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

April 6, 2007

Mr. Anand Helekar
TRC
21 Technology Drive
Irvine, CA 92618

RE: P2700710
WDI

Dear Mr. Helekar:

Enclosed are the results of the sample(s) submitted to our laboratory on March 14, 2007. For your reference, these analyses have been assigned our service request number P2700710.

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 133 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:	04/06/07
Address:	21 Technology Drive	Date Received:	03/14/07
	Irvine, CA 92618	CAS Project No:	P2700710
Contact:	Mr. Anand Helekar	Purchase Order:	IRV-804336

Client Project ID: WDI

Fifteen (15) Stainless Steel Summa Canisters labeled:

"WDI-VW-39-S-3-12-07"	"WDI-VW-39-D-3-12-07"	"WDI-VW-38-S-3-12-07"	"WDI-VW-38-D-3-12-07"
"WDI-VW-37-S-3-12-07"	"WDI-VW-37-D-3-12-07"	"WDI-VW-37-D-3-12-07-SC"	"WDI-VW-36-S-3-13-07"
"WDI-VW-36-D-3-13-07"	"WDI-VW-35-S-3-13-07"	"WDI-VW-35-D-3-13-07"	"WDI-VW-34-S-3-13-07"
"WDI-VW-34-I-3-13-07"	"WDI-VW-34-D-3-13-07"	"WDI-VW-34-D-3-13-07-SC"	

The samples were received at the laboratory under chain of custody on March 14, 2007. 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:

Wade Henton
GC-VOA Team Leader
Air Quality Laboratory

Reviewed and Approved:

Chris Parnell
GCMS-VOA Team Leader
Air Quality Laboratory

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CAS Project No: P2700710

Volatile Organic Compound Analysis

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

The results of analyses are given in the attached data package. 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-39-S-3-12-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-001

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00846

Date Collected: 3/12/07
Date Received: 3/14/07
Date Analyzed: 3/20/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -0.6 Pf 1 = 3.5
D.F. = 1.29

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	ND	0.65	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**5.4**	1.3	

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: MW Date: 3/28/07

00710SVG.SC1 -Sample

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-39-D-3-12-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-002

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00747

Date Collected: 3/12/07
Date Received: 3/14/07
Date Analyzed: 3/20/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.1 Pf 1 = 3.5
D.F. = 1.57

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**0.81**	0.79	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**8.7**	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: KW Date: 3/28/07

00710SVG.SC1 -Sample (2)

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-38-S-3-12-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-003

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00160

Date Collected: 3/12/07
Date Received: 3/14/07
Date Analyzed: 3/20/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -2.9 Pf 1 = 3.5
D.F. = 1.54

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**1.2**	0.77	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**4.6**	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: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-38-D-3-12-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-004

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00147

Date Collected: 3/12/07
Date Received: 3/14/07
Date Analyzed: 3/20/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.0 Pf 1 = 3.9
D.F. = 1.59

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**1,800**	0.80	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**9.0**	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: MY Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-37-S-3-12-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-005

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00112

Date Collected: 3/12/07
Date Received: 3/14/07
Date Analyzed: 3/20/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.7 Pf 1 = 3.8
D.F. = 1.68

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**1.4**	0.84	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**4.5**	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: MU Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-37-D-3-12-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-006

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00620

Date Collected: 3/12/07
Date Received: 3/14/07
Date Analyzed: 3/20/07
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	**9.9**	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: MJ Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-37-D-3-12-07-SC**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-007

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00865

Date Collected: 3/12/07
Date Received: 3/14/07
Date Analyzed: 3/20/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.4 Pf 1 = 3.8
D.F. = 1.64

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	ND	0.82	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**11**	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: HW Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-36-S-3-13-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-008

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00235

Date Collected: 3/13/07
Date Received: 3/14/07
Date Analyzed: 3/20/07
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	ND	0.83	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**7.1**	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: ZW Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-36-D-3-13-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-009

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00190

Date Collected: 3/13/07
Date Received: 3/14/07
Date Analyzed: 3/20/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.1 Pf 1 = 3.9
D.F. = 1.60

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	ND	0.80	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**10**	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: ω Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-35-S-3-13-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-010

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00241

Date Collected: 3/13/07
Date Received: 3/14/07
Date Analyzed: 3/20/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.2 Pf 1 = 3.7
D.F. = 1.60

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	ND	0.80	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**6.9**	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: W Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-35-D-3-13-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-011

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00632

Date Collected: 3/13/07
Date Received: 3/14/07
Date Analyzed: 3/20/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.5 Pf 1 = 3.7
D.F. = 1.64

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**2.4**	0.82	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**8.4**	1.6	

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

Verified By: M Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-34-S-3-13-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-012

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00897

Date Collected: 3/13/07
Date Received: 3/14/07
Date Analyzed: 3/20/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.2 Pf 1 = 3.7
D.F. = 1.60

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	ND	0.80	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**9.9**	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: μ Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-34-I-3-13-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-013

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00326

Date Collected: 3/13/07
Date Received: 3/14/07
Date Analyzed: 3/20/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.9 Pf 1 = 3.6
D.F. = 1.69

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**2.2**	0.85	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.7	

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

Verified By: μ Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-34-D-3-13-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-014

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00772

Date Collected: 3/13/07
Date Received: 3/14/07
Date Analyzed: 3/20/07
Volume(s) Analyzed: 0.50 ml

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

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**0.88**	0.81	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**9.2**	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: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-34-D-3-13-07-SC**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-015

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00229

Date Collected: 3/13/07
Date Received: 3/14/07
Date Analyzed: 3/20/07
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	**0.81**	0.79	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**11**	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: MJ Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2700710
CAS Sample ID: P070320-MB

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

Date Collected: NA
Date Received: NA
Date Analyzed: 3/20/07
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: MS Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2700710
CAS Sample ID: P070320-LCS

Laboratory Control Sample Summary

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

Date Collected: NA
Date Received: NA
Date Analyzed: 3/20/07
Volume(s) Analyzed: NA

Compound	Spike Amount LCS ppmV	Result LCS ppmV	**% Recovery LCS**	Acceptance Limits	Data Qualifier
Methane	57.5	58.5	102	90-110	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	345	345	100	90-110	

Verified By: ___ Date: 3/28/07

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?	
Tgt			0.00
		☐	0.000
		☐	
		☐	

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

Compound #4: TGHBO-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		
		☐
		☐
		☐

0.00

0.000

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

Compound #5: TGMO-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	25614390			
6	29850.000	191892442			

	Integration Parameter File	Sum?		
Tgt				0.00
		☐		0.000
		☐		
		☐		

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PERFORMANCE ANALYTICAL INC.

ZW 3/21/07

EPA 25C TCA/FID Analysis for TGNMO

Client & PAI Job# : TRC P2700710
Analyst : ZW
Sample amount : 500uL / 68uL

Printed : 3/21/07
Instrument : GC #1 / FID #1
Date analyzed : 3/20/07

Sample Results (ppm)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide	TGNMO-1	TGNMO-2	Pi1	Pf1	Pi2	Pf2
STD 100ppm S14-122806	98.2	77.3	103.0	109.6					
ACTUAL	100.1	80.1	100.7	101.2					
% DIFF.	1.9%	3.5%	2.3%	8.3%					
MB NL	0.00	0.00	0.00	0.00	0.00				
LAB AIR NL	0.54	2.02	474.60	0.00	0.00				
0710-001 v	0.35	0.38	v	4.16	0.00	-0.6	3.5		
0710-002 v	0.41	0.51	v	5.52	0.00	-3.1	3.5		
0710-003 v	1.74	0.77	v	2.96	0.00	-2.9	3.5		
0710-004 v	1.50	1124.53	v	5.65	0.00	-3.0	3.9		
0710-005 v	1.12	0.84	v	2.69	0.00	-3.7	3.8		
0710-006 v	0.53	0.00	v	6.23	0.00	-3.2	3.5		
0710-007 v	0.79	0.00	v	6.63	0.00	-3.4	3.8		
0710-008 v	0.50	0.34	v	4.28	0.00	-3.6	3.6		
0710-009 v	0.40	0.00	v	6.50	0.00	-3.1	3.9		
0710-010 v	1.32	0.00	v	4.32	0.00	-3.2	3.7		
0710-011 v	0.00	1.45	v	5.12	0.00	-3.5	3.7		
0710-012 v	0.36	0.47	v	6.20	0.00	-3.2	3.7		
0710-013 v	0.85	1.29	v	0.00	0.00	-3.9	3.6		
0710-014 v	0.71	0.55	v	5.71	0.00	-3.4	3.5		
0710-015 v	1.04	0.51	v	7.05	0.00	-3.2	3.5		
STD 100ppm S14-122806	101.54	79.47	157.25	111.33	0.00				
ACTUAL	100.1	80.1	100.7	101.2					
% DIFF.	1.4%	0.8%	56.2%	10.0%					
LCS 345ppm S14-040506	61.26	58.53	60.42	344.70					
ACTUAL	57.9	57.5	57.9	345.0					
% Recovery	105.8%	101.8%	104.4%	99.9%					
STD 100ppm S14-122806	100.75	79.60	139.21	111.12					
ACTUAL	100.1	80.1	100.7	101.2					
% DIFF.	0.7%	0.6%	38.2%	9.8%					

W 3/21/07

Completed Sample Results ppm

Loop ratio=7.33

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide	TOTAL TGNMO	TOTAL TGNMO as Hexane	BAG DF	LOOP DF	PiPf DF
RL ppm *	5.0	0.5	5.0	1.0	0.17			
MDL ppm	0.10	0.19	1.80	0.48	0.08			
MB NL	ND	ND	ND	ND	ND	1.00	1.00	1.00
LAB AIR NL	0.54	2.02	474.60	ND	ND	1.00	1.00	1.00
0710-001 v	ND	ND	VENT	5.37	0.89	1.00	1.00	1.29
0710-002 v	ND	0.81	VENT	8.66	1.44	1.00	1.00	1.57
0710-003 v	ND	1.18	VENT	4.57	0.76	1.00	1.00	1.54
0710-004 v	ND	1787.71	VENT	8.98	1.50	1.00	1.00	1.59
0710-005 v	ND	1.41	VENT	4.53	0.75	1.00	1.00	1.68
0710-006 v	ND	ND	VENT	9.85	1.64	1.00	1.00	1.58
0710-007 v	ND	ND	VENT	10.86	1.81	1.00	1.00	1.64
0710-008 v	ND	ND	VENT	7.06	1.18	1.00	1.00	1.65
0710-009 v	ND	ND	VENT	10.42	1.74	1.00	1.00	1.60
0710-010 v	ND	ND	VENT	6.91	1.15	1.00	1.00	1.60
0710-011 v	ND	2.38	VENT	8.41	1.40	1.00	1.00	1.64
0710-012 v	ND	ND	VENT	9.91	1.65	1.00	1.00	1.60
0710-013 v	ND	2.19	VENT	ND	ND	1.00	1.00	1.69
0710-014 v	ND	0.88	VENT	9.20	1.53	1.00	1.00	1.61
0710-015 v	ND	0.81	VENT	11.16	1.86	1.00	1.00	1.58

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

WL 10/23/06

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

DATE: 3 / 20 / 2007 *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\DATA25C\2007_03\20\ **METHOD FILE NAME: J:\GC1\METHODS**_____**.M**

	DATA FILE HEADER INFO		CLIENT	ANALYST
01	Std 100 ppm 574-12280601			ZW
02	MB			
03	Lab Air			
04	LCS 345 ppm 574-04050602			
05	LCS17			
06	0710-001	V	TRC	
07	-001			
08	-002			
09	-003			
10	-004			
11	-005			
12	-006			
13	-007			
14	-008			
15	-009			
16	Std 100 ppm			
17	0710-010	V	TRC	
18	-011			
19	-012			
20	-013			
21	0710-013	V	TRC	ZW
22	-014			
23	-015			
24	-006			
25	Std 100 ppm			
26				
27	wait			
28				
29				
30				
31			ZW	
32			3/21/07	
33				
34				
35				
36				
37				
38				
39				
40				

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COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-39-S-3-12-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-001

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00846

Date Collected: 3/12/07
Date Received: 3/14/07
Date Analyzed: 3/21/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -0.6 Pf 1 = 3.5
D.F. = 1.29

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.13	
7782-44-7 7440-37-1	Oxygen + Argon *	**11.0**	0.13	
7727-37-9	Nitrogen	**82.8**	0.13	
630-08-0	Carbon Monoxide	ND	0.13	
124-38-9	Carbon Dioxide	**6.13**	0.13	

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: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-39-D-3-12-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-002

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00747

Date Collected: 3/12/07
Date Received: 3/14/07
Date Analyzed: 3/21/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.1 Pf 1 = 3.5
D.F. = 1.57

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 *	**4.42**	0.16	
7727-37-9	Nitrogen	**86.1**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**9.46**	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: w Date: 3/08/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-38-S-3-12-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-003

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00160

Date Collected: 3/12/07
Date Received: 3/14/07
Date Analyzed: 3/21/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -2.9 Pf 1 = 3.5
D.F. = 1.54

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 *	**16.8**	0.15	
7727-37-9	Nitrogen	**78.8**	0.15	
630-08-0	Carbon Monoxide	ND	0.15	
124-38-9	Carbon Dioxide	**4.38**	0.15	

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

Verified By: ZU Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-38-D-3-12-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-004

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00147

Date Collected: 3/12/07
Date Received: 3/14/07
Date Analyzed: 3/21/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.0 Pf 1 = 3.9
D.F. = 1.59

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.16	
7782-44-7 7440-37-1	Oxygen + Argon *	**1.54**	0.16	
7727-37-9	Nitrogen	**87.6**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**10.7**	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: LW Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-37-S-3-12-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-005

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00112

Date Collected: 3/12/07
Date Received: 3/14/07
Date Analyzed: 3/21/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.7 Pf 1 = 3.8
D.F. = 1.68

