2-Dichlorobenzene	0.939	0.891	5.1	80	0.00
91	T	d-Limonene	0.792	0.797	-0.6	81	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.313	0.326	-4.2	80	0.00
93	T	n-Undecane	1.035	0.947	8.5	80	0.00
94	T	1,2,4-Trichlorobenzene	0.187	0.189	-1.1	86	0.00
95	T	Naphthalene	2.210	2.292	-3.7	84	0.00
96	T	n-Dodecane	0.745	0.693	7.0	85	0.00
97	T	Hexachloro-1,3-butadiene	0.303	0.306	-1.0	86	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\14\
Data File : 12140602.D
Acq On : 14 Dec 2006 10:07
Operator : LM
Sample : 25ng TO-15 CCV STD
Misc : S15-12050601/S15-12050606
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 15 10:01:55 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	72	0.00
2	T	Propene	1.223	0.990	19.1	69	0.01
3	T	Dichlorodifluoromethane	2.559	2.283	10.8	69	0.01
4	T	Chloromethane	2.080	1.823	12.4	68	0.00
5	T	Freon 114	0.675	0.597	11.6	70	0.01
6	T	Vinyl Chloride	1.418	1.186	16.4	68	0.01
7	T	1,3-Butadiene	1.375	1.164	15.3	68	0.01
8	T	Bromomethane	1.051	0.898	14.6	69	0.01
9	T	Chloroethane	0.974	0.830	14.8	68	0.01
10	T	Ethanol	0.753	0.860	-14.2	67	0.02
11	T	Acetonitrile	2.237	2.243	-0.3	67	0.02
12	T	Acrolein	0.731	0.678	7.3	68	0.02
13	T	Acetone	1.046	0.803	23.2	70	0.01
14	T	Trichlorofluoromethane	1.741	1.610	7.5	69	0.01
15	T	Isopropanol	3.201	3.216	-0.5	68	0.02
16	T	Acrylonitrile	1.580	1.525	3.5	67	0.02
17	T	1,1-Dichloroethene	1.172	1.062	9.4	68	0.00
18	T	tert-Butanol	2.959	2.809	5.1	70	0.01
19	T	Methylene Chloride	1.345	1.170	13.0	67	0.01
20	T	Allyl Chloride	1.722	1.620	5.9	66	0.00
21	T	Trichlorotrifluoroethane	0.683	0.537	21.4	73	0.00
22	T	Carbon Disulfide	4.831	4.224	12.6	68	0.00
23	T	trans-1,2-Dichloroethene	1.881	1.687	10.3	67	0.00
24	T	1,1-Dichloroethane	1.910	1.749	8.4	68	0.01
25	T	Methyl tert-Butyl Ether	3.036	2.651	12.7	73	0.00
26	T	Vinyl Acetate	0.253	0.239	5.5	71	0.01
27	T	2-Butanone	0.805	0.733	8.9	69	0.01
28	T	cis-1,2-Dichloroethene	1.761	1.600	9.1	67	0.01
29	T	Diisopropyl Ether	0.832	0.742	10.8	71	0.00
30	T	Ethyl Acetate	0.404	0.361	10.6	70	0.00
31	T	n-Hexane	1.584	1.326	16.3	73	0.00
32	T	Chloroform	1.869	1.694	9.4	69	0.01
33	S	1,2-Dichloroethane-d4(SS1)	1.877	1.913	-1.9	74	0.00
34	T	Tetrahydrofuran	0.759	0.688	9.4	71	0.00
35	T	Ethyl tert-Butyl Ether	1.261	1.128	10.5	71	0.00
36	T	1,2-Dichloroethane	1.709	1.558	8.8	69	0.01
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	74	0.00
38	T	1,1,1-Trichloroethane	0.411	0.374	9.0	71	0.00
39	T	Isopropyl Acetate	0.169	0.158	6.5	70	0.00
40	T	1-Butanol	0.202	0.255	-26.2	68	0.00
41	T	Benzene	1.053	0.917	12.9	69	0.00
42	T	Carbon Tetrachloride	0.336	0.314	6.5	70	0.00
43	T	Cyclohexane	0.367	0.319	13.1	71	0.00
44	T	tert-Amyl Methyl Ether	0.728	0.670	8.0	70	0.00
45	T	1,2-Dichloropropane	0.268	0.243	9.3	68	0.00
46	T	Bromodichloromethane	0.361	0.352	2.5	70	0.00
47	T	Trichloroethene	0.238	0.219	8.0	70	0.00
48	T	1,4-Dioxane	0.207	0.199	3.9	69	0.00
49	T	Isooctane	0.987	0.872	11.7	69	0.00
50	T	Methyl Methacrylate	0.102	0.099	2.9	69	0.00
51	T	n-Heptane	0.256	0.224	12.5	68	0.00

LM 12/15/06

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2006_012\14\
Data File : 12140602.D
Acq On : 14 Dec 2006 10:07
Operator : LM
Sample : 25ng TO-15 CCV STD
Misc : S15-12050601/S15-12050606
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 15 10:01:55 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	0.427	6.2	69	0.00
53	T	4-Methyl-2-pentanone	0.246	0.235	4.5	69	0.00
54	T	trans-1,3-Dichloropropene	0.424	0.401	5.4	68	0.00
55	T	1,1,2-Trichloroethane	0.261	0.240	8.0	68	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	75	0.00
57	S	Toluene-d8 (SS2)	2.035	1.949	4.2	72	0.00
58	T	Toluene	2.041	1.783	12.6	68	0.00
59	T	2-Hexanone	1.166	1.104	5.3	69	0.00
60	T	Dibromochloromethane	0.515	0.478	7.2	68	0.00
61	T	1,2-Dibromoethane	0.549	0.504	8.2	68	0.00
62	T	Butyl Acetate	1.288	1.225	4.9	69	0.00
63	T	n-Octane	0.422	0.377	10.7	69	0.00
64	T	Tetrachloroethene	0.450	0.397	11.8	69	0.00
65	T	Chlorobenzene	1.315	1.166	11.3	68	0.00
66	T	Ethylbenzene	2.390	2.161	9.6	68	0.00
67	T	m- & p-Xylene	1.538	1.409	8.4	69	0.00
68	T	Bromoform	0.319	0.308	3.4	69	0.00
69	T	Styrene	1.387	1.313	5.3	69	0.00
70	T	o-Xylene	1.663	1.532	7.9	69	0.00
71	T	n-Nonane	1.028	0.939	8.7	68	0.00
72	T	1,1,2,2-Tetrachloroethane	0.794	0.737	7.2	68	0.00
73	S	Bromofluorobenzene (SS3)	0.597	0.634	-6.2	79	0.00
74	T	Cumene	2.142	1.981	7.5	69	0.00
75	T	alpha-Pinene	1.139	1.043	8.4	69	0.00
76	T	n-Propylbenzene	2.877	2.671	7.2	69	0.00
77	T	3-Ethyltoluene	2.349	2.183	7.1	69	0.00
78	T	4-Ethyltoluene	2.172	2.033	6.4	69	0.00
79	T	1,3,5-Trimethylbenzene	1.913	1.776	7.2	69	0.00
80	T	alpha-Methylstyrene	1.020	0.984	3.5	69	0.00
81	T	2-Ethyltoluene	2.366	2.214	6.4	69	0.00
82	T	1,2,4-Trimethylbenzene	1.900	1.813	4.6	71	0.00
83	T	n-Decane	1.108	1.019	8.0	69	0.00
84	T	Benzyl Chloride	1.805	1.773	1.8	69	0.00
85	T	1,3-Dichlorobenzene	1.007	0.942	6.5	70	0.00
86	T	1,4-Dichlorobenzene	0.977	0.924	5.4	70	0.00
87	T	sec-Butylbenzene	2.519	2.374	5.8	70	0.00
88	T	p-Isopropyltoluene	2.033	1.924	5.4	70	0.00
89	T	1,2,3-Trimethylbenzene	1.854	1.764	4.9	71	0.00
90	T	1,2-Dichlorobenzene	0.939	0.889	5.3	71	0.00
91	T	d-Limonene	0.792	0.784	1.0	71	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.313	0.336	-7.3	73	0.00
93	T	n-Undecane	1.035	0.970	6.3	73	0.00
94	T	1,2,4-Trichlorobenzene	0.187	0.191	-2.1	77	0.00
95	T	Naphthalene	2.210	2.396	-8.4	79	0.00
96	T	n-Dodecane	0.745	0.752	-0.9	82	0.00
97	T	Hexachloro-1,3-butadiene	0.303	0.318	-5.0	80	0.00