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 *	**14.7**	0.17	
7727-37-9	Nitrogen	**80.9**	0.17	
630-08-0	Carbon Monoxide	ND	0.17	
124-38-9	Carbon Dioxide	**4.44**	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: MJ Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : TRC
Client Sample ID: WDI-VW-37-D-3-12-07
Client Project ID: WDI

CAS Project ID: P2700710
CAS Sample ID: P2700710-006

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00620

Date Collected: 3/12/07
Date Received: 3/14/07
Date Analyzed: 3/21/07
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 *	**4.89**	0.16	
7727-37-9	Nitrogen	**83.7**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**11.4**	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: LY Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-37-D-3-12-07-SC**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-007

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00865

Date Collected: 3/12/07
Date Received: 3/14/07
Date Analyzed: 3/21/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.4 Pf 1 = 3.8

D.F. = 1.64

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.16	
7782-44-7 7440-37-1	Oxygen + Argon *	**5.05**	0.16	
7727-37-9	Nitrogen	**83.7**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**11.2**	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: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-36-S-3-13-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-008

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00235

Date Collected: 3/13/07
Date Received: 3/14/07
Date Analyzed: 3/21/07
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 *	**17.4**	0.17	
7727-37-9	Nitrogen	**77.6**	0.17	
630-08-0	Carbon Monoxide	ND	0.17	
124-38-9	Carbon Dioxide	**5.02**	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: μ Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-36-D-3-13-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-009

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00190

Date Collected: 3/13/07
Date Received: 3/14/07
Date Analyzed: 3/21/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.1 Pf 1 = 3.9
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 *	**11.4**	0.16	
7727-37-9	Nitrogen	**78.7**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**10.0**	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: MU Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-35-S-3-13-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-010

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00241

Date Collected: 3/13/07
Date Received: 3/14/07
Date Analyzed: 3/21/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.2 Pf 1 = 3.7

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 *	**15.0**	0.16	
7727-37-9	Nitrogen	**79.4**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**5.50**	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: KW Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-35-D-3-13-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-011

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00632

Date Collected: 3/13/07
Date Received: 3/14/07
Date Analyzed: 3/21/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.5 Pf 1 = 3.7
D.F. = 1.64

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.16	
7782-44-7 7440-37-1	Oxygen + Argon *	**6.80**	0.16	
7727-37-9	Nitrogen	**81.2**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**12.0**	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: KJ Date: 3/23/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-34-S-3-13-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-012

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00897

Date Collected: 3/13/07
Date Received: 3/14/07
Date Analyzed: 3/21/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.2 Pf 1 = 3.7

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 *	**12.2**	0.16	
7727-37-9	Nitrogen	**78.6**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**9.14**	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: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-34-I-3-13-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-013

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00326

Date Collected: 3/13/07
Date Received: 3/14/07
Date Analyzed: 3/21/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.9 Pf 1 = 3.6
D.F. = 1.69

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 *	**21.6**	0.17	
7727-37-9	Nitrogen	**77.9**	0.17	
630-08-0	Carbon Monoxide	ND	0.17	
124-38-9	Carbon Dioxide	**0.468**	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: ~~W~~ Date: 3/08/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-34-D-3-13-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-014

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00772

Date Collected: 3/13/07
Date Received: 3/14/07
Date Analyzed: 3/21/07
Volume(s) Analyzed: 0.10 ml

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

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.16	
7782-44-7 7440-37-1	Oxygen + Argon *	**4.02**	0.16	
7727-37-9	Nitrogen	**83.2**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**12.7**	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: W Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : TRC
Client Sample ID: WDI-VW-34-D-3-13-07-SC
Client Project ID: WDI

CAS Project ID: P2700710
CAS Sample ID: P2700710-015

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00229

Date Collected: 3/13/07
Date Received: 3/14/07
Date Analyzed: 3/21/07
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 *	**3.98**	0.16	
7727-37-9	Nitrogen	**83.2**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**12.8**	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: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2700710
CAS Sample ID: P070321-MB

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

Date Collected: NA
Date Received: NA
Date Analyzed: 3/21/07
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: pu Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2700710
CAS Sample ID: P070321-LCS

Laboratory Control Sample Summary

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

Date Collected: NA
Date Received: NA
Date Analyzed: 3/21/07
Volume(s) Analyzed: NA

Compound	Spike Amount LCS ppmV	Result LCS ppmV	**% Recovery LCS**	Acceptance Limits	Data Qualifier
Hydrogen	40,100	36,600	**91**	90-110	
Oxygen + Argon *	50,000	50,200	**100**	90-110	
Nitrogen	50,500	51,900	**103**	90-110	
Carbon Monoxide	50,100	49,600	**99**	90-110	
Carbon Dioxide	50,400	50,000	**99**	90-110	

Verified By: w Date: 3/28/07

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

Wg 8/22/06

(#) = Out of Range

Compound #1 Hydrogen (Page 3)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	34.253	332			
2	697.000	5638			
3	4100.000	36325			
4	42927.000	432280			
5	73800.000	733283			

	Integration Parameter File	Sum?	
Tgt			0.00
		☐	0.000
		☐	
		☐	

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Compound = 2: Oxygen (Page 1)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	43.017	572			
2	841.500	10038			
3	4950.000	63907			
4	51626.500	655569			
5	83100.000	1039947			

	Integration Parameter File	Sum?
Tot		
		☐
		☐
		☐

0.00

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		
		☐
		☐
		☐

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Compound #4: Carbon Monoxide (Page 3)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	42.505	589			
2	853.400	11196			
3	5020.000	71443			
4	52559.400	738905			
5	90360.000	1195622			

	Integration Parameter File	Sum?
Tgt		
		☐
		☐
		☐

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Compound #5: Methane (Page 1)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	34.425	353			
2	685.700	6832			
3	4034.000	42792			
4	42235.980	438858			
5	72612.000	706850			

	Integration Parameter File	Sum?
Tot		
		☐
		☐
		☐

0.00

0.000

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Compound #6: Carbon Dioxide (Page 2)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	42.585	664			
2	847.450	12805			
3	4905.000	80434			
4	52192.950	830567			
5	89730.000	1344318			

	Integration Parameter File	Sum?
Tgt		
		☐
		☐
		☐

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ZW 3/22/07

COLUMBIA ANALYTICAL INC.

EPA 3C GC/TCD Analysis for Fixed Gases

Client & PAI Job# : TRC P2700710
Analyst : ZW
Sample amount : ~100uL

Printed : 3/22/07
Instrument : GC #1 / TCD #1
Date analyzed : 3/21/07

Sample Result

Sample ID	Hydrogen	O2/Ar	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	Pi1	Pf1	Pi2	Pf2
STD-50000ppm	39338	51580	50808	52357	42506	52979				
ACTUAL	40100	49970	50540	50050	40050	50360				
% DIFFER.	1.9%	3.2%	0.5%	4.6%	6.1%	5.2%				
MB	0	0	0	0	0	0				
LAB AIR	0	219199	785338	0	0	506				
0710-001	0	100707	757595	0	0	56079	-0.6	3.5		
0710-002	0	33744	657979	0	0	72313	-3.1	3.5		
0710-003	0	118699	556422	0	0	30920	-2.9	3.5		
0710-004	0	11880	677078	0	1139	83078	-3.0	3.9		
0710-005	0	106925	589047	0	0	32337	-3.7	3.8		
0710-006	0	36218	619022	0	0	84699	-3.2	3.5		
0710-007	0	37062	614518	0	0	82574	-3.4	3.8		
0710-008	0	127350	569033	0	0	36803	-3.6	3.6		
0710-009	0	84798	587315	0	0	74300	-3.1	3.9		
0710-010	0	113644	600150	0	0	41515	-3.2	3.7		
0710-011	0	49839	595166	0	0	87996	-3.5	3.7		
0710-012	0	91162	587819	0	0	68342	-3.2	3.7		
0710-013	0	153013	551208	0	0	3310	-3.9	3.6		
0710-014	0	29448	609302	0	0	93115	-3.4	3.5		
0710-015	0	29395	614758	0	0	94903	-3.2	3.5		
LCS 50000ppm S14-12	36555	50239	51678	49534	40116	50016				
ACTUAL	40100	49970	50540	50050	40050	50360				
% DIFFER.	8.8%	0.5%	2.6%	0.8%	0.2%	0.7%				
STD 50000ppm S14-12	39089	50629	49282	51173	41319	51900				
ACTUAL	40100	49970	50540	50050	40050	50360				
% DIFFER.	2.5%	1.3%	2.5%	2.2%	3.2%	3.1%				
STD 50000ppm S14-12	40235	52275	51021	52861	42533	53439				
ACTUAL	40100	49970	50540	50050	40050	50360				
% DIFFER.	0.3%	4.6%	1.0%	5.6%	6.2%	6.1%				

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	219199	785338	0	0	506	100.5	1.00
0710-001	0	129991	977889	0	0	72385	118.0	1.29
0710-002	0	52942	1032346	0	0	113456	119.9	1.57
0710-003	0	183078	858211	0	0	47690	108.9	1.54
0710-004	0	18886	1076381	0	1811	132072	122.9	1.59
0710-005	0	179828	990670	0	0	54385	122.5	1.68
0710-006	0	57320	979670	0	0	134046	117.1	1.58
0710-007	0	60677	1006069	0	0	135188	120.2	1.64
0710-008	0	209955	938136	0	0	60674	120.9	1.65
0710-009	0	135969	941729	0	0	119136	119.7	1.60
0710-010	0	181831	960240	0	0	66423	120.8	1.60
0710-011	0	81878	977774	0	0	144565	120.4	1.64
0710-012	0	145859	940510	0	0	109348	119.6	1.60
0710-013	0	259271	933991	0	0	5609	119.9	1.69
0710-014	0	47429	981353	0	0	149973	117.9	1.61
0710-015	0	46521	972921	0	0	150195	117.0	1.58

COLUMBIA ANALYTICAL INC.

EPA 3C GC/TCD Analysis for Fixed Gases

Client & PAI Job# : TRC P2700710
Analyst : ZW
Sample amount : ~100uL

Printed : 3/22/07
Instrument : GC #1 / TCD #1
Date analyzed : 3/21/07

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	39338	51580	50808	52357	42506	52979	
MB	ND	ND	ND	ND	ND	ND	
LAB AIR	ND	218077	781319	ND	ND	504	99.99
0710-001	ND	110126	828450	ND	ND	61323	99.99
0710-002	ND	44161	861103	ND	ND	94636	99.99
0710-003	ND	168102	788009	ND	ND	43789	99.99
0710-004	ND	15364	875624	ND	1473	107439	99.99
0710-005	ND	146797	808707	ND	ND	44396	99.99
0710-006	ND	48943	836501	ND	ND	114456	99.99
0710-007	ND	50478	836958	ND	ND	112464	99.99
0710-008	ND	173676	776034	ND	ND	50190	99.99
0710-009	ND	113596	786772	ND	ND	99533	99.99
0710-010	ND	150446	794496	ND	ND	54958	99.99
0710-011	ND	67986	811877	ND	ND	120037	99.99
0710-012	ND	121972	786487	ND	ND	91440	99.99
0710-013	ND	216241	778980	ND	ND	4678	99.99
0710-014	ND	40233	832450	ND	ND	127217	99.99
0710-015	ND	39770	831732	ND	ND	128399	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-~~05~~ 4 120602 (loop 18.0)		21 Aug 106 12::5
10	5	08210610.d	10.	lab air	lab 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: 3 / 21 / 2007 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\Fxg\2007-03\21 METHOD FILE NAME: J:\GC1\METHODS_____.M

	DATA FILE HEADER INFO	CLIENT	ANALYST
01	Std 50000 ppm S14-12150602		ZW
02	MB		
03	Lab Air		
04	LCS 50000 ppm S14-12150601		
05	LCSD		
06	0752-001	[redacted]	
07	0710-001	TRC	
08	-002		
09	-003		
10	-004		
11	-005		
12	-006		
13	-007		
14	-008		
15	Std 50000 ppm		
16	0710-009	TRC	
17	-010		
18	-011		
19	-012		
20	-013		

	DATA FILE HEADER INFO	CLIENT	ANALYST
21	0710-014	TRC	ZW
22	-015		
23	0754-001	[redacted]	
24	-002		
25	-003		
26	Std 50000 ppm		
27	Wait		
28			
29			
30			
31			
32		ZW	
33		3/22/07	
34			
35			
36			
37			
38			
39			
40			

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-39-S-3-12-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-001

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: SC00846

Date Collected: 3/12/07
Date Received: 3/14/07
Date(s) Analyzed: 3/23/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -0.6 Pf 1 = 3.5

Can D.F. = 1.29

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.3	ND	0.62	
75-01-4	Vinyl Chloride	ND	1.3	ND	0.50	
74-83-9	Bromomethane	ND	1.3	ND	0.33	
75-00-3	Chloroethane	ND	1.3	ND	0.49	
67-64-1	Acetone	**18**	6.5	**7.6**	2.7	
75-69-4	Trichlorofluoromethane	**3.2**	1.3	**0.56**	0.23	
75-35-4	1,1-Dichloroethene	ND	1.3	ND	0.33	
75-09-2	Methylene chloride	ND	1.3	ND	0.37	
76-13-1	Trichlorotrifluoroethane	**8.4**	1.3	**1.1**	0.17	
75-15-0	Carbon Disulfide	**1.9**	1.3	**0.63**	0.41	
156-60-5	trans-1,2-Dichloroethene	ND	1.3	ND	0.33	
75-34-3	1,1-Dichloroethane	ND	1.3	ND	0.32	
1634-04-4	Methyl tert-Butyl Ether	ND	1.3	ND	0.36	
108-05-4	Vinyl Acetate	ND	1.3	ND	0.37	
78-93-3	2-Butanone (MEK)	**3.8**	1.3	**1.3**	0.44	
156-59-2	cis-1,2-Dichloroethene	ND	1.3	ND	0.33	
67-66-3	Chloroform	ND	1.3	ND	0.26	
107-06-2	1,2-Dichloroethane	ND	1.3	ND	0.32	
71-55-6	1,1,1-Trichloroethane	ND	1.3	ND	0.24	
71-43-2	Benzene	**4.7**	1.3	**1.5**	0.40	
56-23-5	Carbon Tetrachloride	ND	1.3	ND	0.21	
78-87-5	1,2-Dichloropropane	ND	1.3	ND	0.28	

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

Verified By: MJ Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-39-S-3-12-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-001

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: SC00846

Date Collected: 3/12/07
Date Received: 3/14/07
Date(s) Analyzed: 3/23/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -0.6 Pf 1 = 3.5

Can D.F. = 1.29

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.3	ND	0.19	
79-01-6	Trichloroethene	ND	1.3	ND	0.24	
10061-01-5	cis-1,3-Dichloropropene	ND	1.3	ND	0.28	
108-10-1	4-Methyl-2-pentanone	ND	1.3	ND	0.31	
10061-02-6	trans-1,3-Dichloropropene	ND	1.3	ND	0.28	
79-00-5	1,1,2-Trichloroethane	ND	1.3	ND	0.24	
108-88-3	Toluene	**9.1**	1.3	**2.4**	0.34	
591-78-6	2-Hexanone	ND	1.3	ND	0.32	
124-48-1	Dibromochloromethane	ND	1.3	ND	0.15	
106-93-4	1,2-Dibromoethane	ND	1.3	ND	0.17	
127-18-4	Tetrachloroethene	**25**	1.3	**3.7**	0.19	
108-90-7	Chlorobenzene	ND	1.3	ND	0.28	
100-41-4	Ethylbenzene	**3.1**	1.3	**0.72**	0.30	
179601-23-1	*m,p*-Xylenes	**11**	1.3	**2.6**	0.30	
75-25-2	Bromoform	ND	1.3	ND	0.12	
100-42-5	Styrene	ND	1.3	ND	0.30	
95-47-6	o-Xylene	**4.4**	1.3	**1.0**	0.30	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.3	ND	0.19	
541-73-1	1,3-Dichlorobenzene	ND	1.3	ND	0.21	
106-46-7	1,4-Dichlorobenzene	ND	1.3	ND	0.21	
95-50-1	1,2-Dichlorobenzene	ND	1.3	ND	0.21	

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: µl Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-39-S-3-12-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-001DUP

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: SC00846

Date Collected: 3/12/07
Date Received: 3/14/07
Date(s) Analyzed: 3/23/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -0.6 Pf 1 = 3.5

Can D.F. = 1.29

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.3	ND	0.62	
75-01-4	Vinyl Chloride	ND	1.3	ND	0.50	
74-83-9	Bromomethane	ND	1.3	ND	0.33	
75-00-3	Chloroethane	ND	1.3	ND	0.49	
67-64-1	Acetone	**17**	6.5	**7.3**	2.7	
75-69-4	Trichlorofluoromethane	**3.0**	1.3	**0.54**	0.23	
75-35-4	1,1-Dichloroethene	ND	1.3	ND	0.33	
75-09-2	Methylene chloride	ND	1.3	ND	0.37	
76-13-1	Trichlorotrifluoroethane	**8.4**	1.3	**1.1**	0.17	
75-15-0	Carbon Disulfide	**1.9**	1.3	**0.61**	0.41	
156-60-5	trans-1,2-Dichloroethene	ND	1.3	ND	0.33	
75-34-3	1,1-Dichloroethane	ND	1.3	ND	0.32	
1634-04-4	Methyl tert-Butyl Ether	ND	1.3	ND	0.36	
108-05-4	Vinyl Acetate	ND	1.3	ND	0.37	
78-93-3	2-Butanone (MEK)	**3.6**	1.3	**1.2**	0.44	
156-59-2	cis-1,2-Dichloroethene	ND	1.3	ND	0.33	
67-66-3	Chloroform	ND	1.3	ND	0.26	
107-06-2	1,2-Dichloroethane	ND	1.3	ND	0.32	
71-55-6	1,1,1-Trichloroethane	ND	1.3	ND	0.24	
71-43-2	Benzene	**4.8**	1.3	**1.5**	0.40	
56-23-5	Carbon Tetrachloride	ND	1.3	ND	0.21	
78-87-5	1,2-Dichloropropane	ND	1.3	ND	0.28	

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

Verified By: MJ Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-39-S-3-12-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-001DUP

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: SC00846

Date Collected: 3/12/07
Date Received: 3/14/07
Date(s) Analyzed: 3/23/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -0.6 Pf 1 = 3.5

Can D.F. = 1.29

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.3	ND	0.19	
79-01-6	Trichloroethene	ND	1.3	ND	0.24	
10061-01-5	cis-1,3-Dichloropropene	ND	1.3	ND	0.28	
108-10-1	4-Methyl-2-pentanone	ND	1.3	ND	0.31	
10061-02-6	trans-1,3-Dichloropropene	ND	1.3	ND	0.28	
79-00-5	1,1,2-Trichloroethane	ND	1.3	ND	0.24	
108-88-3	Toluene	**9.4**	1.3	**2.5**	0.34	
591-78-6	2-Hexanone	ND	1.3	ND	0.32	
124-48-1	Dibromochloromethane	ND	1.3	ND	0.15	
106-93-4	1,2-Dibromoethane	ND	1.3	ND	0.17	
127-18-4	Tetrachloroethene	**26**	1.3	**3.9**	0.19	
108-90-7	Chlorobenzene	ND	1.3	ND	0.28	
100-41-4	Ethylbenzene	**3.2**	1.3	**0.74**	0.30	
179601-23-1	*m,p*-Xylenes	**11**	1.3	**2.6**	0.30	
75-25-2	Bromoform	ND	1.3	ND	0.12	
100-42-5	Styrene	ND	1.3	ND	0.30	
95-47-6	o-Xylene	**4.6**	1.3	**1.1**	0.30	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.3	ND	0.19	
541-73-1	1,3-Dichlorobenzene	ND	1.3	ND	0.21	
106-46-7	1,4-Dichlorobenzene	ND	1.3	ND	0.21	
95-50-1	1,2-Dichlorobenzene	ND	1.3	ND	0.21	

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: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-39-D-3-12-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-002

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: SC00747

Date Collected: 3/12/07
Date Received: 3/14/07
Date(s) Analyzed: 3/23/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.1 Pf 1 = 3.5

Can D.F. = 1.57

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.6	ND	0.76	
75-01-4	Vinyl Chloride	ND	1.6	ND	0.61	
74-83-9	Bromomethane	ND	1.6	ND	0.40	
75-00-3	Chloroethane	ND	1.6	ND	0.60	
67-64-1	Acetone	**32**	7.9	**14**	3.3	
75-69-4	Trichlorofluoromethane	**4.1**	1.6	**0.72**	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	**23**	1.6	**3.0**	0.20	
75-15-0	Carbon Disulfide	**21**	1.6	**6.9**	0.50	
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	**6.4**	1.6	**1.8**	0.45	
78-93-3	2-Butanone (MEK)	**8.7**	1.6	**2.9**	0.53	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	ND	0.40	
67-66-3	Chloroform	ND	1.6	ND	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	**43**	1.6	**13**	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: MJ Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-39-D-3-12-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-002

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: SC00747

Date Collected: 3/12/07
Date Received: 3/14/07
Date(s) Analyzed: 3/23/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.1 Pf 1 = 3.5

Can D.F. = 1.57

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.6	ND	0.23	
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	0.38	
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	**14**	1.6	**3.8**	0.42	
591-78-6	2-Hexanone	ND	1.6	ND	0.38	
124-48-1	Dibromochloromethane	ND	1.6	ND	0.18	
106-93-4	1,2-Dibromoethane	ND	1.6	ND	0.20	
127-18-4	Tetrachloroethene	**22**	1.6	**3.3**	0.23	
108-90-7	Chlorobenzene	ND	1.6	ND	0.34	
100-41-4	Ethylbenzene	**4.7**	1.6	**1.1**	0.36	
179601-23-1	*m,p*-Xylenes	**14**	1.6	**3.1**	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	**4.9**	1.6	**1.1**	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: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-38-S-3-12-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-003

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: SC00160

Date Collected: 3/12/07
Date Received: 3/14/07
Date(s) Analyzed: 3/23/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.9 Pf 1 = 3.5

Can D.F. = 1.54

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.5	ND	0.75	
75-01-4	Vinyl Chloride	ND	1.5	ND	0.60	
74-83-9	Bromomethane	ND	1.5	ND	0.40	
75-00-3	Chloroethane	ND	1.5	ND	0.58	
67-64-1	Acetone	**23**	7.7	**9.9**	3.2	**M**
75-69-4	Trichlorofluoromethane	**23**	1.5	**4.0**	0.27	
75-35-4	1,1-Dichloroethene	ND	1.5	ND	0.39	
75-09-2	Methylene chloride	ND	1.5	ND	0.44	
76-13-1	Trichlorotrifluoroethane	**1.7**	1.5	**0.22**	0.20	
75-15-0	Carbon Disulfide	ND	1.5	ND	0.49	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	ND	0.39	
75-34-3	1,1-Dichloroethane	ND	1.5	ND	0.38	
1634-04-4	Methyl tert-Butyl Ether	ND	1.5	ND	0.43	
108-05-4	Vinyl Acetate	**7.2**	1.5	**2.0**	0.44	**M**
78-93-3	2-Butanone (MEK)	**6.3**	1.5	**2.1**	0.52	
156-59-2	cis-1,2-Dichloroethene	ND	1.5	ND	0.39	
67-66-3	Chloroform	ND	1.5	ND	0.32	
107-06-2	1,2-Dichloroethane	ND	1.5	ND	0.38	
71-55-6	1,1,1-Trichloroethane	ND	1.5	ND	0.28	
71-43-2	Benzene	**14**	1.5	**4.5**	0.48	
56-23-5	Carbon Tetrachloride	ND	1.5	ND	0.24	
78-87-5	1,2-Dichloropropane	ND	1.5	ND	0.33	

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

Verified By: HW Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-38-S-3-12-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-003

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: SC00160

Date Collected: 3/12/07
Date Received: 3/14/07
Date(s) Analyzed: 3/23/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.9 Pf 1 = 3.5

Can D.F. = 1.54

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.5	ND	0.23	
79-01-6	Trichloroethene	ND	1.5	ND	0.29	
10061-01-5	cis-1,3-Dichloropropene	ND	1.5	ND	0.34	
108-10-1	4-Methyl-2-pentanone	ND	1.5	ND	0.38	
10061-02-6	trans-1,3-Dichloropropene	ND	1.5	ND	0.34	
79-00-5	1,1,2-Trichloroethane	ND	1.5	ND	0.28	
108-88-3	Toluene	**13**	1.5	**3.4**	0.41	
591-78-6	2-Hexanone	ND	1.5	ND	0.38	
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	**4.5**	1.5	**0.66**	0.23	
108-90-7	Chlorobenzene	ND	1.5	ND	0.33	
100-41-4	Ethylbenzene	**3.5**	1.5	**0.81**	0.35	
179601-23-1	*m,p*-Xylenes	**13**	1.5	**2.9**	0.35	
75-25-2	Bromoform	ND	1.5	ND	0.15	
100-42-5	Styrene	ND	1.5	ND	0.36	
95-47-6	o-Xylene	**4.7**	1.5	**1.1**	0.35	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.5	ND	0.22	
541-73-1	1,3-Dichlorobenzene	ND	1.5	ND	0.26	
106-46-7	1,4-Dichlorobenzene	ND	1.5	ND	0.26	
95-50-1	1,2-Dichlorobenzene	ND	1.5	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: KW Date: 2/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-38-D-3-12-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-004

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: SC00147

Date Collected: 3/12/07
Date Received: 3/14/07
Date(s) Analyzed: 3/23/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.0 Pf 1 = 3.9

Can D.F. = 1.59

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.6	ND	0.77	
75-01-4	Vinyl Chloride	ND	1.6	ND	0.62	
74-83-9	Bromomethane	ND	1.6	ND	0.41	
75-00-3	Chloroethane	ND	1.6	ND	0.60	
67-64-1	Acetone	**22**	8.0	**9.2**	3.3	**M**
75-69-4	Trichlorofluoromethane	**3.1**	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	0.46	
76-13-1	Trichlorotrifluoroethane	**3.9**	1.6	**0.51**	0.21	
75-15-0	Carbon Disulfide	**3.4**	1.6	**1.1**	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)	**4.3**	1.6	**1.5**	0.54	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	ND	0.40	
67-66-3	Chloroform	ND	1.6	ND	0.33	
107-06-2	1,2-Dichloroethane	ND	1.6	ND	0.39	
71-55-6	1,1,1-Trichloroethane	ND	1.6	ND	0.29	
71-43-2	Benzene	**85**	1.6	**27**	0.50	
56-23-5	Carbon Tetrachloride	ND	1.6	ND	0.25	
78-87-5	1,2-Dichloropropane	ND	1.6	ND	0.34	

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

Verified By: MJ Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-38-D-3-12-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-004

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: SC00147

Date Collected: 3/12/07
Date Received: 3/14/07
Date(s) Analyzed: 3/23/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.0 Pf 1 = 3.9

Can D.F. = 1.59

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.6	ND	0.24	
79-01-6	Trichloroethene	**5.0**	1.6	**0.93**	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	**12**	1.6	**3.2**	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	**25**	1.6	**3.7**	0.23	
108-90-7	Chlorobenzene	ND	1.6	ND	0.35	
100-41-4	Ethylbenzene	**4.3**	1.6	**1.0**	0.37	
179601-23-1	*m,p*-Xylenes	**13**	1.6	**3.0**	0.37	
75-25-2	Bromoform	ND	1.6	ND	0.15	
100-42-5	Styrene	ND	1.6	ND	0.37	
95-47-6	o-Xylene	**4.7**	1.6	**1.1**	0.37	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	ND	0.23	
541-73-1	1,3-Dichlorobenzene	ND	1.6	ND	0.26	
106-46-7	1,4-Dichlorobenzene	ND	1.6	ND	0.26	
95-50-1	1,2-Dichlorobenzene	ND	1.6	ND	0.26	