LM 12/15/06

(#) = 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\14\
Data File : 12140604.D
Acq On : 14 Dec 2006 12:11
Operator : LM
Sample : 1ng TO-15 CCV Std
Misc : S15-12050601/S15-12050604
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 21 10:07:07 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	70	-0.01
2	T	Propene	1.223	1.503	-22.9	71	0.02
3	T	Dichlorodifluoromethane	2.559	2.964	-15.8	71	0.02
4	T	Chloromethane	2.080	2.155	-3.6	66	0.01
5	T	Freon 114	0.675	0.849	-25.8	74	0.02
6	T	Vinyl Chloride	1.418	1.745	-23.1	69	0.01
7	T	1,3-Butadiene	1.375	1.559	-13.4	69	0.02
8	T	Bromomethane	1.051	1.091	-3.8	65	0.02
9	T	Chloroethane	0.974	1.038	-6.6	67	0.01
10	T	Ethanol	0.753	0.578	23.2	72	0.00
11	T	Acetonitrile	2.237	2.045	8.6	68	0.01
12	T	Acrolein	0.731	0.632	13.5	62	0.02
13	T	Acetone	1.046	1.255	-20.0	77	0.00
14	T	Trichlorofluoromethane	1.741	1.882	-8.1	71	0.00
15	T	Isopropanol	3.201	3.408	-6.5	68	-0.01
16	T	Acrylonitrile	1.580	1.420	10.1	68	0.00
17	T	1,1-Dichloroethene	1.172	1.158	1.2	64	0.00
18	T	tert-Butanol	2.959	3.417	-15.5	68	0.00
19	T	Methylene Chloride	1.345	1.391	-3.4	67	0.00
20	T	Allyl Chloride	1.722	1.516	12.0	63	0.00
21	T	Trichlorotrifluoroethane	0.683	0.747	-9.4	68	0.01
22	T	Carbon Disulfide	4.831	5.139	-6.4	67	0.00
23	T	trans-1,2-Dichloroethene	1.881	1.827	2.9	66	0.00
24	T	1,1-Dichloroethane	1.910	1.995	-4.5	70	0.00
25	T	Methyl tert-Butyl Ether	3.036	3.381	-11.4	67	0.00
26	T	Vinyl Acetate	0.253	0.286	-13.0	69	0.00
27	T	2-Butanone	0.805	0.845	-5.0	72	0.00
28	T	cis-1,2-Dichloroethene	1.761	1.728	1.9	66	0.00
29	T	Diisopropyl Ether	0.832	0.961	-15.5	70	0.00
30	T	Ethyl Acetate	0.404	0.427	-5.7	68	0.00
31	T	n-Hexane	1.584	1.836	-15.9	69	0.00
32	T	Chloroform	1.869	2.032	-8.7	67	-0.02
33	S	1,2-Dichloroethane-d4(SS1)	1.877	2.055	-9.5	74	0.00
34	T	Tetrahydrofuran	0.759	0.744	2.0	65	0.00
35	T	Ethyl tert-Butyl Ether	1.261	1.342	-6.4	66	0.00
36	T	1,2-Dichloroethane	1.709	1.787	-4.6	69	0.00
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	70	0.00
38	T	1,1,1-Trichloroethane	0.411	0.418	-1.7	68	-0.01
39	T	Isopropyl Acetate	0.169	0.160	5.3	64	0.00
40	T	1-Butanol	0.202	0.129	36.1#	67	0.01
41	T	Benzene	1.053	1.062	-0.9	64	0.00
42	T	Carbon Tetrachloride	0.336	0.344	-2.4	72	0.00
43	T	Cyclohexane	0.367	0.392	-6.8	68	0.00
44	T	tert-Amyl Methyl Ether	0.728	0.744	-2.2	67	0.00
45	T	1,2-Dichloropropane	0.268	0.269	-0.4	69	0.00
46	T	Bromodichloromethane	0.361	0.354	1.9	69	-0.01
47	T	Trichloroethene	0.238	0.241	-1.3	69	0.00
48	T	1,4-Dioxane	0.207	0.195	5.8	67	0.00
49	T	Isooctane	0.987	1.026	-4.0	67	0.00
50	T	Methyl Methacrylate	0.102	0.100	2.0	70	0.00
51	T	n-Heptane	0.256	0.256	0.0	66	0.00

LM 12/21/06

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2006_012\14\
Data File : 12140604.D
Acq On : 14 Dec 2006 12:11
Operator : LM
Sample : 1ng TO-15 CCV Std
Misc : S15-12050601/S15-12050604
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 21 10:07:07 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	0.436	4.2	66	0.00
53	T	4-Methyl-2-pentanone	0.246	0.233	5.3	65	0.00
54	T	trans-1,3-Dichloropropene	0.424	0.403	5.0	66	0.00
55	T	1,1,2-Trichloroethane	0.261	0.250	4.2	67	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	73	0.00
57	S	Toluene-d8 (SS2)	2.035	1.969	3.2	70	0.00
58	T	Toluene	2.041	1.965	3.7	65	0.00
59	T	2-Hexanone	1.166	1.062	8.9	66	0.00
60	T	Dibromochloromethane	0.515	0.461	10.5	65	0.00
61	T	1,2-Dibromoethane	0.549	0.514	6.4	66	0.00
62	T	Butyl Acetate	1.288	1.209	6.1	68	0.00
63	T	n-Octane	0.422	0.406	3.8	66	0.00
64	T	Tetrachloroethene	0.450	0.437	2.9	66	0.00
65	T	Chlorobenzene	1.315	1.266	3.7	66	0.00
66	T	Ethylbenzene	2.390	2.251	5.8	65	0.00
67	T	m- & p-Xylene	1.538	1.459	5.1	64	0.00
68	T	Bromoform	0.319	0.286	10.3	68	0.00
69	T	Styrene	1.387	1.230	11.3	64	0.00
70	T	o-Xylene	1.663	1.609	3.2	66	0.00
71	T	n-Nonane	1.028	0.994	3.3	66	0.00
72	T	1,1,2,2-Tetrachloroethane	0.794	0.744	6.3	67	0.00
73	S	Bromofluorobenzene (SS3)	0.597	0.615	-3.0	75	0.00
74	T	Cumene	2.142	2.036	4.9	65	0.00
75	T	alpha-Pinene	1.139	1.056	7.3	63	0.00
76	T	n-Propylbenzene	2.877	2.732	5.0	66	0.00
77	T	3-Ethyltoluene	2.349	2.239	4.7	67	0.00
78	T	4-Ethyltoluene	2.172	2.106	3.0	66	0.00
79	T	1,3,5-Trimethylbenzene	1.913	1.815	5.1	65	0.00
80	T	alpha-Methylstyrene	1.020	0.867	15.0	63	0.00
81	T	2-Ethyltoluene	2.366	2.250	4.9	65	0.00
82	T	1,2,4-Trimethylbenzene	1.900	1.804	5.1	66	-0.01
83	T	n-Decane	1.108	1.053	5.0	66	0.00
84	T	Benzyl Chloride	1.805	1.583	12.3	64	-0.01
85	T	1,3-Dichlorobenzene	1.007	0.926	8.0	64	0.00
86	T	1,4-Dichlorobenzene	0.977	0.886	9.3	63	0.00
87	T	sec-Butylbenzene	2.519	2.415	4.1	65	0.00
88	T	p-Isopropyltoluene	2.033	1.903	6.4	64	0.00
89	T	1,2,3-Trimethylbenzene	1.854	1.750	5.6	65	0.00
90	T	1,2-Dichlorobenzene	0.939	0.885	5.8	65	0.00
91	T	d-Limonene	0.792	0.696	12.1	64	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.313	0.260	16.9	66	0.00
93	T	n-Undecane	1.035	0.935	9.7	61	0.00
94	T	1,2,4-Trichlorobenzene	0.187	0.159	15.0	60	0.00
95	T	Naphthalene	2.210	1.946	11.9	65	0.00
96	T	n-Dodecane	0.745	0.760	-2.0	67	0.00
97	T	Hexachloro-1,3-butadiene	0.303	0.298	1.7	71	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\14\
Data File : 12140617.D
Acq On : 14 Dec 2006 21:40
Operator : LM
Sample : 25ng TO-15 CCV STD
Misc : S15-12050601/S15-12050606
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 15 08:42:25 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	91	0.00
2	T	Propene	1.223	0.916	25.1	81	0.00
3	T	Dichlorodifluoromethane	2.559	2.084	18.6	80	0.00
4	T	Chloromethane	2.080	1.698	18.4	80	0.00
5	T	Freon 114	0.675	0.586	13.2	88	0.00
6	T	Vinyl Chloride	1.418	1.282	9.6	94	0.00
7	T	1,3-Butadiene	1.375	1.116	18.8	83	0.00
8	T	Bromomethane	1.051	0.880	16.3	86	0.01
9	T	Chloroethane	0.974	0.802	17.7	83	0.00
10	T	Ethanol	0.753	0.773	-2.7	77	0.00
11	T	Acetonitrile	2.237	2.012	10.1	76	0.01
12	T	Acrolein	0.731	0.619	15.3	79	0.01
13	T	Acetone	1.046	0.742	29.1	82	0.00
14	T	Trichlorofluoromethane	1.741	1.484	14.8	81	0.00
15	T	Isopropanol	3.201	2.839	11.3	77	0.01
16	T	Acrylonitrile	1.580	1.421	10.1	79	0.01
17	T	1,1-Dichloroethene	1.172	1.030	12.1	83	0.00
18	T	tert-Butanol	2.959	2.426	18.0	77	0.01
19	T	Methylene Chloride	1.345	1.136	15.5	83	0.01
20	T	Allyl Chloride	1.722	1.461	15.2	76	0.00
21	T	Trichlorotrifluoroethane	0.683	0.546	20.1	94	0.00
22	T	Carbon Disulfide	4.831	4.089	15.4	84	0.00
23	T	trans-1,2-Dichloroethene	1.881	1.571	16.5	79	0.00
24	T	1,1-Dichloroethane	1.910	1.611	15.7	79	0.01
25	T	Methyl tert-Butyl Ether	3.036	2.431	19.9	85	0.00
26	T	Vinyl Acetate	0.253	0.233	7.9	88	0.00
27	T	2-Butanone	0.805	0.704	12.5	84	0.00
28	T	cis-1,2-Dichloroethene	1.761	1.465	16.8	78	0.00
29	T	Diisopropyl Ether	0.832	0.726	12.7	88	0.00
30	T	Ethyl Acetate	0.404	0.334	17.3	82	0.00
31	T	n-Hexane	1.584	1.251	21.0	87	0.00
32	T	Chloroform	1.869	1.587	15.1	82	0.00
33	S	1,2-Dichloroethane-d4(SS1)	1.877	1.704	9.2	84	0.00
34	T	Tetrahydrofuran	0.759	0.656	13.6	85	0.00
35	T	Ethyl tert-Butyl Ether	1.261	1.094	13.2	88	0.00
36	T	1,2-Dichloroethane	1.709	1.394	18.4	78	0.00
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	92	0.00
38	T	1,1,1-Trichloroethane	0.411	0.352	14.4	84	0.00
39	T	Isopropyl Acetate	0.169	0.148	12.4	82	0.00
40	T	1-Butanol	0.202	0.239	-18.3	80	0.00
41	T	Benzene	1.053	0.900	14.5	86	0.00
42	T	Carbon Tetrachloride	0.336	0.299	11.0	84	0.00
43	T	Cyclohexane	0.367	0.318	13.4	89	0.00
44	T	tert-Amyl Methyl Ether	0.728	0.636	12.6	84	0.00
45	T	1,2-Dichloropropane	0.268	0.234	12.7	83	0.00
46	T	Bromodichloromethane	0.361	0.325	10.0	82	0.00
47	T	Trichloroethene	0.238	0.222	6.7	89	0.00
48	T	1,4-Dioxane	0.207	0.195	5.8	85	0.00
49	T	Isooctane	0.987	0.823	16.6	82	0.00
50	T	Methyl Methacrylate	0.102	0.099	2.9	87	0.00
51	T	n-Heptane	0.256	0.220	14.1	84	0.00