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

Verified By: MJ Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-37-S-3-12-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-005

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: AC00112

Date Collected: 3/12/07
Date Received: 3/14/07
Date(s) Analyzed: 3/23/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.7 Pf 1 = 3.8

Can D.F. = 1.68

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.7	ND	0.81	
75-01-4	Vinyl Chloride	ND	1.7	ND	0.66	
74-83-9	Bromomethane	ND	1.7	ND	0.43	
75-00-3	Chloroethane	ND	1.7	ND	0.64	
67-64-1	Acetone	**21**	8.4	**8.9**	3.5	**M**
75-69-4	Trichlorofluoromethane	**150**	1.7	**27**	0.30	
75-35-4	1,1-Dichloroethene	ND	1.7	ND	0.42	
75-09-2	Methylene chloride	ND	1.7	ND	0.48	
76-13-1	Trichlorotrifluoroethane	**3.5**	1.7	**0.46**	0.22	
75-15-0	Carbon Disulfide	**5.9**	1.7	**1.9**	0.54	
156-60-5	trans-1,2-Dichloroethene	ND	1.7	ND	0.42	
75-34-3	1,1-Dichloroethane	ND	1.7	ND	0.42	
1634-04-4	Methyl tert-Butyl Ether	ND	1.7	ND	0.47	
108-05-4	Vinyl Acetate	ND	1.7	ND	0.48	
78-93-3	2-Butanone (MEK)	**3.4**	1.7	**1.2**	0.57	
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	0.42	
71-55-6	1,1,1-Trichloroethane	ND	1.7	ND	0.31	
71-43-2	Benzene	**30**	1.7	**9.5**	0.53	
56-23-5	Carbon Tetrachloride	ND	1.7	ND	0.27	
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.
M = Matrix interference; results may be biased high.

Verified By: MJ Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-37-S-3-12-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-005

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: AC00112

Date Collected: 3/12/07
Date Received: 3/14/07
Date(s) Analyzed: 3/23/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.7 Pf 1 = 3.8

Can D.F. = 1.68

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.7	ND	0.25	
79-01-6	Trichloroethene	ND	1.7	ND	0.31	
10061-01-5	cis-1,3-Dichloropropene	ND	1.7	ND	0.37	
108-10-1	4-Methyl-2-pentanone	ND	1.7	ND	0.41	
10061-02-6	trans-1,3-Dichloropropene	ND	1.7	ND	0.37	
79-00-5	1,1,2-Trichloroethane	ND	1.7	ND	0.31	
108-88-3	Toluene	**18**	1.7	**4.9**	0.45	
591-78-6	2-Hexanone	ND	1.7	ND	0.41	
124-48-1	Dibromochloromethane	ND	1.7	ND	0.20	
106-93-4	1,2-Dibromoethane	ND	1.7	ND	0.22	
127-18-4	Tetrachloroethene	**6.5**	1.7	**0.96**	0.25	
108-90-7	Chlorobenzene	ND	1.7	ND	0.36	
100-41-4	Ethylbenzene	**5.0**	1.7	**1.2**	0.39	
179601-23-1	*m,p*-Xylenes	**19**	1.7	**4.4**	0.39	
75-25-2	Bromoform	ND	1.7	ND	0.16	
100-42-5	Styrene	**1.7**	1.7	**0.41**	0.39	
95-47-6	o-Xylene	**7.0**	1.7	**1.6**	0.39	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.7	ND	0.24	
541-73-1	1,3-Dichlorobenzene	ND	1.7	ND	0.28	
106-46-7	1,4-Dichlorobenzene	ND	1.7	ND	0.28	
95-50-1	1,2-Dichlorobenzene	ND	1.7	ND	0.28	

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

Verified By: MJ Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-37-S-3-12-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-005DUP

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00112

Date Collected: 3/12/07
Date Received: 3/14/07
Date(s) Analyzed: 3/24/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.7 Pf 1 = 3.8

Can D.F. = 1.68

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.7	ND	0.81	
75-01-4	Vinyl Chloride	ND	1.7	ND	0.66	
74-83-9	Bromomethane	ND	1.7	ND	0.43	
75-00-3	Chloroethane	ND	1.7	ND	0.64	
67-64-1	Acetone	**21**	8.4	**8.8**	3.5	**M**
75-69-4	Trichlorofluoromethane	**150**	1.7	**28**	0.30	
75-35-4	1,1-Dichloroethene	ND	1.7	ND	0.42	
75-09-2	Methylene chloride	ND	1.7	ND	0.48	
76-13-1	Trichlorotrifluoroethane	**3.6**	1.7	**0.47**	0.22	
75-15-0	Carbon Disulfide	**5.8**	1.7	**1.9**	0.54	
156-60-5	trans-1,2-Dichloroethene	ND	1.7	ND	0.42	
75-34-3	1,1-Dichloroethane	ND	1.7	ND	0.42	
1634-04-4	Methyl tert-Butyl Ether	ND	1.7	ND	0.47	
108-05-4	Vinyl Acetate	ND	1.7	ND	0.48	
78-93-3	2-Butanone (MEK)	**3.4**	1.7	**1.2**	0.57	
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	0.42	
71-55-6	1,1,1-Trichloroethane	ND	1.7	ND	0.31	
71-43-2	Benzene	**30**	1.7	**9.5**	0.53	
56-23-5	Carbon Tetrachloride	ND	1.7	ND	0.27	
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.
M = Matrix interference; results may be biased high.

Verified By: µ Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-37-S-3-12-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-005DUP

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00112

Date Collected: 3/12/07
Date Received: 3/14/07
Date(s) Analyzed: 3/24/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.7 Pf 1 = 3.8

Can D.F. = 1.68

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.7	ND	0.25	
79-01-6	Trichloroethene	ND	1.7	ND	0.31	
10061-01-5	cis-1,3-Dichloropropene	ND	1.7	ND	0.37	
108-10-1	4-Methyl-2-pentanone	ND	1.7	ND	0.41	
10061-02-6	trans-1,3-Dichloropropene	ND	1.7	ND	0.37	
79-00-5	1,1,2-Trichloroethane	ND	1.7	ND	0.31	
108-88-3	Toluene	**19**	1.7	**5.0**	0.45	
591-78-6	2-Hexanone	ND	1.7	ND	0.41	
124-48-1	Dibromochloromethane	ND	1.7	ND	0.20	
106-93-4	1,2-Dibromoethane	ND	1.7	ND	0.22	
127-18-4	Tetrachloroethene	**6.8**	1.7	**1.0**	0.25	
108-90-7	Chlorobenzene	ND	1.7	ND	0.36	
100-41-4	Ethylbenzene	**5.2**	1.7	**1.2**	0.39	
179601-23-1	*m,p*-Xylenes	**20**	1.7	**4.5**	0.39	
75-25-2	Bromoform	ND	1.7	ND	0.16	
100-42-5	Styrene	**1.8**	1.7	**0.43**	0.39	
95-47-6	o-Xylene	**7.1**	1.7	**1.6**	0.39	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.7	ND	0.24	
541-73-1	1,3-Dichlorobenzene	ND	1.7	ND	0.28	
106-46-7	1,4-Dichlorobenzene	ND	1.7	ND	0.28	
95-50-1	1,2-Dichlorobenzene	ND	1.7	ND	0.28	

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

Verified By: KJ Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-37-D-3-12-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-006

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: SC00620

Date Collected: 3/12/07
Date Received: 3/14/07
Date(s) Analyzed: 3/23 - 3/24/07
Volume(s) Analyzed: 1.00 Liter(s)
0.025 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	**13**	7.9	**5.5**	3.3	M
75-69-4	Trichlorofluoromethane	**400**	1.6	**72**	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	**9.3**	1.6	**1.2**	0.21	
75-15-0	Carbon Disulfide	ND	1.6	ND	0.51	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	ND	0.40	
75-34-3	1,1-Dichloroethane	ND	1.6	ND	0.39	
1634-04-4	Methyl tert-Butyl Ether	ND	1.6	ND	0.44	
108-05-4	Vinyl Acetate	ND	1.6	ND	0.45	
78-93-3	2-Butanone (MEK)	**4.3**	1.6	**1.5**	0.54	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	ND	0.40	
67-66-3	Chloroform	ND	1.6	ND	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	**90**	1.6	**28**	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: µ Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-37-D-3-12-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-006

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: SC00620

Date Collected: 3/12/07
Date Received: 3/14/07
Date(s) Analyzed: 3/23 - 3/24/07
Volume(s) Analyzed: 1.00 Liter(s)
0.025 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	**2.7**	1.6	**0.50**	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	**10**	1.6	**2.8**	0.42	
591-78-6	2-Hexanone	**2.0**	1.6	**0.49**	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	**62**	1.6	**9.2**	0.23	
108-90-7	Chlorobenzene	ND	1.6	ND	0.34	
100-41-4	Ethylbenzene	**4.1**	1.6	**0.94**	0.36	
179601-23-1	*m,p*-Xylenes	**13**	1.6	**2.9**	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	**4.9**	1.6	**1.1**	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: MW Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-37-D-3-12-07-SC**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-007

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: AC00865

Date Collected: 3/12/07
Date Received: 3/14/07
Date(s) Analyzed: 3/24/07
Volume(s) Analyzed: 1.00 Liter(s)
0.10 Liter(s)

Pi 1 = -3.4 Pf 1 = 3.8
Can D.F. = 1.64

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.6	ND	0.79	
75-01-4	Vinyl Chloride	ND	1.6	ND	0.64	
74-83-9	Bromomethane	ND	1.6	ND	0.42	
75-00-3	Chloroethane	ND	1.6	ND	0.62	
67-64-1	Acetone	**36**	8.2	**15**	3.5	
75-69-4	Trichlorofluoromethane	**410**	1.6	**74**	0.29	
75-35-4	1,1-Dichloroethene	ND	1.6	ND	0.41	
75-09-2	Methylene chloride	ND	1.6	ND	0.47	
76-13-1	Trichlorotrifluoroethane	**9.4**	1.6	**1.2**	0.21	
75-15-0	Carbon Disulfide	ND	1.6	ND	0.53	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	ND	0.41	
75-34-3	1,1-Dichloroethane	ND	1.6	ND	0.41	
1634-04-4	Methyl tert-Butyl Ether	ND	1.6	ND	0.46	
108-05-4	Vinyl Acetate	**7.8**	1.6	**2.2**	0.47	**M**
78-93-3	2-Butanone (MEK)	**5.1**	1.6	**1.7**	0.56	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	ND	0.41	
67-66-3	Chloroform	ND	1.6	ND	0.34	
107-06-2	1,2-Dichloroethane	ND	1.6	ND	0.41	
71-55-6	1,1,1-Trichloroethane	ND	1.6	ND	0.30	
71-43-2	Benzene	**67**	1.6	**21**	0.51	
56-23-5	Carbon Tetrachloride	ND	1.6	ND	0.26	
78-87-5	1,2-Dichloropropane	ND	1.6	ND	0.35	

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

Verified By: MJ Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-37-D-3-12-07-SC**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-007

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: AC00865

Date Collected: 3/12/07
Date Received: 3/14/07
Date(s) Analyzed: 3/24/07
Volume(s) Analyzed: 1.00 Liter(s)
0.10 Liter(s)

Pi 1 = -3.4 Pf 1 = 3.8

Can D.F. = 1.64

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.6	ND	0.24	
79-01-6	Trichloroethene	**2.7**	1.6	**0.49**	0.31	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	ND	0.36	
108-10-1	4-Methyl-2-pentanone	ND	1.6	ND	0.40	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	ND	0.36	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ND	0.30	
108-88-3	Toluene	**9.2**	1.6	**2.4**	0.44	
591-78-6	2-Hexanone	**1.8**	1.6	**0.43**	0.40	
124-48-1	Dibromochloromethane	ND	1.6	ND	0.19	
106-93-4	1,2-Dibromoethane	ND	1.6	ND	0.21	
127-18-4	Tetrachloroethene	**69**	1.6	**10**	0.24	
108-90-7	Chlorobenzene	ND	1.6	ND	0.36	
100-41-4	Ethylbenzene	**3.3**	1.6	**0.75**	0.38	
179601-23-1	*m,p*-Xylenes	**11**	1.6	**2.5**	0.38	
75-25-2	Bromoform	ND	1.6	ND	0.16	
100-42-5	Styrene	ND	1.6	ND	0.39	
95-47-6	o-Xylene	**4.1**	1.6	**0.95**	0.38	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	ND	0.24	
541-73-1	1,3-Dichlorobenzene	ND	1.6	ND	0.27	
106-46-7	1,4-Dichlorobenzene	ND	1.6	ND	0.27	
95-50-1	1,2-Dichlorobenzene	ND	1.6	ND	0.27	

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

Verified By: ω Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-36-S-3-13-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-008

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: SC00235

Date Collected: 3/13/07
Date Received: 3/14/07
Date(s) Analyzed: 3/23/07
Volume(s) Analyzed: 1.00 Liter(s)
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
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	**20**	8.3	**8.4**	3.5	
75-69-4	Trichlorofluoromethane	**2.1**	1.7	**0.37**	0.29	
75-35-4	1,1-Dichloroethene	ND	1.7	ND	0.42	
75-09-2	Methylene chloride	ND	1.7	ND	0.48	
76-13-1	Trichlorotrifluoroethane	ND	1.7	ND	0.22	
75-15-0	Carbon Disulfide	ND	1.7	ND	0.53	
156-60-5	trans-1,2-Dichloroethene	ND	1.7	ND	0.42	
75-34-3	1,1-Dichloroethane	ND	1.7	ND	0.41	
1634-04-4	Methyl tert-Butyl Ether	ND	1.7	ND	0.46	
108-05-4	Vinyl Acetate	ND	1.7	ND	0.47	
78-93-3	2-Butanone (MEK)	**3.1**	1.7	**1.0**	0.56	
156-59-2	cis-1,2-Dichloroethene	ND	1.7	ND	0.42	
67-66-3	Chloroform	**4.0**	1.7	**0.82**	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	**29**	1.7	**9.0**	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: MJ Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-36-S-3-13-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-008