LM 12/21/06

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2006_012\14\
Data File : 12140617.D
Acq On : 14 Dec 2006 21:40
Operator : LM
Sample : 25ng TO-15 CCV STD
Misc : S15-12050601/S15-12050606
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 15 08:42:25 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	0.404	11.2	82	0.00
53	T	4-Methyl-2-pentanone	0.246	0.219	11.0	80	0.00
54	T	trans-1,3-Dichloropropene	0.424	0.375	11.6	80	0.00
55	T	1,1,2-Trichloroethane	0.261	0.236	9.6	84	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	88	0.00
57	S	Toluene-d8 (SS2)	2.035	2.046	-0.5	89	0.00
58	T	Toluene	2.041	1.860	8.9	84	0.00
59	T	2-Hexanone	1.166	1.038	11.0	77	0.00
60	T	Dibromochloromethane	0.515	0.494	4.1	83	0.00
61	T	1,2-Dibromoethane	0.549	0.521	5.1	83	0.00
62	T	Butyl Acetate	1.288	1.152	10.6	76	0.00
63	T	n-Octane	0.422	0.375	11.1	81	0.00
64	T	Tetrachloroethene	0.450	0.430	4.4	88	0.00
65	T	Chlorobenzene	1.315	1.236	6.0	85	0.00
66	T	Ethylbenzene	2.390	2.217	7.2	82	0.00
67	T	m- & p-Xylene	1.538	1.433	6.8	82	0.00
68	T	Bromoform	0.319	0.322	-0.9	84	0.00
69	T	Styrene	1.387	1.364	1.7	84	0.00
70	T	o-Xylene	1.663	1.564	6.0	83	0.00
71	T	n-Nonane	1.028	0.898	12.6	77	0.00
72	T	1,1,2,2-Tetrachloroethane	0.794	0.752	5.3	82	0.00
73	S	Bromofluorobenzene (SS3)	0.597	0.663	-11.1	97	0.00
74	T	Cumene	2.142	2.036	4.9	84	0.00
75	T	alpha-Pinene	1.139	1.067	6.3	83	0.00
76	T	n-Propylbenzene	2.877	2.707	5.9	82	0.00
77	T	3-Ethyltoluene	2.349	2.239	4.7	83	0.00
78	T	4-Ethyltoluene	2.172	2.084	4.1	84	0.00
79	T	1,3,5-Trimethylbenzene	1.913	1.818	5.0	83	0.00
80	T	alpha-Methylstyrene	1.020	1.016	0.4	84	0.00
81	T	2-Ethyltoluene	2.366	2.260	4.5	83	0.00
82	T	1,2,4-Trimethylbenzene	1.900	1.804	5.1	83	0.00
83	T	n-Decane	1.108	0.992	10.5	79	0.00
84	T	Benzyl Chloride	1.805	1.759	2.5	81	0.00
85	T	1,3-Dichlorobenzene	1.007	0.974	3.3	86	0.00
86	T	1,4-Dichlorobenzene	0.977	0.955	2.3	85	0.00
87	T	sec-Butylbenzene	2.519	2.407	4.4	84	0.00
88	T	p-Isopropyltoluene	2.033	1.961	3.5	84	0.00
89	T	1,2,3-Trimethylbenzene	1.854	1.750	5.6	83	0.00
90	T	1,2-Dichlorobenzene	0.939	0.909	3.2	85	0.00
91	T	d-Limonene	0.792	0.755	4.7	80	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.313	0.336	-7.3	87	0.00
93	T	n-Undecane	1.035	0.893	13.7	79	0.00
94	T	1,2,4-Trichlorobenzene	0.187	0.186	0.5	89	0.00
95	T	Naphthalene	2.210	2.240	-1.4	87	0.00
96	T	n-Dodecane	0.745	0.634	14.9	81	0.00
97	T	Hexachloro-1,3-butadiene	0.303	0.303	0.0	90	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\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

LM 12/18/06

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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

CMS 12/21/06

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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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COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Project ID: WDI

CAS Project ID: P2603371

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: 12120601.D
Date Analyzed: 12/12/06
Time Analyzed: 08:48

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	24 Hour Standard	405228	9.07	1748189	11.00	978386	15.82
	Upper Limit	567319	9.40	2447465	11.33	1369740	16.15
	Lower Limit	243137	8.74	1048913	10.67	587032	15.49
	Client Sample ID						
01	Method Blank	407436	9.04	1963942	10.98	1037729	15.81
02	Lab Control Sample	393832	9.06	1746786	11.00	968778	15.82
03	Duplicate Lab Control Sample	398397	9.06	1759784	11.00	987629	15.82
04	WDI-VW-29-S-12-06-06	427890	9.04	2048728	10.98	1079455	15.81
05	WDI-VW-29-I-12-06-06	405837	9.04	1559441	10.98	988435	15.81
06	WDI-VW-29-D-12-06-06	417118	9.04	1998216	10.98	1059184	15.81
07							
08							
09							
10							
11							
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13							
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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: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Project ID: **WDI**

CAS Project ID: P2603371

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: 12130601.D
Date Analyzed: 12/13/06
Time Analyzed: 08:30

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	24 Hour Standard	378805	9.06	1653276	11.00	909957	15.82
	Upper Limit	530327	9.39	2314586	11.33	1273940	16.15
	Lower Limit	227283	8.73	991966	10.67	545974	15.49
	Client Sample ID						
01	Method Blank	372053	9.04	1828674	10.98	964246	15.81
02	Lab Control Sample	367321	9.06	1631946	11.00	913174	15.82
03	Duplicate Lab Control Sample	375359	9.06	1649627	11.00	930576	15.82
04	WDI-VW-46-S-12-06-06	384636	9.05	1838488	10.98	1011352	15.82
05	WDI-VW-46-D-12-06-06	362874	9.05	1759912	10.98	971436	15.81
06	WDI-VW-46-D-12-06-06 (Dilution)	389638	9.04	1870573	10.98	1007955	15.81
07	WDI-VW-46-D-12-06-06-SC	401338	9.04	1902502	10.98	1024911	15.81
08	WDI-VW-46-D-12-06-06-SC (Dilution)	370819	9.04	1784247	10.98	968800	15.81
09	WDI-VW-46-I-12-06-06	361359	9.04	1742616	10.98	943856	15.82
10	WDI-VW-46-I-12-06-06 (Lab Duplicate)	351640	9.04	1702454	10.98	921733	15.82
11	WDI-IBM-41-12-06-06 (Dilution)	344251	9.04	1653200	10.98	899571	15.81
12	WDI-IBM-41-12-06-06	345191	9.05	1563894	10.98	858817	15.81
13	WDI-VW-46-S-12-06-06 (Dilution)	334881	9.04	1580180	10.98	863444	15.81
14	WDI-IBM-32-12-06-06	332359	9.05	1578011	10.98	869555	15.82
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: LV Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Project ID: WDI

CAS Project ID: P2603371

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: 12140602.D
Date Analyzed: 12/14/06
Time Analyzed: 10:07

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	24 Hour Standard	308094	9.06	1366325	11.00	764747	15.82
	Upper Limit	431332	9.39	1912855	11.33	1070646	16.15
	Lower Limit	184856	8.73	819795	10.67	458848	15.49
	Client Sample ID						
01	Method Blank	317454	9.04	1492220	10.98	794143	15.81
02	Lab Control Sample	311068	9.07	1454120	11.00	795703	15.82
03	Duplicate Lab Control Sample	325875	9.06	1459499	11.00	822376	15.82
04	WDI-IBM-49-12-06-06	333371	9.05	1595467	10.98	839141	15.82
05	WDI-IBM-49-12-06-06 (Lab Duplicate)	331157	9.05	1593735	10.99	837736	15.82
06	WDI-IBM-21-12-06-06	360614	9.06	1703773	10.99	885875	15.81
07							
08							
09							
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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: M Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Project ID: WDI

CAS Project ID: P2603371

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-32-12-06-06 (Dilution)	363996	9.05	1687111	10.98	878459	15.81
05							
06							
07							
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09							
10							
11							
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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: MJ Date: 12/22/06

	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	Lose 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	
8	12/6/06 16:42	12060608.D	1ng TO-15 ICAL STD	S15-12050601/S15-12050604	LM	1	ICAL ok for all
9	12/6/06 17:17	12060609.D	5ng TO-15 ICAL STD	S15-12050601/S15-12050604	LM	1	compounds 0.5-100ng
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

12/12/06

	Date/Time	File Name	Sample ID	Misc Info	Operator	Vial	Comment	
1	12/11/06 7:22	12110601.D	25ng TO-15 CCV STD	S15-12050601/S15-12050606	LM	1	Passed	
2	12/11/06 8:05	12110602.D	50ng 1,1,1,2-Tetrafluoroethane STD (5.0ml)	S15-12050601/S15-12110602	LM	1	Passed	
3	12/11/06 9:15	12110603.D	TO-15 Method Blank (1000ml)	S15-12050601	LM	1	Passed	
4	12/11/06 10:00	12110604.D	25ng TO-15 LCS STD	S15-12050601/S15-12050608	LM	2	Passed	
5	12/11/06 10:42	12110605.D	P2603310-011 DIL (50ml)	[redacted]0.0,3.5)	LM	6		
6	12/11/06 11:31	12110606.D	P2603310-007 (0.20ml)	[redacted]1.2,3.5)	LM	1		
7	12/11/06 12:14	12110607.D	P2603310-007 (0.60ml)	[redacted]1.2,3.5)	LM	1		
8	12/11/06 12:53	12110608.D	P2603310-007 (0.40ml)	[redacted]0.8,3.5)	LM	1		
9	12/11/06 13:42	12110609.D	P2603310-006 (0.20ml)	[redacted]0.6,3.5)	LM	1		
10	12/11/06 14:30	12110610.D	P2603310-009 (1.50ml)	[redacted].3,3.5)	LM	1		
11	12/11/06 15:06	12110611.D	P2603310-009 dup (1.50ml)	[redacted].3,3.5)	LM	1	Passed as	lab Dup
12	12/11/06 16:02	12110612.D	P2603387-001 (1000ml)	[redacted]-3.6,3.5)	LM	9	Case file, Case	Val ve cleared
13	12/11/06 16:43	12110613.D	P2603387-001 (1000ml)	[redacted].6,3.5)	LM	9		
14	12/11/06 18:21	12110614.D	P2603387-002 (1000ml)	[redacted]2.7,3.5)	LM	10		
15	12/11/06 18:56	12110615.D	P2603387-002 dil (100ml)	[redacted]-2.7,3.5)	LM	10		
16	12/11/06 19:37	12110616.D	P2603387-003 (1000ml)	[redacted]-5.3,3.5)	LM	11		
17	12/11/06 20:17	12110617.D	P2603387-004 (1000ml)	[redacted]5.9,3.5)	LM	12		
18	12/11/06 20:58	12110618.D	P2603376-001 (1000ml)	[redacted].3,3.6)	LM	13		
19	12/11/06 21:34	12110619.D	P2603376-001 dil (100ml)	[redacted]3,3.6)	LM	13		
20	12/11/06 22:10	12110620.D	P2603376-002 (100ml)	[redacted].3,3.6)	LM	14		
21	12/11/06 22:46	12110621.D	P2603376-002 dil (25ml)	[redacted]0.3,3.6)	LM	14		
22	12/11/06 23:26	12110622.D	P2603353-001 (1000ml)	[redacted]-2.2,3.5)	LM	15		
23	12/12/06 0:07	12110623.D	P2603353-002 (1000ml)	[redacted](-2.0,3.6)	LM	16		
24	12/12/06 0:48	12110624.D	P2603353-003 (1000ml)	[redacted]2.0,3.6)	LM	4	Case file, Rerun	
25	12/12/06 1:24	12110625.D	blank(200ml)	rinse system	LM	1		

1	12/12/06 8:48	12120601.D	25ng TO-15 CCV STD	S15-12050601/S15-12050606	LM	1	Passed	
2	12/12/06 10:06	12120602.D	Cas Can QC 12/11/06(1000ml)	AC00942	LM	8	Passed all comp + TICS,	as MB used
3	12/12/06 11:05	12120603.D	1ng TO-15 STD	S15-12050601/S15-12050605	LM	1	Passed	
4	12/12/06 11:49	12120604.D	25ng TO-15 LCS STD	S15-12050601/S15-12050608	LM	2	Passed	
5	12/12/06 12:24	12120605.D	25ng TO-15 LCSD STD	S15-12050601/S15-12050608	LM	2	Passed as	Dup
6	12/12/06 13:28	12120606.D	P2603319-001 (0.50ml)	TRC WDI-GTS-IN-11-30-06 (-3.2,3.5)	LM	1		
7	12/12/06 14:50	12120607.D	P2603319-001 (1000ml)	TRC WDI-GTS-IN-11-30-06 (-3.2,3.5)	LM	8		
8	12/12/06 15:50	12120608.D	P2603319-002 (1000ml)	TRC WDI-GTS-~~IN~~ OUT-11-30-06 (-3.2,3.5)	LM	9		
9	12/12/06 16:43	12120609.D	P2603319-002 dup (1000ml)	TRC WDI-GTS-OUT-11-30-06 (-3.1,3.5)	LM	9	Passed as	Dup
10	12/12/06 17:44	12120610.D	P2603371-001 (1000ml)	TRC WDI-VW-29-S-12-06-06(-3.0,4.0)	LM	9		
11	12/12/06 18:52	12120611.D	P2603371-002 (1000ml)	TRC WDI-VW-29-I-12-06-06 (-3.2,3.5)	LM	10		
12	12/12/06 19:32	12120612.D	P2603371-003 (1000ml)	TRC WDI-VW-29-D-12-06-06 (-3.2,3.5)	LM	11		
13	12/12/06 20:08	12120613.D	25ng TO-15 CCV Std	S15-12050601/S15-12050606	LM	1	Passed	
14	12/12/06 20:49	12120614.D	P2603333-005 (1000ml)	[redacted]-5.1,3.5)	LM	4		
15	12/12/06 21:29	12120615.D	P2603333-006 (1000ml)	[redacted](-4.6,3.5)	LM	5		
16	12/12/06 22:11	12120616.D	P2603333-006 dup (1000ml)	[redacted]4.6,3.5)	LM	5	Passed as	Dup

6

	Date/Time	File Name	Sample ID	Misc Info	Operator	Vial	Comment
17	12/12/06 22:51	12120617.D	P2603333-007 (1000ml)	[redacted]5.8,3.5)	LM	6	
18	12/12/06 23:32	12120618.D	P2603333-008 (1000ml)	[redacted]0,3.5)	LM	7	
19	12/13/06 0:12	12120619.D	P2603317-005 (1000ml)	[redacted]4.6,3.5)	LM	8	
20	12/13/06 0:53	12120620.D	P2603317-006 (1000ml)	[redacted]5.0,3.5)	LM	9	
21	12/13/06 1:33	12120621.D	P2603317-007 (1000ml)	[redacted]4.5,3.5)	LM	12	
22	12/13/06 2:14	12120622.D	P2603317-008 (1000ml)	[redacted]4.2,3.5)	LM	13	
23	12/13/06 2:51	12120623.D	P2603353-001 dil (50ml)	[redacted]2.2,3.5)	LM	14	Carefill, Do not match
24	12/13/06 3:27	12120624.D	P2603353-002 dil (100ml)	[redacted]2.0,3.6)	LM	15	
25	12/13/06 4:03	12120625.D	P2603353-003 dil (100ml)	[redacted]2.5,3.6)	LM	16	
26	12/13/06 4:39	12120626.D	blank (100ml)	rinse system	LM	1	

	Date/Ti
1	12/14/06
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4	12/14/06
5	12/14/06
6	12/14/06
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17	12/14/0
18	12/14/0
19	12/14/0
20	12/14/0
21	12/15/
22	12/15
23	12/15
24	12/15

1	12/13/06 8:30	12130601.D	25ng TO-15 CCV STD	S15-12050601/S15-12050606	LM	1	Passed
2	12/13/06 9:29	12130602.D	TO-15 Method Blank (1000ml)	S15-12050601	LM	1	Passed
3	12/13/06 10:16	12130603.D	1ng TO-15 CCV STD	S15-12050601/S15-12050604	LM	1	Passed
4	12/13/06 11:03	12130604.D	25ng TO-15 LCS STD	S15-12050601/S15-12050608	LM	2	Passed
5	12/13/06 11:39	12130605.D	25ng TO-15 LCSD STD	S15-12050601/S15-12050608	LM	2	Passed
6	12/13/06 12:44	12130606.D	P2603371-004 (1000ml)	TRC WDI-VW-46-S-12-06-06 (-1.7,3.5)	LM	4	
7	12/13/06 13:24	12130607.D	P2603371-005 (1000ml)	TRC WDI-VW-46-D-12-06-06 (-1.9,3.6)	LM	5	
8	12/13/06 14:08	12130608.D	P2603371-005 dil (10ml)	TRC WDI-VW-46-D-12-06-06 (-1.9,3.6)	LM	1	
9	12/13/06 14:50	12130609.D	P2603371-006 (25ml)	TRC WDI-VW-46-D-12-06-06-SC (0.9,3.5)	LM	6	
10	12/13/06 15:26	12130610.D	P2603371-006 dil (10ml)	TRC WDI-VW-46-D-12-06-06-SC (0.9,3.5)	LM	1	
11	12/13/06 16:02	12130611.D	P2603371-007 (20ml)	TRC WDI-VW-46-I-12-06-06 (-1.9,3.5)	LM	1	
12	12/13/06 16:39	12130612.D	P2603371-007 dup (20ml)	TRC WDI-VW-46-I-12-06-06 (-1.9,3.5)	LM	1	Passed as Dup
13	12/13/06 17:16	12130613.D	P2603371-008 (5.0ml)	TRC WDI-IBM-41-I-12-06-06 (-2.7,3.5)	LM	1	
14	12/13/06 18:24	12130614.D	P2603371-008 (100ml)	TRC WDI-IBM-41-I-12-06-06 (-2.7,3.5)	LM	2	
15	12/13/06 19:00	12130615.D	P2603371-004 dil (100ml)	TRC WDI-VW-46-S-12-06-06 (-1.7,3.5) LM 12/21/06	LM	4	
16	12/13/06 19:40	12130616.D	P2603371-009 (1000ml)	TRC WDI-IBM-32-12-06-06 (-2.5,3.5) LM 12/21/06	LM	11	
17	12/13/06 20:16	12130617.D	25ng TO-15 CCV STD	S15-12050601/S15-12050606	LM	1	Passed
18	12/13/06 20:51	12130618.D	P2603284-003 dil (100ml)	[redacted]-1.3,3.5)	LM	5	
19	12/13/06 21:27	12130619.D	P2603411-002(0.03ml)	[redacted]	LM	6	
20	12/13/06 22:02	12130620.D	P2603411-003(0.005ml)	[redacted]	LM	7	
21	12/13/06 22:38	12130621.D	P2603411-007(0.01ml)	[redacted]	LM	8	
22	12/13/06 23:13	12130622.D	P2603411-008(0.005ml)	[redacted]	LM	9	
23	12/13/06 23:49	12130623.D	P2603411-009 (0.01ml) LM 12/28/06	[redacted]	LM	10	
24	12/14/06 0:25	12130624.D	P2603411-009(0.005ml) LM 12/28/06	[redacted]	LM	11	Carefile, use the higher Vol
25	12/14/06 8:27	12130625.D	blank (100ml)	rinse	LM	1	