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: SC00235

Date Collected: 3/13/07
Date Received: 3/14/07
Date(s) Analyzed: 3/23/07
Volume(s) Analyzed: 1.00 Liter(s)
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
75-27-4	Bromodichloromethane	ND	1.7	ND	0.25	
79-01-6	Trichloroethene	**430**	1.7	**81**	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	**11**	1.7	**2.8**	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	**18**	1.7	**2.6**	0.24	
108-90-7	Chlorobenzene	ND	1.7	ND	0.36	
100-41-4	Ethylbenzene	**3.8**	1.7	**0.88**	0.38	
179601-23-1	*m,p*-Xylenes	**13**	1.7	**3.1**	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	**5.3**	1.7	**1.2**	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: ~~~ Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-36-D-3-13-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-009

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: SC00190

Date Collected: 3/13/07
Date Received: 3/14/07
Date(s) Analyzed: 3/23/07
Volume(s) Analyzed: 0.50 Liter(s)

Pi 1 = -3.1 Pf 1 = 3.9

Can D.F. = 1.60

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	3.2	ND	1.6	
75-01-4	Vinyl Chloride	ND	3.2	ND	1.3	
74-83-9	Bromomethane	ND	3.2	ND	0.82	
75-00-3	Chloroethane	ND	3.2	ND	1.2	
67-64-1	Acetone	**38**	16	**16**	6.7	**M**
75-69-4	Trichlorofluoromethane	**6.3**	3.2	**1.1**	0.57	
75-35-4	1,1-Dichloroethene	ND	3.2	ND	0.81	
75-09-2	Methylene chloride	ND	3.2	ND	0.92	
76-13-1	Trichlorotrifluoroethane	ND	3.2	ND	0.42	
75-15-0	Carbon Disulfide	ND	3.2	ND	1.0	
156-60-5	trans-1,2-Dichloroethene	ND	3.2	ND	0.81	
75-34-3	1,1-Dichloroethane	ND	3.2	ND	0.79	
1634-04-4	Methyl tert-Butyl Ether	ND	3.2	ND	0.89	
108-05-4	Vinyl Acetate	ND	3.2	ND	0.91	
78-93-3	2-Butanone (MEK)	**11**	3.2	**3.7**	1.1	
156-59-2	cis-1,2-Dichloroethene	ND	3.2	ND	0.81	
67-66-3	Chloroform	ND	3.2	ND	0.66	
107-06-2	1,2-Dichloroethane	ND	3.2	ND	0.79	
71-55-6	1,1,1-Trichloroethane	ND	3.2	ND	0.59	
71-43-2	Benzene	**310**	3.2	**97**	1.0	
56-23-5	Carbon Tetrachloride	ND	3.2	ND	0.51	
78-87-5	1,2-Dichloropropane	ND	3.2	ND	0.69	

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: ___ Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-36-D-3-13-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-009

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: SC00190

Date Collected: 3/13/07
Date Received: 3/14/07
Date(s) Analyzed: 3/23/07
Volume(s) Analyzed: 0.50 Liter(s)

Pi 1 = -3.1 Pf 1 = 3.9

Can D.F. = 1.60

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	3.2	ND	0.48	
79-01-6	Trichloroethene	**8.0**	3.2	**1.5**	0.60	
10061-01-5	cis-1,3-Dichloropropene	ND	3.2	ND	0.71	
108-10-1	4-Methyl-2-pentanone	ND	3.2	ND	0.78	
10061-02-6	trans-1,3-Dichloropropene	ND	3.2	ND	0.71	
79-00-5	1,1,2-Trichloroethane	ND	3.2	ND	0.59	
108-88-3	Toluene	**14**	3.2	**3.6**	0.85	
591-78-6	2-Hexanone	ND	3.2	ND	0.78	
124-48-1	Dibromochloromethane	ND	3.2	ND	0.38	
106-93-4	1,2-Dibromoethane	ND	3.2	ND	0.42	
127-18-4	Tetrachloroethene	**14**	3.2	**2.1**	0.47	
108-90-7	Chlorobenzene	ND	3.2	ND	0.70	
100-41-4	Ethylbenzene	**4.3**	3.2	**0.98**	0.74	
179601-23-1	*m,p*-Xylenes	**13**	3.2	**3.0**	0.74	
75-25-2	Bromoform	ND	3.2	ND	0.31	
100-42-5	Styrene	ND	3.2	ND	0.75	
95-47-6	o-Xylene	**4.5**	3.2	**1.0**	0.74	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.2	ND	0.47	
541-73-1	1,3-Dichlorobenzene	ND	3.2	ND	0.53	
106-46-7	1,4-Dichlorobenzene	ND	3.2	ND	0.53	
95-50-1	1,2-Dichlorobenzene	ND	3.2	ND	0.53	

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: LM Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-35-S-3-13-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-010

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: SC00241

Date Collected: 3/13/07
Date Received: 3/14/07
Date(s) Analyzed: 3/24/07
Volume(s) Analyzed: 0.20 Liter(s)

Pi 1 = -3.2 Pf 1 = 3.7

Can D.F. = 1.60

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	8.0	ND	3.9	
75-01-4	Vinyl Chloride	ND	8.0	ND	3.1	
74-83-9	Bromomethane	ND	8.0	ND	2.1	
75-00-3	Chloroethane	ND	8.0	ND	3.0	
67-64-1	Acetone	**53**	40	**22**	17	
75-69-4	Trichlorofluoromethane	ND	8.0	ND	1.4	
75-35-4	1,1-Dichloroethene	ND	8.0	ND	2.0	
75-09-2	Methylene chloride	ND	8.0	ND	2.3	
76-13-1	Trichlorotrifluoroethane	ND	8.0	ND	1.0	
75-15-0	Carbon Disulfide	**40**	8.0	**13**	2.6	
156-60-5	trans-1,2-Dichloroethene	ND	8.0	ND	2.0	
75-34-3	1,1-Dichloroethane	ND	8.0	ND	2.0	
1634-04-4	Methyl tert-Butyl Ether	ND	8.0	ND	2.2	
108-05-4	Vinyl Acetate	ND	8.0	ND	2.3	
78-93-3	2-Butanone (MEK)	**20**	8.0	**6.6**	2.7	
156-59-2	cis-1,2-Dichloroethene	ND	8.0	ND	2.0	
67-66-3	Chloroform	ND	8.0	ND	1.6	
107-06-2	1,2-Dichloroethane	ND	8.0	ND	2.0	
71-55-6	1,1,1-Trichloroethane	ND	8.0	ND	1.5	
71-43-2	Benzene	**410**	8.0	**130**	2.5	
56-23-5	Carbon Tetrachloride	ND	8.0	ND	1.3	
78-87-5	1,2-Dichloropropane	ND	8.0	ND	1.7	

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

Verified By: MU Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-35-S-3-13-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-010

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: SC00241

Date Collected: 3/13/07
Date Received: 3/14/07
Date(s) Analyzed: 3/24/07
Volume(s) Analyzed: 0.20 Liter(s)

Pi 1 = -3.2 Pf 1 = 3.7

Can D.F. = 1.60

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	8.0	ND	1.2	
79-01-6	Trichloroethene	**31**	8.0	**5.7**	1.5	
10061-01-5	cis-1,3-Dichloropropene	ND	8.0	ND	1.8	
108-10-1	4-Methyl-2-pentanone	ND	8.0	ND	2.0	
10061-02-6	trans-1,3-Dichloropropene	ND	8.0	ND	1.8	
79-00-5	1,1,2-Trichloroethane	ND	8.0	ND	1.5	
108-88-3	Toluene	**13**	8.0	**3.5**	2.1	
591-78-6	2-Hexanone	ND	8.0	ND	2.0	
124-48-1	Dibromochloromethane	ND	8.0	ND	0.94	
106-93-4	1,2-Dibromoethane	ND	8.0	ND	1.0	
127-18-4	Tetrachloroethene	**17**	8.0	**2.5**	1.2	
108-90-7	Chlorobenzene	ND	8.0	ND	1.7	
100-41-4	Ethylbenzene	ND	8.0	ND	1.8	
179601-23-1	*m,p*-Xylenes	**12**	8.0	**2.9**	1.8	
75-25-2	Bromoform	ND	8.0	ND	0.77	
100-42-5	Styrene	ND	8.0	ND	1.9	
95-47-6	o-Xylene	ND	8.0	ND	1.8	
79-34-5	1,1,2,2-Tetrachloroethane	ND	8.0	ND	1.2	
541-73-1	1,3-Dichlorobenzene	ND	8.0	ND	1.3	
106-46-7	1,4-Dichlorobenzene	ND	8.0	ND	1.3	
95-50-1	1,2-Dichlorobenzene	ND	8.0	ND	1.3	

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: LW Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-35-D-3-13-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-011

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: SC00632

Date Collected: 3/13/07
Date Received: 3/14/07
Date(s) Analyzed: 3/23/07
Volume(s) Analyzed: 0.040 Liter(s)

Pi 1 = -3.5 Pf 1 = 3.7

Can D.F. = 1.64

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	41	ND	20	
75-01-4	Vinyl Chloride	ND	41	ND	16	
74-83-9	Bromomethane	ND	41	ND	11	
75-00-3	Chloroethane	ND	41	ND	16	
67-64-1	Acetone	ND	210	ND	86	
75-69-4	Trichlorofluoromethane	ND	41	ND	7.3	
75-35-4	1,1-Dichloroethene	ND	41	ND	10	
75-09-2	Methylene chloride	ND	41	ND	12	
76-13-1	Trichlorotrifluoroethane	ND	41	ND	5.4	
75-15-0	Carbon Disulfide	ND	41	ND	13	
156-60-5	trans-1,2-Dichloroethene	ND	41	ND	10	
75-34-3	1,1-Dichloroethane	ND	41	ND	10	
1634-04-4	Methyl tert-Butyl Ether	ND	41	ND	11	
108-05-4	Vinyl Acetate	ND	41	ND	12	
78-93-3	2-Butanone (MEK)	ND	41	ND	14	
156-59-2	cis-1,2-Dichloroethene	ND	41	ND	10	
67-66-3	Chloroform	**110**	41	**23**	8.4	
107-06-2	1,2-Dichloroethane	ND	41	ND	10	
71-55-6	1,1,1-Trichloroethane	ND	41	ND	7.5	
71-43-2	Benzene	**50**	41	**16**	13	
56-23-5	Carbon Tetrachloride	ND	41	ND	6.5	
78-87-5	1,2-Dichloropropane	ND	41	ND	8.9	

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: HJ Date: 3/30/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-35-D-3-13-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-011

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: SC00632

Date Collected: 3/13/07
Date Received: 3/14/07
Date(s) Analyzed: 3/23/07
Volume(s) Analyzed: 0.040 Liter(s)

Pi 1 = -3.5 Pf 1 = 3.7

Can D.F. = 1.64

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	41	ND	6.1	
79-01-6	Trichloroethene	**4,000**	41	**750**	7.6	
10061-01-5	cis-1,3-Dichloropropene	ND	41	ND	9.0	
108-10-1	4-Methyl-2-pentanone	ND	41	ND	10	
10061-02-6	trans-1,3-Dichloropropene	ND	41	ND	9.0	
79-00-5	1,1,2-Trichloroethane	ND	41	ND	7.5	
108-88-3	Toluene	ND	41	ND	11	
591-78-6	2-Hexanone	ND	41	ND	10	
124-48-1	Dibromochloromethane	ND	41	ND	4.8	
106-93-4	1,2-Dibromoethane	ND	41	ND	5.3	
127-18-4	Tetrachloroethene	**62**	41	**9.2**	6.0	
108-90-7	Chlorobenzene	ND	41	ND	8.9	
100-41-4	Ethylbenzene	ND	41	ND	9.4	
179601-23-1	*m,p*-Xylenes	ND	41	ND	9.4	
75-25-2	Bromoform	ND	41	ND	4.0	
100-42-5	Styrene	ND	41	ND	9.6	
95-47-6	o-Xylene	ND	41	ND	9.4	
79-34-5	1,1,2,2-Tetrachloroethane	ND	41	ND	6.0	
541-73-1	1,3-Dichlorobenzene	ND	41	ND	6.8	
106-46-7	1,4-Dichlorobenzene	ND	41	ND	6.8	
95-50-1	1,2-Dichlorobenzene	ND	41	ND	6.8	

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: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-34-S-3-13-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-012

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00897

Date Collected: 3/13/07
Date Received: 3/14/07
Date(s) Analyzed: 3/24/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.2 Pf 1 = 3.7

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	**25**	8.0	**11**	3.4	
75-69-4	Trichlorofluoromethane	ND	1.6	ND	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	ND	1.6	ND	0.21	
75-15-0	Carbon Disulfide	**29**	1.6	**9.5**	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	**8.0**	1.6	**2.3**	0.45	**M**
78-93-3	2-Butanone (MEK)	**11**	1.6	**3.6**	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	**94**	1.6	**30**	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: w Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-34-S-3-13-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-012

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00897

Date Collected: 3/13/07
Date Received: 3/14/07
Date(s) Analyzed: 3/24/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.2 Pf 1 = 3.7

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	**26**	1.6	**6.9**	0.42	
591-78-6	2-Hexanone	**2.2**	1.6	**0.54**	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	**7.6**	1.6	**1.1**	0.24	
108-90-7	Chlorobenzene	ND	1.6	ND	0.35	
100-41-4	Ethylbenzene	**8.3**	1.6	**1.9**	0.37	
179601-23-1	*m,p*-Xylenes	**42**	1.6	**9.6**	0.37	
75-25-2	Bromoform	ND	1.6	ND	0.15	
100-42-5	Styrene	**2.2**	1.6	**0.52**	0.38	
95-47-6	o-Xylene	**13**	1.6	**2.9**	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: LY Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-34-I-3-13-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-013

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: SC00326

Date Collected: 3/13/07
Date Received: 3/14/07
Date(s) Analyzed: 3/24/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.9 Pf 1 = 3.6
Can D.F. = 1.69

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.7	ND	0.82	
75-01-4	Vinyl Chloride	ND	1.7	ND	0.66	
74-83-9	Bromomethane	ND	1.7	ND	0.44	
75-00-3	Chloroethane	ND	1.7	ND	0.64	
67-64-1	Acetone	**27**	8.5	**12**	3.6	**M**
75-69-4	Trichlorofluoromethane	ND	1.7	ND	0.30	
75-35-4	1,1-Dichloroethene	ND	1.7	ND	0.43	
75-09-2	Methylene chloride	ND	1.7	ND	0.49	
76-13-1	Trichlorotrifluoroethane	ND	1.7	ND	0.22	
75-15-0	Carbon Disulfide	ND	1.7	ND	0.54	
156-60-5	trans-1,2-Dichloroethene	ND	1.7	ND	0.43	
75-34-3	1,1-Dichloroethane	ND	1.7	ND	0.42	
1634-04-4	Methyl tert-Butyl Ether	ND	1.7	ND	0.47	
108-05-4	Vinyl Acetate	ND	1.7	ND	0.48	
78-93-3	2-Butanone (MEK)	**5.5**	1.7	**1.9**	0.57	
156-59-2	cis-1,2-Dichloroethene	ND	1.7	ND	0.43	
67-66-3	Chloroform	ND	1.7	ND	0.35	
107-06-2	1,2-Dichloroethane	ND	1.7	ND	0.42	
71-55-6	1,1,1-Trichloroethane	ND	1.7	ND	0.31	
71-43-2	Benzene	**110**	1.7	**35**	0.53	
56-23-5	Carbon Tetrachloride	ND	1.7	ND	0.27	
78-87-5	1,2-Dichloropropane	ND	1.7	ND	0.37	

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

Verified By: ~~W~~ Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-34-I-3-13-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-013

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: SC00326

Date Collected: 3/13/07
Date Received: 3/14/07
Date(s) Analyzed: 3/24/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.9 Pf 1 = 3.6

Can D.F. = 1.69

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.7	ND	0.25	
79-01-6	Trichloroethene	ND	1.7	ND	0.31	
10061-01-5	cis-1,3-Dichloropropene	ND	1.7	ND	0.37	
108-10-1	4-Methyl-2-pentanone	ND	1.7	ND	0.41	
10061-02-6	trans-1,3-Dichloropropene	ND	1.7	ND	0.37	
79-00-5	1,1,2-Trichloroethane	ND	1.7	ND	0.31	
108-88-3	Toluene	**6.0**	1.7	**1.6**	0.45	
591-78-6	2-Hexanone	ND	1.7	ND	0.41	
124-48-1	Dibromochloromethane	ND	1.7	ND	0.20	
106-93-4	1,2-Dibromoethane	ND	1.7	ND	0.22	
127-18-4	Tetrachloroethene	ND	1.7	ND	0.25	
108-90-7	Chlorobenzene	ND	1.7	ND	0.37	
100-41-4	Ethylbenzene	ND	1.7	ND	0.39	
179601-23-1	*m,p*-Xylenes	**4.8**	1.7	**1.1**	0.39	
75-25-2	Bromoform	ND	1.7	ND	0.16	
100-42-5	Styrene	ND	1.7	ND	0.40	
95-47-6	o-Xylene	ND	1.7	ND	0.39	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.7	ND	0.25	
541-73-1	1,3-Dichlorobenzene	ND	1.7	ND	0.28	
106-46-7	1,4-Dichlorobenzene	ND	1.7	ND	0.28	
95-50-1	1,2-Dichlorobenzene	ND	1.7	ND	0.28	

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

Verified By: MJ Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-34-D-3-13-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-014

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: SC00772

Date Collected: 3/13/07
Date Received: 3/14/07
Date(s) Analyzed: 3/24/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.4 Pf 1 = 3.5

Can D.F. = 1.61

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.6	ND	0.78	
75-01-4	Vinyl Chloride	ND	1.6	ND	0.63	
74-83-9	Bromomethane	ND	1.6	ND	0.41	
75-00-3	Chloroethane	ND	1.6	ND	0.61	
67-64-1	Acetone	**23**	8.1	**9.8**	3.4	**M**
75-69-4	Trichlorofluoromethane	ND	1.6	ND	0.29	
75-35-4	1,1-Dichloroethene	ND	1.6	ND	0.41	
75-09-2	Methylene chloride	ND	1.6	ND	0.46	
76-13-1	Trichlorotrifluoroethane	**1.6**	1.6	**0.21**	0.21	
75-15-0	Carbon Disulfide	ND	1.6	ND	0.52	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	ND	0.41	
75-34-3	1,1-Dichloroethane	ND	1.6	ND	0.40	
1634-04-4	Methyl tert-Butyl Ether	ND	1.6	ND	0.45	
108-05-4	Vinyl Acetate	ND	1.6	ND	0.46	
78-93-3	2-Butanone (MEK)	**5.1**	1.6	**1.7**	0.55	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	ND	0.41	
67-66-3	Chloroform	**5.5**	1.6	**1.1**	0.33	
107-06-2	1,2-Dichloroethane	ND	1.6	ND	0.40	
71-55-6	1,1,1-Trichloroethane	ND	1.6	ND	0.30	
71-43-2	Benzene	**140**	1.6	**43**	0.50	
56-23-5	Carbon Tetrachloride	ND	1.6	ND	0.26	
78-87-5	1,2-Dichloropropane	ND	1.6	ND	0.35	

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

Verified By: W Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-34-D-3-13-07**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-014

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: SC00772

Date Collected: 3/13/07
Date Received: 3/14/07
Date(s) Analyzed: 3/24/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.4 Pf 1 = 3.5

Can D.F. = 1.61

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.6	ND	0.24	
79-01-6	Trichloroethene	**25**	1.6	**4.6**	0.30	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	ND	0.35	
108-10-1	4-Methyl-2-pentanone	ND	1.6	ND	0.39	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	ND	0.35	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ND	0.30	
108-88-3	Toluene	**21**	1.6	**5.7**	0.43	
591-78-6	2-Hexanone	**2.5**	1.6	**0.61**	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	**22**	1.6	**3.2**	0.24	
108-90-7	Chlorobenzene	ND	1.6	ND	0.35	
100-41-4	Ethylbenzene	**5.6**	1.6	**1.3**	0.37	
179601-23-1	*m,p*-Xylenes	**22**	1.6	**5.1**	0.37	
75-25-2	Bromoform	ND	1.6	ND	0.16	
100-42-5	Styrene	**1.9**	1.6	**0.44**	0.38	
95-47-6	o-Xylene	**7.2**	1.6	**1.7**	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: LW Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-34-D-3-13-07-SC**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-015

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: SC00229

Date Collected: 3/13/07
Date Received: 3/14/07
Date(s) Analyzed: 3/24/07
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	**13**	7.9	**5.3**	3.3	**M**
75-69-4	Trichlorofluoromethane	ND	1.6	ND	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	**1.6**	1.6	**0.21**	0.21	
75-15-0	Carbon Disulfide	ND	1.6	ND	0.51	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	ND	0.40	
75-34-3	1,1-Dichloroethane	ND	1.6	ND	0.39	
1634-04-4	Methyl tert-Butyl Ether	ND	1.6	ND	0.44	
108-05-4	Vinyl Acetate	ND	1.6	ND	0.45	
78-93-3	2-Butanone (MEK)	**3.6**	1.6	**1.2**	0.54	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	ND	0.40	
67-66-3	Chloroform	**5.7**	1.6	**1.2**	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	**110**	1.6	**34**	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: µJ Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-34-D-3-13-07-SC**
Client Project ID: **WDI**

CAS Project ID: P2700710
CAS Sample ID: P2700710-015

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: SC00229

Date Collected: 3/13/07
Date Received: 3/14/07
Date(s) Analyzed: 3/24/07
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	**26**	1.6	**4.9**	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	**19**	1.6	**5.2**	0.42	
591-78-6	2-Hexanone	**2.0**	1.6	**0.48**	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	**23**	1.6	**3.4**	0.23	
108-90-7	Chlorobenzene	ND	1.6	ND	0.34	
100-41-4	Ethylbenzene	**5.3**	1.6	**1.2**	0.36	
179601-23-1	*m,p*-Xylenes	**22**	1.6	**5.2**	0.36	
75-25-2	Bromoform	ND	1.6	ND	0.15	
100-42-5	Styrene	**2.1**	1.6	**0.48**	0.37	
95-47-6	o-Xylene	**7.3**	1.6	**1.7**	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: MW Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2700710
CAS Sample ID: P070323-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: 3/23/07
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: LW Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2700710
CAS Sample ID: P070323-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: 3/23/07
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: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2700710
CAS Sample ID: P070323-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: 3/23/07
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: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2700710
CAS Sample ID: P070323-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: 3/23/07
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: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2700710
CAS Sample ID: P070324-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: 3/24/07
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: w Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2700710
CAS Sample ID: P070324-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: 3/24/07
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: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2700710

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: 3/12 - 3/13/07
Date Received: 3/14/07
Date Analyzed: 3/23 - 3/24/07

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	P070323-MB	**93**	80-120	**98**	80-120	**103**	80-120	
Method Blank	P070323-MB	**88**	80-120	**100**	80-120	**108**	80-120	
Method Blank	P070324-MB	**90**	80-120	**100**	80-120	**107**	80-120	
Lab Control Sample	P070323-LCS	**97**	80-120	**98**	80-120	**104**	80-120	
Lab Control Sample	P070323-LCS	**92**	80-120	**99**	80-120	**106**	80-120	
Lab Control Sample	P070324-LCS	**91**	80-120	**99**	80-120	**106**	80-120	
Duplicate Lab Control Sample	P070323-DLCS	**94**	80-120	**98**	80-120	**102**	80-120	
Duplicate Lab Control Sample	P070323-DLCS	**92**	80-120	**99**	80-120	**106**	80-120	
Duplicate Lab Control Sample	P070324-DLCS	**92**	80-120	**97**	80-120	**107**	80-120	
WDI-VW-39-S-3-12-07	P2700710-001	**91**	80-120	**98**	80-120	**105**	80-120	
WDI-VW-39-S-3-12-07	P2700710-001DUP	**88**	80-120	**98**	80-120	**105**	80-120	
WDI-VW-39-D-3-12-07	P2700710-002	**88**	80-120	**100**	80-120	**108**	80-120	
WDI-VW-38-S-3-12-07	P2700710-003	**90**	80-120	**98**	80-120	**106**	80-120	
WDI-VW-38-D-3-12-07	P2700710-004	**90**	80-120	**99**	80-120	**105**	80-120	
WDI-VW-37-S-3-12-07	P2700710-005	**90**	80-120	**99**	80-120	**106**	80-120	
WDI-VW-37-S-3-12-07	P2700710-005DUP	**88**	80-120	**100**	80-120	**109**	80-120	
WDI-VW-37-D-3-12-07	P2700710-006	**88**	80-120	**100**	80-120	**111**	80-120	
WDI-VW-37-D-3-12-07-SC	P2700710-007	**87**	80-120	**100**	80-120	**108**	80-120	
WDI-VW-36-S-3-13-07	P2700710-008	**89**	80-120	**97**	80-120	**106**	80-120	
WDI-VW-36-D-3-13-07	P2700710-009	**89**	80-120	**99**	80-120	**107**	80-120	
WDI-VW-35-S-3-13-07	P2700710-010	**94**	80-120	**99**	80-120	**107**	80-120	
WDI-VW-35-D-3-13-07	P2700710-011	**101**	80-120	**99**	80-120	**106**	80-120	
WDI-VW-34-S-3-13-07	P2700710-012	**89**	80-120	**99**	80-120	**109**	80-120	
WDI-VW-34-I-3-13-07	P2700710-013	**88**	80-120	**100**	80-120	**110**	80-120	
WDI-VW-34-D-3-13-07	P2700710-014	**88**	80-120	**99**	80-120	**110**	80-120	
WDI-VW-34-D-3-13-07-SC	P2700710-015	**88**	80-120	**100**	80-120	**109**	80-120	

Verified By: MJ Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2700710
CAS Sample ID: P070323-LCS, P070323-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: 3/23/07
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	23.3	21.9	96	90	65-135	6	35	
Vinyl Chloride	24.8	25.4	26.7	102	108	65-135	6	35	
Bromomethane	25.0	23.7	25.3	95	101	65-135	6	35	
Chloroethane	25.0	19.4	20.6	78	82	65-135	5	35	
Acetone	26.5	22.0	23.7	83	89	65-135	7	35	
Trichlorofluoromethane	24.3	22.3	23.6	92	97	65-135	5	35	
1,1-Dichloroethene	27.3	25.1	26.9	92	99	65-135	7	35	
Methylene chloride	26.8	23.0	25.0	86	93	65-135	8	35	
Trichlorotrifluoroethane	27.0	24.8	26.9	92	100	65-135	8	35	
Carbon Disulfide	25.0	22.5	24.1	90	96	65-135	6	35	
trans-1,2-Dichloroethene	26.3	24.2	26.0	92	99	65-135	7	35	
1,1-Dichloroethane	26.3	24.7	25.8	94	98	65-135	4	35	
Methyl tert-Butyl Ether	26.3	24.7	26.6	94	101	65-135	7	35	
Vinyl Acetate	24.3	25.4	27.2	105	112	65-135	6	35	
2-Butanone (MEK)	26.8	24.7	26.3	92	98	65-135	6	35	
cis-1,2-Dichloroethene	26.5	24.4	25.9	92	98	65-135	6	35	
Chloroform	30.0	25.4	26.9	85	90	65-135	6	35	
1,2-Dichloroethane	26.0	24.2	25.3	93	97	65-135	4	35	
1,1,1-Trichloroethane	26.3	23.8	26.1	90	99	65-135	10	35	
Benzene	26.3	23.8	25.7	90	98	65-135	9	35	
Carbon Tetrachloride	25.8	25.3	27.0	98	105	65-135	7	35	
1,2-Dichloropropane	26.0	23.7	25.5	91	98	65-135	7	35	