1	12/15/0
2	12/15/0
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5	12/15/0
6	12/15/0
7	12/15/0
8	12/15/0
9	12/15/0
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11	12/15/
12	12/15/
13	12/15/
14	12/15/
15	12/15/
16	12/15
17	12/15

LM 12/18/06 -

	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	Trichloroethylene and methylene chloride [illegible]
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, Chain of custody
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	P2603~~311~~406-001 (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	P2603~~311-001~~ 3406-001 (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

	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].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	15	
26	12/16/06 4:02	12150626.D	P2603396-002 (1000ml)	[redacted](-2.8,3.5)	LM	14	
27	12/16/06 4:38	12150627.D	P2603311-001 (100ml)	[redacted](0.3,3.5)	LM	2	
28	12/16/06 5:14	12150628.D	blank(100ml)	rinse	LM	1	

	Date/T
1	12/19/0
2	12/19/0
3	12/19/0
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6	12/19/0
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15	12/19/0
16	12/19/0
17	12/19/0
18	12/19/0
19	12/19/0
20	12/19/0
21	12/20/
22	12/20/
23	12/20/
24	12/20

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	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	7	
16	12/18/06 20:50	12180616.D	P2603399-003 (1000ml)	[redacted]-2.9,3.8)	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	

1	12/20
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10	12/20
11	12/20
12	12/20
13	12/20
14	12/20
15	12/20
16	12/20

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-41-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-008

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: AC00937

Date Collected: 12/6/06
Date Received: 12/7/06
Date(s) Analyzed: 12/18/06
Volume(s) Analyzed: 0.020 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
75-01-4	Vinyl Chloride	ND	1.9	ND	0.74	
106-93-4	1,2-Dibromoethane	ND	1.9	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: MS Date: 12/28/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-32-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-009

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: AC01214

Date Collected: 12/6/06
Date Received: 12/7/06
Date(s) Analyzed: 12/18/06
Volume(s) Analyzed: 0.70 Liter(s)

Pi 1 = -2.5 Pf 1 = 3.6

Can D.F. = 1.50

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-01-4	Vinyl Chloride	**0.078**	0.054	**0.031**	0.021	
106-93-4	1,2-Dibromoethane	ND	0.054	ND	0.0070	

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: MW Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-32-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-009DUP

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: AC01214

Date Collected: 12/6/06
Date Received: 12/7/06
Date(s) Analyzed: 12/18/06
Volume(s) Analyzed: 0.70 Liter(s)

Pi 1 = -2.5 Pf 1 = 3.6

Can D.F. = 1.50

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-01-4	Vinyl Chloride	**0.079**	0.054	**0.031**	0.021	
106-93-4	1,2-Dibromoethane	ND	0.054	ND	0.0070	

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: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-49-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-010

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: AC01101

Date Collected: 12/6/06
Date Received: 12/7/06
Date(s) Analyzed: 12/18/06
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.3 Pf 1 = 3.5

Can D.F. = 1.47

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-01-4	Vinyl Chloride	ND	0.037	ND	0.014	
106-93-4	1,2-Dibromoethane	ND	0.037	ND	0.0048	

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: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-IBM-21-12-06-06**
Client Project ID: **WDI**

CAS Project ID: P2603371
CAS Sample ID: P2603371-011

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: AC01106

Date Collected: 12/6/06
Date Received: 12/7/06
Date(s) Analyzed: 12/18/06
Volume(s) Analyzed: 0.10 Liter(s)

Pi 1 = -3.6 Pf 1 = 3.6

Can D.F. = 1.65

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-01-4	Vinyl Chloride	ND	0.41	ND	0.16	
106-93-4	1,2-Dibromoethane	ND	0.41	ND	0.054	

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: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2603371
CAS Sample ID: P061218-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: 12/18/06
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
75-01-4	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: MW Date: 12/22/06

03371VOA.RD1 - MBlank

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Project ID: **WDI**

CAS Project ID: P2603371

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: 12/6/06
Date Received: 12/7/06
Date Analyzed: 12/18/06

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	P061218-MB	**98**	80-120	**94**	80-120	**104**	80-120	
Lab Control Sample	P061218-LCS	**109**	80-120	**94**	80-120	**104**	80-120	
Duplicate Lab Control Sample	P061218-DLCS	**99**	80-120	**93**	80-120	**105**	80-120	
WDI-IBM-41-12-06-06	P2603371-008	**97**	80-120	**93**	80-120	**94**	80-120	
WDI-IBM-32-12-06-06	P2603371-009	**99**	80-120	**94**	80-120	**108**	80-120	
WDI-IBM-32-12-06-06	P2603371-009DUP	**99**	80-120	**94**	80-120	**109**	80-120	
WDI-IBM-49-12-06-06	P2603371-010	**101**	80-120	**94**	80-120	**108**	80-120	
WDI-IBM-21-12-06-06	P2603371-011	**94**	80-120	**94**	80-120	**99**	80-120	

Verified By: MJ Date: 12/22/06

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2603371
CAS Sample ID: P061218-LCS, P061218-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: 12/18/06
Volume(s) Analyzed: NA

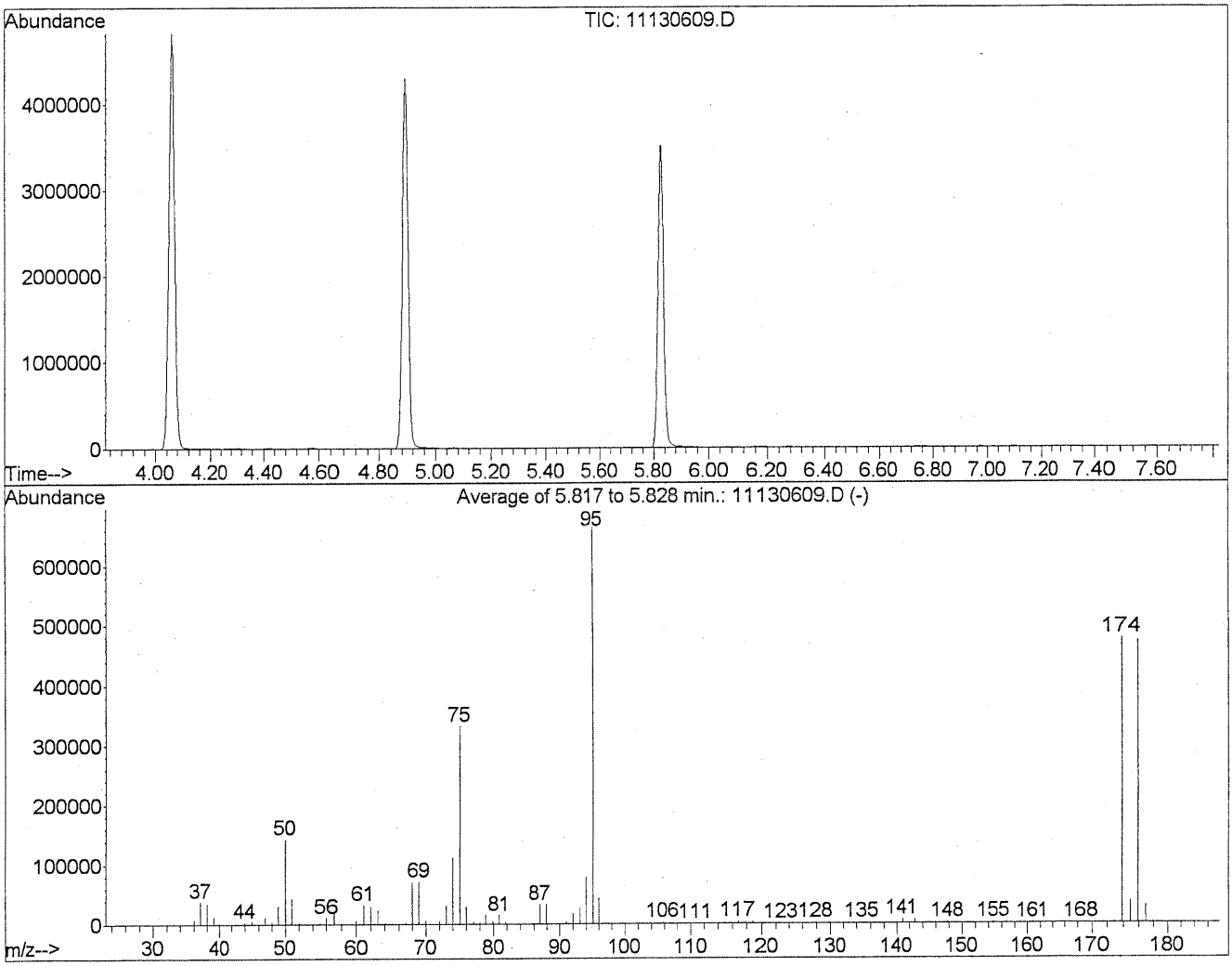
Compound	Spike Amt LCS/DLCS pg	Result LCS pg	Result DLCS pg	% Recovery LCS	% Recovery DLCS	Acceptance Limits	RPD	RPD Limit %	Data Qualifier
Vinyl Chloride	495	494	509	**100**	**103**	65-135	**3**	35	
1,2-Dibromoethane	520	525	527	**101**	**101**	65-135	**0**	35	

Verified By: MW Date: 12/28/06

BFB

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

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



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

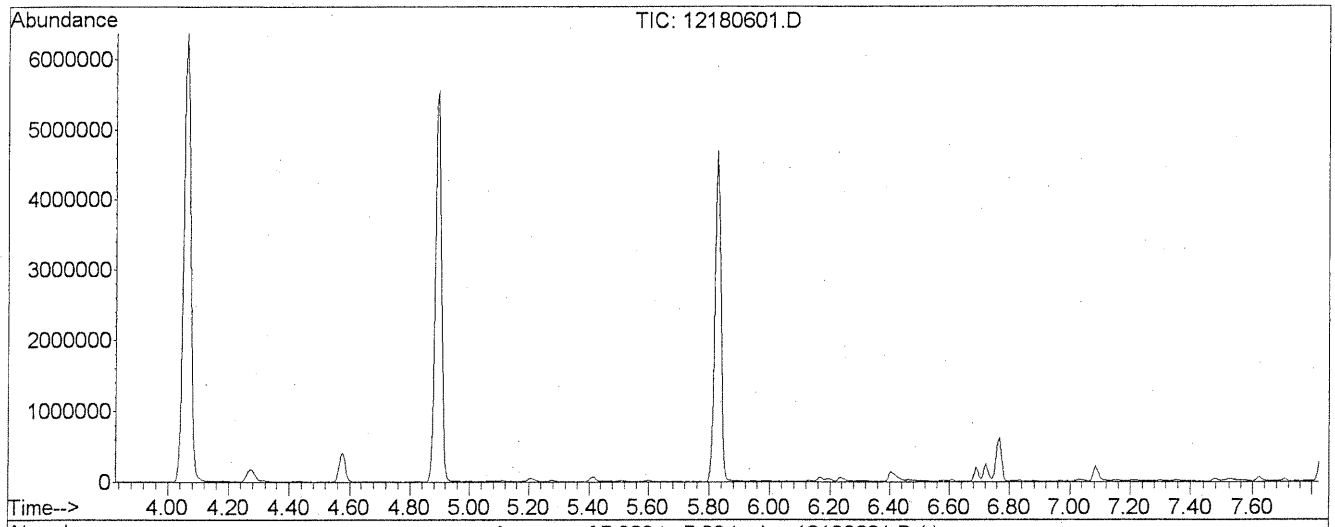
11130609.D X7111306.M Mon Nov 13 18:14:57 2006 MSD7

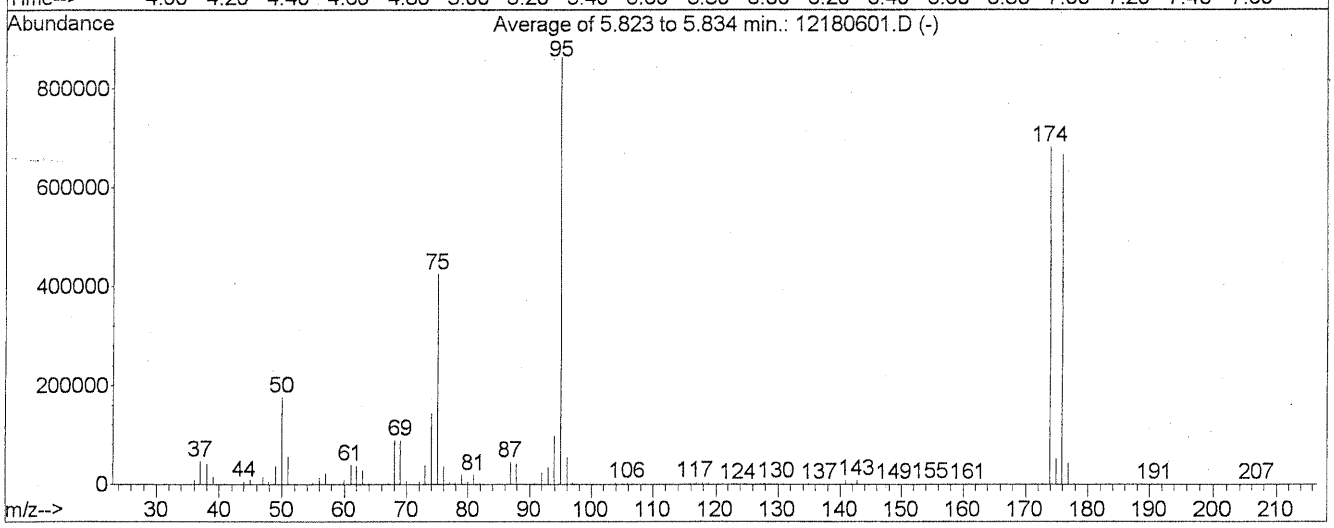
MS 11/14/06

BFB

Data File : J:\MS07\DATA\2006_12\18\12180601.D
Acq On : 18 Dec 2006 9:45
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 491

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	20.3	175680	PASS
75	95	30	66	49.2	424533	PASS
95	95	100	100	100.0	863573	PASS
96	95	5	9	6.3	54530	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	79.0	682432	PASS
175	174	4	9	7.7	52277	PASS
176	174	93	101	97.7	666624	PASS
177	176	5	9	6.5	43056	PASS

12180601.D X7111306.M Mon Dec 18 18:27:06 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\18\12180603.D Vial: 2
Acq On : 18 Dec 2006 10:38 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	104	0.00
2	T	Dichlorodifluoromethane	3.083	2.955	4.2	100	0.00
3	T	Chloromethane	0.950	0.995	-4.7	105	0.00
4	T	Vinyl Chloride	2.613	2.602	0.4	105	0.00
5	T	Chloroethane	1.265	1.256	0.7	104	0.00
6	T	Acetone	2.115	3.208	-51.7#	159	0.00
7	T	1,1-Dichloroethene	1.281	1.286	-0.4	104	0.00
8	T	Methylene Chloride	1.442	1.474	-2.2	101	0.00
9	T	Trichlorotrifluoroethane	1.165	1.141	2.1	102	0.00
10	T	trans-1,2-Dichloroethene	1.392	1.393	-0.1	99	0.00
11	T	1,1-Dichloroethane	2.557	2.413	5.6	87	0.00
12	T	Methyl tert-Butyl Ether	3.984	4.370	-9.7	104	0.00
13	T	cis-1,2-Dichloroethene	1.416	1.436	-1.4	100	0.00
14	T	Chloroform	2.158	2.622	-21.5	118	0.00
15	S	1,2-Dichloroethane-d4 (SS1)	2.112	1.998	5.4	98	0.00
16	T	1,2-Dichloroethane	1.915	1.911	0.2	98	0.00
17	T	1,1,1-Trichloroethane	2.107	2.160	-2.5	102	0.00
18	T	Benzene	7.183	9.204	-28.1	135	0.00
19	T	Carbon Tetrachloride	1.593	1.749	-9.8	107	0.00
20	I	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	101	0.00
21	T	1,2-Dichloropropane	0.300	0.297	1.0	98	0.00
22	T	Trichloroethene	0.253	0.247	2.4	104	0.00
23	T	1,4-Dioxane	0.185	0.192	-3.8	112	0.00
24	T	cis-1,3-Dichloropropene	0.400	0.429	-7.2	104	0.00
25	T	1,1,2-Trichloroethane	0.215	0.217	-0.9	102	0.00
26	S	Toluene-d8 (SS2)	1.149	1.081	5.9	96	0.00
27	T	Toluene	1.155	1.149	0.5	102	0.00
28	T	1,2-Dibromoethane	0.245	0.257	-4.9	102	0.00
29	T	Tetrachloroethene	0.241	0.248	-2.9	102	0.00
30	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	104	0.00
31	T	Chlorobenzene	1.259	1.286	-2.1	105	0.00
32	T	Ethylbenzene	2.388	2.342	1.9	102	0.00
33	T	m-&-p-Xylene	1.509	1.463	3.0	102	0.00
34	T	o-Xylene	1.617	1.616	0.1	102	0.00
35	T	1,1,2,2-Tetrachloroethane	0.763	0.764	-0.1	101	0.00
36	S	Bromofluorobenzene (SS3)	0.676	0.711	-5.2	109	0.00
37	T	1,3-Dichlorobenzene	0.935	0.978	-4.6	105	0.00
38	T	1,4-Dichlorobenzene	0.945	0.958	-1.4	106	0.00
39	T	1,2-Dichlorobenzene	0.877	0.919	-4.8	105	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : J:\MS07\DATA\2006_12\18\12180603.D Vial: 2
Acq On : 18 Dec 2006 10:38 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	0.581	-2.1	112	0.00
41	T	Naphthalene	1.563	1.891	-21.0	122	0.00
42	T	Hexachlorobutadiene	0.345	0.371	-7.5	110	0.00