Verified By: KJ Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2700710
CAS Sample ID: P070323-LCS, P070323-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: 3/23/07
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	25.0	26.7	91	97	65-135	6	35	
Trichloroethene	27.3	24.7	26.8	90	98	65-135	9	35	
cis-1,3-Dichloropropene	26.0	23.2	25.1	89	97	65-135	9	35	
4-Methyl-2-pentanone	26.5	25.8	28.1	97	106	65-135	9	35	
trans-1,3-Dichloropropene	27.8	26.2	28.3	94	102	65-135	8	35	
1,1,2-Trichloroethane	25.8	24.1	25.9	93	100	65-135	7	35	
Toluene	26.0	23.1	25.0	89	96	65-135	8	35	
2-Hexanone	26.0	23.8	25.4	92	98	65-135	6	35	
Dibromochloromethane	26.5	24.6	26.6	93	100	65-135	7	35	
1,2-Dibromoethane	26.0	23.8	25.9	92	100	65-135	8	35	
Tetrachloroethene	25.8	23.3	25.2	90	98	65-135	9	35	
Chlorobenzene	26.0	23.2	25.1	89	97	65-135	9	35	
Ethylbenzene	25.8	23.6	25.5	91	99	65-135	8	35	
m,p-Xylenes	61.5	56.3	61.1	92	99	65-135	7	35	
Bromoform	31.3	28.5	31.0	91	99	65-135	8	35	
Styrene	25.8	24.0	25.9	93	100	65-135	7	35	
o-Xylene	29.0	26.7	28.9	92	100	65-135	8	35	
1,1,2,2-Tetrachloroethane	29.3	27.2	29.1	93	99	65-135	6	35	
1,3-Dichlorobenzene	25.3	23.9	25.8	94	102	65-135	8	35	
1,4-Dichlorobenzene	26.0	24.8	26.8	95	103	65-135	8	35	
1,2-Dichlorobenzene	25.5	24.5	26.4	96	104	65-135	8	35	

Verified By: MJ Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2700710
CAS Sample ID: P070323-LCS, P070323-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: 3/23/07
Volume(s) Analyzed: NA

Compound	Spike Amt LCS/DLCS ng	Result LCS ng	Result DLCS ng	% Recovery LCS	% Recovery DLCS	Acceptance Limits	RPD	RPD Limit %	Data Qualifier
Chloromethane	24.3	20.6	19.2	85	79	65-135	7	35	
Vinyl Chloride	24.8	22.4	23.0	90	93	65-135	3	35	
Bromomethane	25.0	21.7	22.5	87	90	65-135	3	35	
Chloroethane	25.0	21.4	20.8	86	83	65-135	4	35	
Acetone	26.5	20.6	21.1	78	80	65-135	3	35	
Trichlorofluoromethane	24.3	21.0	21.7	86	89	65-135	3	35	
1,1-Dichloroethene	27.3	24.0	24.6	88	90	65-135	2	35	
Methylene chloride	26.8	22.2	22.4	83	84	65-135	1	35	
Trichlorotrifluoroethane	27.0	24.7	24.8	91	92	65-135	1	35	
Carbon Disulfide	25.0	21.6	21.7	86	87	65-135	1	35	
trans-1,2-Dichloroethene	26.3	23.4	23.6	89	90	65-135	1	35	
1,1-Dichloroethane	26.3	23.2	23.5	88	89	65-135	1	35	
Methyl tert-Butyl Ether	26.3	24.2	24.3	92	92	65-135	0	35	
Vinyl Acetate	24.3	26.0	26.1	107	107	65-135	0	35	
2-Butanone (MEK)	26.8	24.2	24.4	90	91	65-135	1	35	
cis-1,2-Dichloroethene	26.5	23.6	24.0	89	91	65-135	2	35	
Chloroform	30.0	24.5	24.9	82	83	65-135	1	35	
1,2-Dichloroethane	26.0	23.4	23.4	90	90	65-135	0	35	
1,1,1-Trichloroethane	26.3	24.5	24.6	93	94	65-135	1	35	
Benzene	26.3	23.9	23.9	91	91	65-135	0	35	
Carbon Tetrachloride	25.8	25.7	25.7	100	100	65-135	0	35	
1,2-Dichloropropane	26.0	23.6	23.8	91	92	65-135	1	35	

Verified By: M Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2700710
CAS Sample ID: P070323-LCS, P070323-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: 3/23/07
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	25.2	25.3	92	92	65-135	0	35	
Trichloroethene	27.3	25.6	25.5	94	93	65-135	1	35	
cis-1,3-Dichloropropene	26.0	23.5	23.4	90	90	65-135	0	35	
4-Methyl-2-pentanone	26.5	25.4	25.6	96	97	65-135	1	35	
trans-1,3-Dichloropropene	27.8	26.3	26.5	95	95	65-135	0	35	
1,1,2-Trichloroethane	25.8	24.3	24.5	94	95	65-135	1	35	
Toluene	26.0	23.9	23.9	92	92	65-135	0	35	
2-Hexanone	26.0	23.8	23.9	92	92	65-135	0	35	
Dibromochloromethane	26.5	25.7	25.9	97	98	65-135	1	35	
1,2-Dibromoethane	26.0	24.7	25.0	95	96	65-135	1	35	
Tetrachloroethene	25.8	25.1	24.9	97	97	65-135	0	35	
Chlorobenzene	26.0	24.1	24.3	93	93	65-135	0	35	
Ethylbenzene	25.8	24.3	24.5	94	95	65-135	1	35	
m,p-Xylenes	61.5	58.0	58.5	94	95	65-135	1	35	
Bromoform	31.3	30.6	31.0	98	99	65-135	1	35	
Styrene	25.8	24.9	25.2	97	98	65-135	1	35	
o-Xylene	29.0	27.4	27.6	94	95	65-135	1	35	
1,1,2,2-Tetrachloroethane	29.3	27.5	27.6	94	94	65-135	0	35	
1,3-Dichlorobenzene	25.3	24.9	25.1	98	99	65-135	1	35	
1,4-Dichlorobenzene	26.0	25.9	25.9	100	100	65-135	0	35	
1,2-Dichlorobenzene	25.5	25.4	25.6	100	100	65-135	0	35	

Verified By: HU Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2700710
CAS Sample ID: P070324-LCS, P070324-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: 3/24/07
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	21.3	19.7	88	81	65-135	8	35	
Vinyl Chloride	24.8	23.4	22.8	94	92	65-135	2	35	
Bromomethane	25.0	22.6	25.4	90	102	65-135	13	35	
Chloroethane	25.0	21.8	22.3	87	89	65-135	2	35	
Acetone	26.5	21.0	21.8	79	82	65-135	4	35	
Trichlorofluoromethane	24.3	21.6	22.5	89	93	65-135	4	35	
1,1-Dichloroethene	27.3	24.5	25.6	90	94	65-135	4	35	
Methylene chloride	26.8	22.7	23.3	85	87	65-135	2	35	
Trichlorotrifluoroethane	27.0	24.9	25.7	92	95	65-135	3	35	
Carbon Disulfide	25.0	21.9	22.3	88	89	65-135	1	35	
trans-1,2-Dichloroethene	26.3	23.4	24.2	89	92	65-135	3	35	
1,1-Dichloroethane	26.3	23.2	24.2	88	92	65-135	4	35	
Methyl tert-Butyl Ether	26.3	24.2	24.9	92	95	65-135	3	35	
Vinyl Acetate	24.3	26.2	26.7	108	110	65-135	2	35	
2-Butanone (MEK)	26.8	24.2	25.1	90	94	65-135	4	35	
cis-1,2-Dichloroethene	26.5	23.6	24.3	89	92	65-135	3	35	
Chloroform	30.0	24.3	25.2	81	84	65-135	4	35	
1,2-Dichloroethane	26.0	23.0	23.5	88	90	65-135	2	35	
1,1,1-Trichloroethane	26.3	24.4	25.1	93	95	65-135	2	35	
Benzene	26.3	23.7	24.3	90	92	65-135	2	35	
Carbon Tetrachloride	25.8	25.2	25.8	98	100	65-135	2	35	
1,2-Dichloropropane	26.0	23.6	24.1	91	93	65-135	2	35	

Verified By: MJ Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2700710
CAS Sample ID: P070324-LCS, P070324-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: 3/24/07
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	25.2	25.7	92	93	65-135	1	35	
Trichloroethene	27.3	25.3	26.0	93	95	65-135	2	35	
cis-1,3-Dichloropropene	26.0	23.3	23.8	90	92	65-135	2	35	
4-Methyl-2-pentanone	26.5	25.2	26.0	95	98	65-135	3	35	
trans-1,3-Dichloropropene	27.8	26.1	26.9	94	97	65-135	3	35	
1,1,2-Trichloroethane	25.8	24.2	24.7	94	96	65-135	2	35	
Toluene	26.0	23.8	24.0	92	92	65-135	0	35	
2-Hexanone	26.0	23.7	23.7	91	91	65-135	0	35	
Dibromochloromethane	26.5	25.5	26.1	96	98	65-135	2	35	
1,2-Dibromoethane	26.0	24.7	25.3	95	97	65-135	2	35	
Tetrachloroethene	25.8	24.6	25.3	95	98	65-135	3	35	
Chlorobenzene	26.0	24.1	24.6	93	95	65-135	2	35	
Ethylbenzene	25.8	24.2	24.9	94	97	65-135	3	35	
m,p-Xylenes	61.5	57.8	59.3	94	96	65-135	2	35	
Bromoform	31.3	30.1	31.3	96	100	65-135	4	35	
Styrene	25.8	24.9	25.4	97	98	65-135	1	35	
o-Xylene	29.0	27.4	28.0	94	97	65-135	3	35	
1,1,2,2-Tetrachloroethane	29.3	27.4	28.3	94	97	65-135	3	35	
1,3-Dichlorobenzene	25.3	25.0	25.7	99	102	65-135	3	35	
1,4-Dichlorobenzene	26.0	25.9	26.7	100	103	65-135	3	35	
1,2-Dichlorobenzene	25.5	25.6	26.0	100	102	65-135	2	35	

Verified By: LW Date: 3/28/07

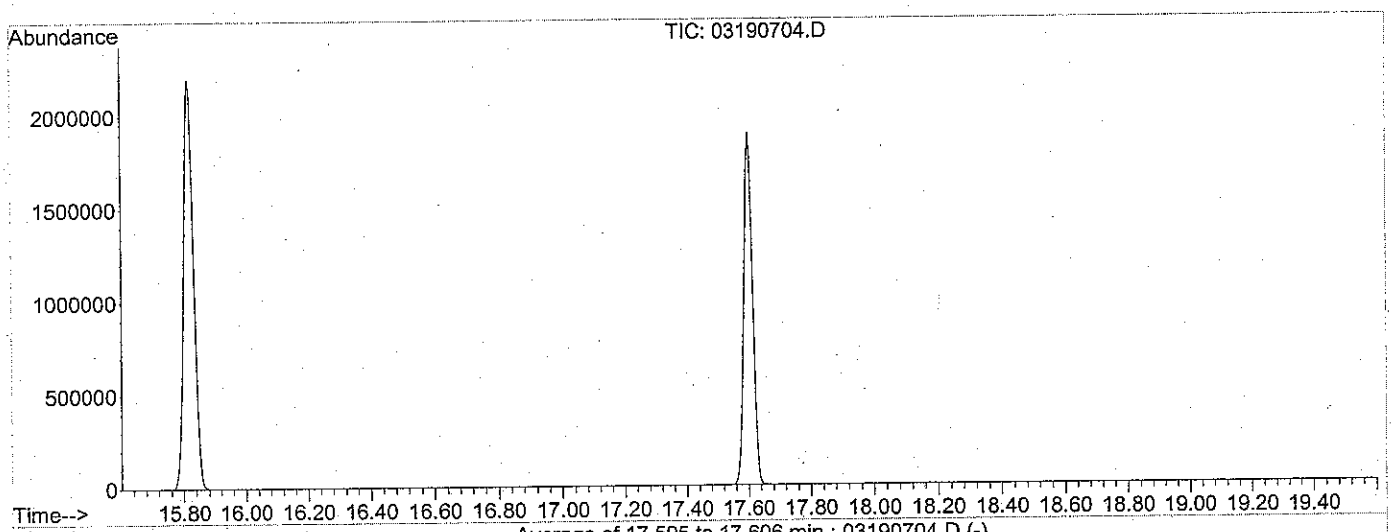
BFB

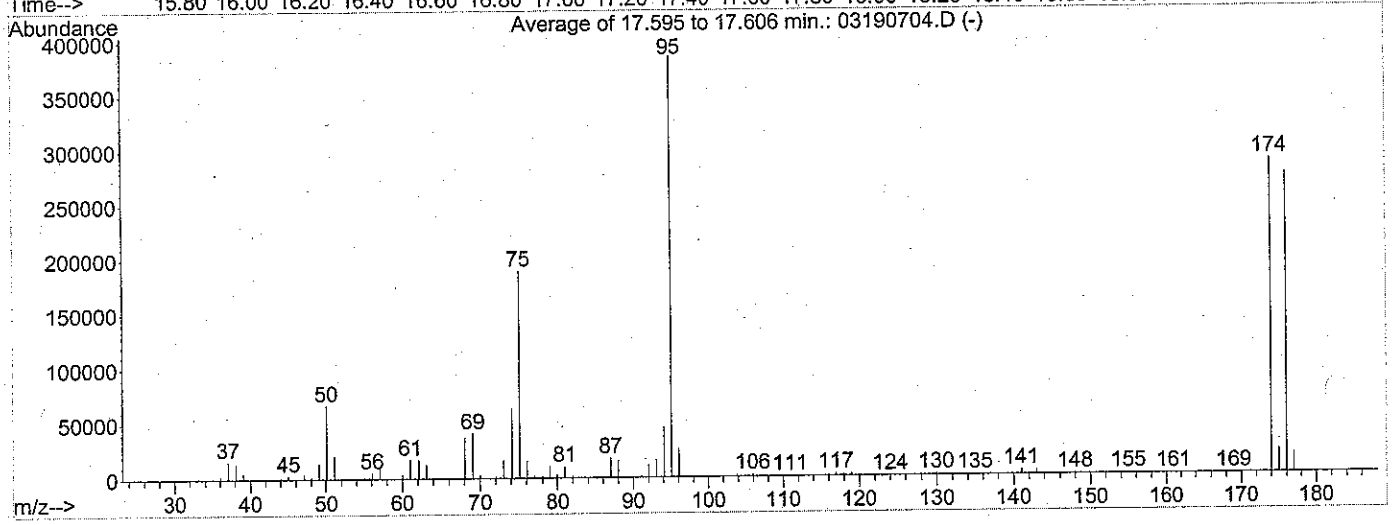
Data Path : J:\MS08\Data\2007_03\19\
Data File : 03190704.D
Acq On : 19 Mar 2007 11:38
Operator : LM/SC
Sample : 25ng BFB STD
Misc : S15-03150704
ALS Vial : 1 Sample Multiplier: 1