Evaluate Continuing Calibration Report

Data File : J:\MS07\DATA\2006_12\18\12180608.D Vial: 2
Acq On : 18 Dec 2006 12:55 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)
1	I	Bromochloromethane (IS1)	1.000	1.000	0.0	99	0.01
2	T	Dichlorodifluoromethane	3.083	3.502	-13.6	99	0.00
3	T	Chloromethane	0.950	2.102	-121.3#	0#	0.01
4	T	Vinyl Chloride	2.613	2.762	-5.7	93	0.01
5	T	Chloroethane	1.265	1.424	-12.6	102	0.00
6	T	Acetone	2.115	63.365	-2896.0#	0#	0.00
7	T	1,1-Dichloroethene	1.281	1.365	-6.6	102	0.01
8	T	Methylene Chloride	1.442	4.821	-234.3#	0#	0.01
9	T	Trichlorotrifluoroethane	1.165	1.262	-8.3	100	0.00
10	T	trans-1,2-Dichloroethene	1.392	1.286	7.6	90	0.02
11	T	1,1-Dichloroethane	2.557	2.213	13.5	102	0.00
12	T	Methyl tert-Butyl Ether	3.984	5.009	-25.7	128	0.05
13	T	cis-1,2-Dichloroethene	1.416	1.468	-3.7	101	0.01
14	T	Chloroform	2.158	5.296	-145.4#	0#	0.00
15	S	1,2-Dichloroethane-d4 (SS1)	2.112	2.032	3.8	92	0.00
16	T	1,2-Dichloroethane	1.915	1.971	-2.9	99	0.01
17	T	1,1,1-Trichloroethane	2.107	2.257	-7.1	108	0.00
18	T	Benzene	7.183	86.180	-1099.8#	0#	0.00
19	T	Carbon Tetrachloride	1.593	1.847	-15.9	135	0.00
20	I	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	99	0.00
21	T	1,2-Dichloropropane	0.300	0.288	4.0	96	0.01
22	T	Trichloroethene	0.253	0.328	-29.6	126	0.01
23	T	1,4-Dioxane	0.185	0.222	-20.0	104	0.12
24	T	cis-1,3-Dichloropropene	0.400	0.347	13.3	96	0.02
25	T	1,1,2-Trichloroethane	0.215	0.220	-2.3	99	0.01
26	S	Toluene-d8 (SS2)	1.149	1.065	7.3	92	0.00
27	T	Toluene	1.155	1.573	-36.2#	114	0.00
28	T	1,2-Dibromoethane	0.245	0.235	4.1	96	0.03
29	T	Tetrachloroethene	0.241	0.249	-3.3	105	0.00
30	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	99	0.00
31	T	Chlorobenzene	1.259	2.041	-62.1#	163	0.00
32	T	Ethylbenzene	2.388	2.515	-5.3	102	0.00
33	T	m-&-p-Xylene	1.509	1.682	-11.5	110	0.02
34	T	o-Xylene	1.617	1.736	-7.4	106	0.00
35	T	1,1,2,2-Tetrachloroethane	0.763	0.854	-11.9	111	0.01
36	S	Bromofluorobenzene (SS3)	0.676	0.687	-1.6	102	0.00
37	T	1,3-Dichlorobenzene	0.935	1.086	-16.1	120	0.01
38	T	1,4-Dichlorobenzene	0.945	1.077	-14.0	111	0.01
39	T	1,2-Dichlorobenzene	0.877	1.082	-23.4	126	0.00

(#) = Out of Range

Br 12/18/06

Evaluate Continuing Calibration Report

Data File : J:\MS07\DATA\2006_12\18\12180608.D Vial: 2
Acq On : 18 Dec 2006 12:55 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	0.916	-61.0#	131	0.01
41	T	Naphthalene	1.563	3.926	-151.2#	0#	0.01
42	T	Hexachlorobutadiene	0.345	0.619	-79.4#	0#	0.00

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

Evaluate Continuing Calibration Report

Data File : J:\MS07\DATA\2006_12\18\12180614.D
Acq On : 18 Dec 2006 17:02
Sample : 500pg TO-15/SIM CCV std
Misc : S15-12050609/S15-12050610
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	102	0.01
2	T	Dichlorodifluoromethane	3.083	2.942	4.6	97	0.00
3	T	Chloromethane	0.950	0.936	1.5	97	0.00
4	T	Vinyl Chloride	2.613	2.554	2.3	101	0.00
5	T	Chloroethane	1.265	1.222	3.4	100	0.00
6	T	Acetone	2.115	2.486	-17.5	121	0.00
7	T	1,1-Dichloroethene	1.281	1.273	0.6	101	0.00
8	T	Methylene Chloride	1.442	1.434	0.6	97	0.01
9	T	Trichlorotrifluoroethane	1.165	1.125	3.4	98	0.00
10	T	trans-1,2-Dichloroethene	1.392	1.375	1.2	96	0.01
11	T	1,1-Dichloroethane	2.557	2.397	6.3	84	0.00
12	T	Methyl tert-Butyl Ether	3.984	4.138	-3.9	97	0.00
13	T	cis-1,2-Dichloroethene	1.416	1.421	-0.4	97	0.01
14	T	Chloroform	2.158	2.168	-0.5	95	0.00
15	S	1,2-Dichloroethane-d4 (SS1)	2.112	1.977	6.4	95	0.00
16	T	1,2-Dichloroethane	1.915	1.873	2.2	95	0.00
17	T	1,1,1-Trichloroethane	2.107	2.084	1.1	97	0.00
18	T	Benzene	7.183	7.243	-0.8	105	0.00
19	T	Carbon Tetrachloride	1.593	1.620	-1.7	97	0.00
20	I	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	101	0.00
21	T	1,2-Dichloropropane	0.300	0.290	3.3	95	0.00
22	T	Trichloroethene	0.253	0.238	5.9	100	0.00
23	T	1,4-Dioxane	0.185	0.182	1.6	106	0.00
24	T	cis-1,3-Dichloropropene	0.400	0.407	-1.7	98	0.00
25	T	1,1,2-Trichloroethane	0.215	0.208	3.3	97	0.00
26	S	Toluene-d8 (SS2)	1.149	1.062	7.6	94	0.00
27	T	Toluene	1.155	1.125	2.6	100	0.00
28	T	1,2-Dibromoethane	0.245	0.247	-0.8	98	0.00
29	T	Tetrachloroethene	0.241	0.242	-0.4	99	0.00
30	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	100	0.00
31	T	Chlorobenzene	1.259	1.298	-3.1	101	0.00
32	T	Ethylbenzene	2.388	2.362	1.1	99	0.00
33	T	m-&-p-Xylene	1.509	1.468	2.7	98	0.00
34	T	o-Xylene	1.617	1.627	-0.6	98	0.00
35	T	1,1,2,2-Tetrachloroethane	0.763	0.765	-0.3	97	0.00
36	S	Bromofluorobenzene (SS3)	0.676	0.709	-4.9	104	0.00
37	T	1,3-Dichlorobenzene	0.935	0.983	-5.1	101	0.00
38	T	1,4-Dichlorobenzene	0.945	0.954	-1.0	101	0.00
39	T	1,2-Dichlorobenzene	0.877	0.917	-4.6	100	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : J:\MS07\DATA\2006_12\18\12180614.D
Acq On : 18 Dec 2006 17:02
Sample : 500pg TO-15/SIM CCV std
Misc : S15-12050609/S15-12050610
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)
40	T	1,2,4-Trichlorobenzene	0.569	0.552	3.0	102	0.00
41	T	Naphthalene	1.563	1.701	-8.8	105	0.00
42	T	Hexachlorobutadiene	0.345	0.351	-1.7	100	0.00

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Project ID: **WDI**

CAS Project ID: P2603371

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: 12180603.D
Date Analyzed: 12/18/06
Time Analyzed: 10:38

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	24 Hour Standard	36614	4.94	198593	6.26	106407	9.85
	Upper Limit	51260	5.27	278030	6.59	148970	10.18
	Lower Limit	21968	4.61	119156	5.93	63844	9.52
	Client Sample ID						
01	Method Blank	33376	4.95	199376	6.27	106114	9.85
02	Lab Control Sample	30999	4.94	193955	6.26	102445	9.84
03	Duplicate Lab Control Sample	33824	4.94	191873	6.26	100021	9.85
04	WDI-IBM-49-12-06-06	37326	4.95	203149	6.26	105635	9.85
05	WDI-IBM-32-12-06-06	36541	4.95	197150	6.26	97564	9.85
06	WDI-IBM-41-12-06-06	34822	4.95	190889	6.27	103237	9.85
07	WDI-IBM-32-12-06-06 (Lab Duplicate)	36743	4.95	199068	6.26	97127	9.85
08	WDI-IBM-21-12-06-06	36378	4.94	190262	6.26	99892	9.85
09							
10							
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: pu Date: 12/22/06

	Date/Time	File Name	Sample ID	Misc Info	Operator	Vial	Comment
24.	11/10/06 23:44	11100624.D	blank pos C (200ml)		AB	1	
25	11/11/06 0:12	11100625.D	blank pos C (200ml)		AB	1	
26	11/11/06 0:40	11100626.D	blank pos C (200ml)		AB	1	Benzene ~ 50 pg
1	11/11/06 10:27	11110601.D	blank (100ml)		AB	2	Benzene ~ 50 pg
2	11/11/06 10:54	11110602.D	blank (100ml)		AB	2	
3	11/11/06 11:22	11110603.D	blank (100ml)		AB	2	
4	11/11/06 11:50	11110604.D	blank (100ml)		AB	2	
5	11/11/06 12:18	11110605.D	blank (100ml)		AB	2	
1	11/13/06 9:01	11130601.D	blank (100ml)	pos. C	AB	2	
2	11/13/06 9:35	11130602.D	blank (100ml)	pos. C	AB	3	
3	11/13/06 10:30	11130603.D	IS/SURR check	pos. C S15-11130601	AB	4	
4	11/13/06 11:25	11130604.D	100pg std	S15-11130601/S15-11060603	AB	2	
5	11/13/06 11:53	11130605.D	10pg std	S15-11130601/S15-11060604	AB	2	
6	11/13/06 12:21	11130606.D	2000pg std	S15-11130601/S15-10260603	AB	2	
7	11/13/06 12:49	11130607.D	blank (200ml)		AB	2	
8	11/13/06 13:18	11130608.D	blank (200ml)		AB	2	
9	11/13/06 13:43	11130609.D	25ng BFB		AB	2	Passed
10	11/13/06 14:10	11130610.D	10pg TO-15/SIM ICAL std	S15-11130601/S15-11060604	AB	2	Total Good for all CMPD
11	11/13/06 14:38	11130611.D	25pg TO-15/SIM ICAL std	S15-11130601/S15-11060604	AB	3	- See folder
12	11/13/06 15:07	11130612.D	100pg TO-15/SIM ICAL std	S15-11130601/S15-11060603	AB	4	
13	11/13/06 15:35	11130613.D	250pg TO-15/SIM ICAL std	S15-11130601/S15-11060603	AB	5	
14	11/13/06 16:06	11130614.D	500pg TO-15/SIM ICAL std	S15-11130601/S15-11060603	AB	6	
15	11/13/06 16:33	11130615.D	1000pg TO-15/SIM ICAL std	S15-11130601/S15-11060603	AB	7	
16	11/13/06 17:02	11130616.D	2500pg TO-15/SIM ICAL std	S15-11130601/S15-11060603	AB	8	
17	11/13/06 17:30	11130617.D	10000pg TO-15/SIM ICAL std	S15-11130601/S15-10260603	AB	9	
18	11/13/06 17:58	11130618.D	500pg TO-15/SIM ICV std	S15-11130601/S15-10160607	AB	2	Passed.

	Date/Time	File Name	Sample ID	Misc Info	Operator	Vial	Comment
	12/18/06 9:45	12180601.D	25ng BFB		AB	1	PASSED
2	12/18/06 10:10	12180602.D	Blank (100ml)		AB	2	
3	12/18/06 10:38	12180603.D	500pg TO-15/SIM CCV std	S15-12050609/S15-12050610	AB	2	PASSED, ACETONE BIASED HIGH
4	12/18/06 11:14	12180604.D	TO-15/SIM Method Blank (1000ml)	S15-12050609	AB	2	PASSED NO 12180605.d POS. & RAN WRONG
5	12/18/06 11:52	12180606.D	500pg TO-15/SIM LCS ~~Dup~~ [illegible]	S15-12050609/S15-12120601	AB	4	PASSED Acetone, MTBE, chloroform BIASED HI
6	12/18/06 12:21	12180607.D	500pg TO-15/SIM LCS Dup	S15-12050609/S15-12120601	AB	4	PASSED AS DUP
7	12/18/06 12:55	12180608.D	25pg CRQL std	S15-12050609/S15-12050611	AB	2	MRL check TRC
8	12/18/06 14:36	12180609.D	P2603371-010 (1000ml)	TRC WDI-IBM-49-12-06-06 (-2.3, 3.5)	AB	9	
9	12/18/06 15:06	12180610.D	P2603371-009 (700ml)	TRC WDI-IBM-32-12-06-06 (-2.5, 3.6)	AB	10	
10	12/18/06 15:33	12180611.D	P2603371-008 (20ml)	TRC WDI-IBM-41-12-06-06 (-2.7, 3.5)	AB	11	
11	12/18/06 16:04	12180612.D	P2603371-009 Dup (700ml)	TRC WDI-IBM-32-12-06-06 (-2.5, 3.6)	AB	10	PASSED AS DUP
12	12/18/06 16:32	12180613.D	P2603371-011 (100ml)	TRC WDI-IBM-21-12-06-06 (-3.6, 3.6)	AB	12	
13	12/18/06 17:02	12180614.D	500pg TO-15/SIM CCV std	S15-12050609/S15-12050610	AB	2	PASSED CLOSING CCV (TRC)
14	12/18/06 18:43	12180615.D	P2603412-001 (1000ml)	[redacted]	AB	5	
15	12/18/06 19:15	12180616.D	P2603412-002 (1000ml)	[redacted]	AB	6	
16	12/18/06 19:48	12180617.D	P2603412-004 (1000ml)	[redacted]	AB	7	
17	12/18/06 20:21	12180618.D	P2603412-006 (1000ml)	[redacted]	AB	8	
18	12/18/06 20:55	12180619.D	P2603412-007 (1000ml)	[redacted]	AB	9	
19	12/18/06 21:28	12180620.D	P2603412-008 (1000ml)	[redacted]	AB	10	
20	12/18/06 22:00	12180621.D	P2603412-010 (1000ml)	[redacted]	AB	11	
21	12/18/06 22:32	12180622.D	P2603412-011 (1000ml)	[redacted]	AB	12	
22	12/18/06 23:05	12180623.D	P2603412-012 (1000ml)	[redacted]	AB	13	
23	12/18/06 23:39	12180624.D	P2603412-015 (1000ml)	[redacted]	AB	14	
24	12/19/06 0:07	12180625.D	P2603412-017 DIL (100ml)	[redacted]	AB	15	
25	12/19/06 0:36	12180626.D	Blank (100ml)		AB	2	
26	12/19/06 1:09	12180627.D	[redacted]an QC1 dr 12/18/06 (1000ml)	K659	AB	16	PASSED

nment
SED
ED
ED
ED
ED
PASSED AS MB
SED
ED AS DUP
/PASSED [redacted]
ED
[redacted]
[redacted]
dil not needed
AS DUP
dil not needed
dil not needed
AS DUP
dil not needed
dil not needed
[redacted] CLOSING CC

Columbia Analytical Services, Inc.
Sample Acceptance Check Form

Client: TRC Work order: P2603371

Project: WDI

Sample(s) received on: 12/7/06 Date opened: 12/7/06 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
P2603371-001			NA	
P2603371-002			NA	
P2603371-003			NA	
P2603371-004			NA	
P2603371-005			NA	
P2603371-006			NA	
P2603371-007			NA	
P2603371-008			NA	
P2603371-009			NA	
P2603371-010			NA	

Explain any discrepancies: (include lab sample ID numbers): _____

Columbia Analytical Services, Inc.
Sample Acceptance Check Form

Client: TRC Work order: P2603371

Project: WDI

Sample(s) received on: 12/7/06 Date opened: 12/7/06 by: MZ

Lab Sample ID	Required pH (as received, if required)	pH (as received, if required)	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P2603371-011			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. P2603371

CAS Contact

Company Name & Address (Reporting Information)
TRC
21 W. TECHNOLOGY DR.
IRVINE, CA. 92618

Project Name: WDI

Project Number

Project Manager: YASSER FAHMY

P.O. # / Billing Information

Phone: (949) 727-9336 Fax: (949) 753-0141

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 25 C MODIFIED (TOTAL METHANE ORGANIC CARBON)	EPA 3C MODIFIED (METHANE)		Comments e.g. Actual Preservative or specific instructions
WDI-VW-29-S-12-06-06	1 -6.1	12-06-06	1558	AIR	SC00365	6V-.05-040	6L	X	X	X		
WDI-VW-29-I-12-06-06	2 -6.6	12-06-06	1558	AIR	SC00581	6V-0.5-099	6L	X	X	X		
WDI-VW-29-D-12-06-06	3 -6.6	12-06-06	1558	AIR	SC00225	6V-0.5-056	6L	X	X	X		
WDI-VW-46-S-12-06-06	4 -3.5	12-06-06	1841	AIR	SC00842	6V-0.5-122	6L	X	X	X		
WDI-VW-46-D-12-06-06	5 -3.9	12-06-06	1841	AIR	SC00759	6V-0.5-086	6L	X	X	X		
WDI-VW-46-D-12-06-06-SC	6 +0.9	12-06-06	1841	AIR	SC00713	6V-0.5-069	6L	X	X	X		
WDI-VW-46-I-12-06-06	7 -3.9	12-06-06	1841	AIR	SC00097	6V-0.5-009	6L	X	X	X		
WDI-IBM-41-12-06-06	8 -5.5	12-06-06	0843	AIR	AC00937	FC00559	6L	X	X	X		
WDI-IBM-32-12-06-06	9 -5.0	12-06-06	0924	AIR	AC01214	FC00385	6L	X	X	X		
WDI-IBM-49-12-06-06	10 -4.7	12-06-06	0948	AIR	AC01101	FC00330	6L	X	X	X		
WDI-IBM-21-12-06-06	11 -7.4	12-06-06	0816	AIR	AC01106	FC00350	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:	Time:	Received by: (Signature)	Date:	Time:
Steven Crawford	12-7-06	1151	Ultimars	12/7/06	1151
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank 12749
Temperature ____ °C 10820