ICAL

Integration File: RTEINT.P

Method : J:\MS08\METHODS\R8031907.M
Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
Last Update : Mon Mar 19 16:14:30 2007





AutoFind: Scans 2500, 2501, 2502; Background Corrected with Scan 2490

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	17.3	66738	PASS
75	95	30	66	49.1	189482	PASS
95	95	100	100	100.0	385685	PASS
96	95	5	9	6.7	25709	PASS
173	174	0.00	2	0.4	1075	PASS
174	95	50	120	74.6	287808	PASS
175	174	4	9	7.4	21280	PASS
176	174	93	101	95.4	274624	PASS
177	176	5	9	6.5	17924	PASS

3/19/07
LM 3/20/07

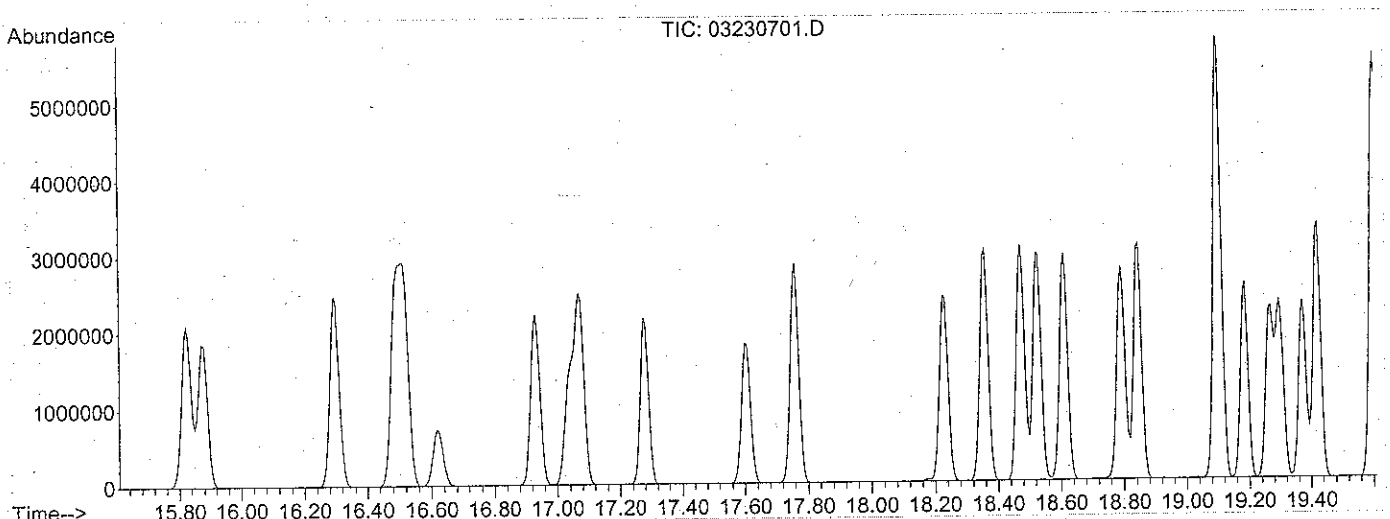
103

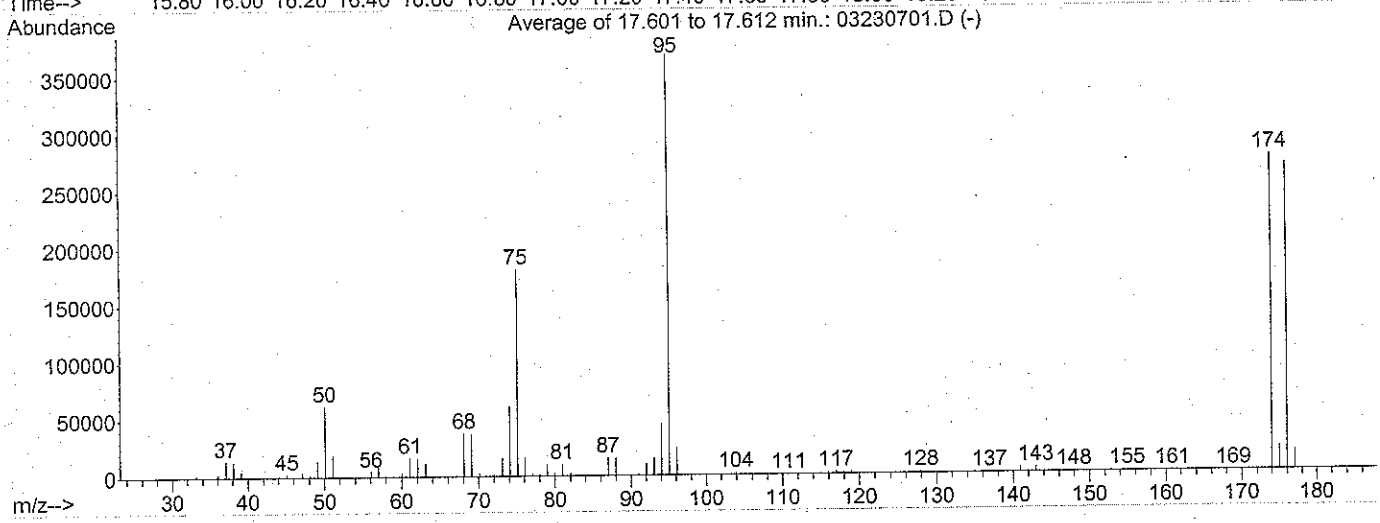
BFB

Data Path : J:\MS08\Data\2007_03\23\
Data File : 03230701.D
Acq On : 23 Mar 2007 8:47
Operator : LM/SC
Sample : 25ng TO-15 CCV STD
Misc : S15-03150704/S15-03070705
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : J:\MS08\METHODS\R8031907.M
Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
Last Update : Mon Mar 19 16:14:30 2007





AutoFind: Scans 2501, 2502, 2503; Background Corrected with Scan 2490

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	16.9	62232	PASS
75	95	30	66	49.2	181440	PASS
95	95	100	100	100.0	368704	PASS
96	95	5	9	6.5	24010	PASS
173	174	0.00	2	0.3	800	PASS
174	95	50	120	75.1	276714	PASS
175	174	4	9	7.5	20661	PASS
176	174	93	101	97.3	269376	PASS
177	176	5	9	6.4	17316	PASS

3/23/07

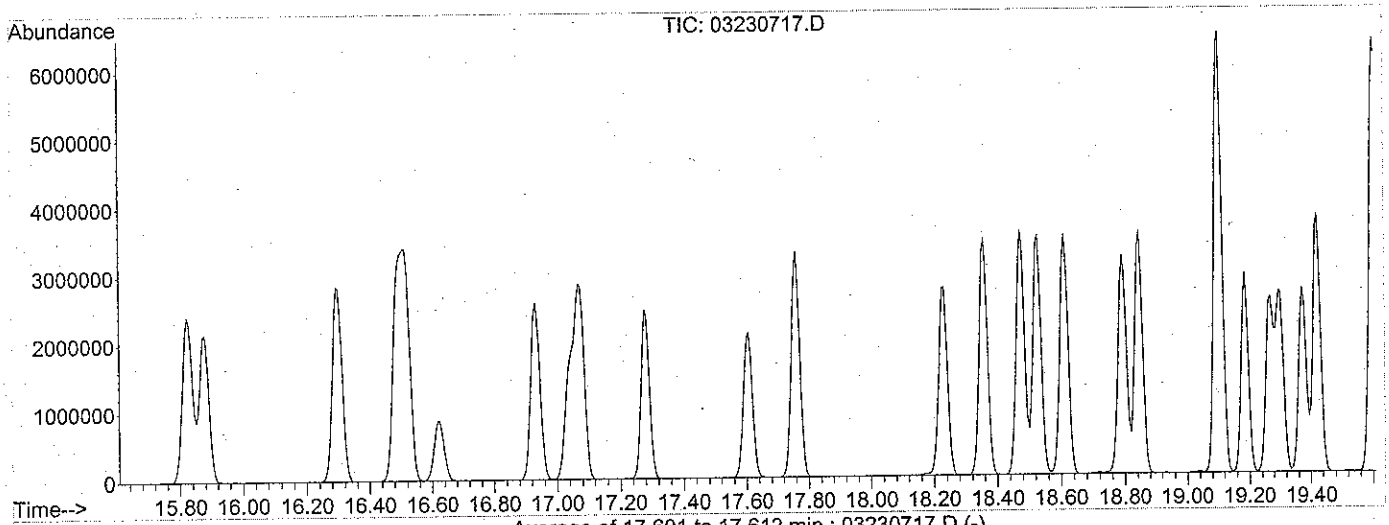
LM 3/24/07

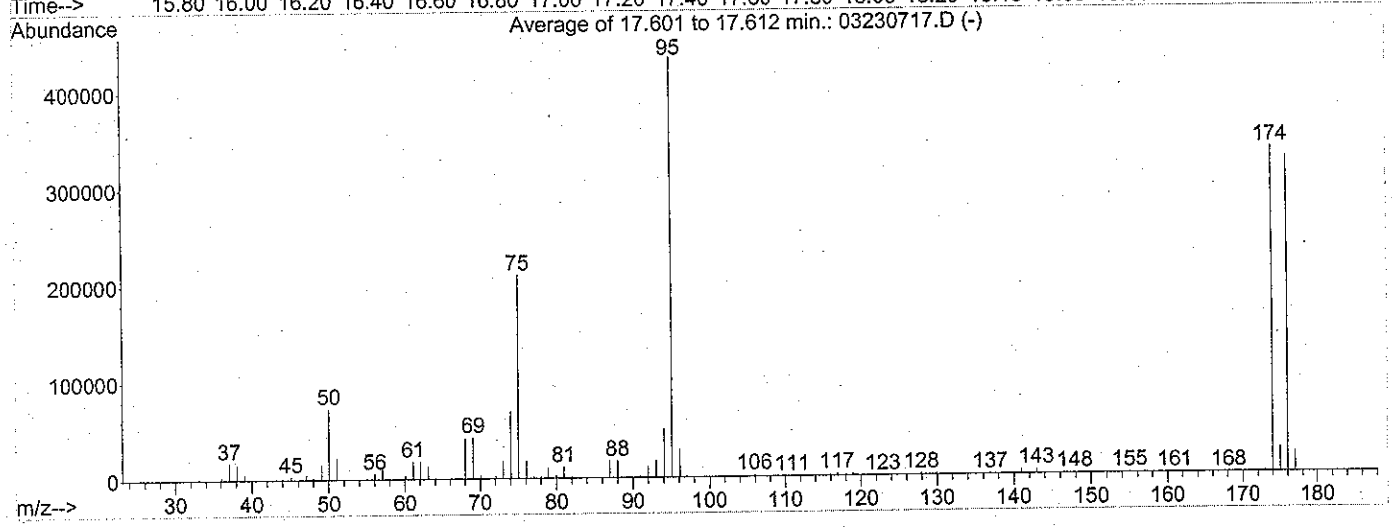
104

Data Path : J:\MS08\DATA\2007_03\23\
Data File : 03230717.D
Acq On : 23 Mar 2007 20:38
Operator : LM/SC
Sample : 25ng TO-15 CCV STD
Misc : S15-03150704/S15-03070705
ALS Vial : 3 Sample Multiplier: 1

Integration File: RTEINT.P

Method : J:\MS08\METHODS\R8031907.M
Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
Last Update : Mon Mar 19 16:14:30 2007





AutoFind: Scans 2501, 2502, 2503; Background Corrected with Scan 2490

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	16.8	73194	PASS
75	95	30	66	48.3	209941	PASS
95	95	100	100	100.0	434432	PASS
96	95	5	9	6.6	28573	PASS
173	174	0.00	2	0.3	959	PASS
174	95	50	120	77.3	336000	PASS
175	174	4	9	7.6	25562	PASS
176	174	93	101	97.3	326762	PASS
177	176	5	9	6.7	21760	PASS

LM 3/24/07

3/26/07

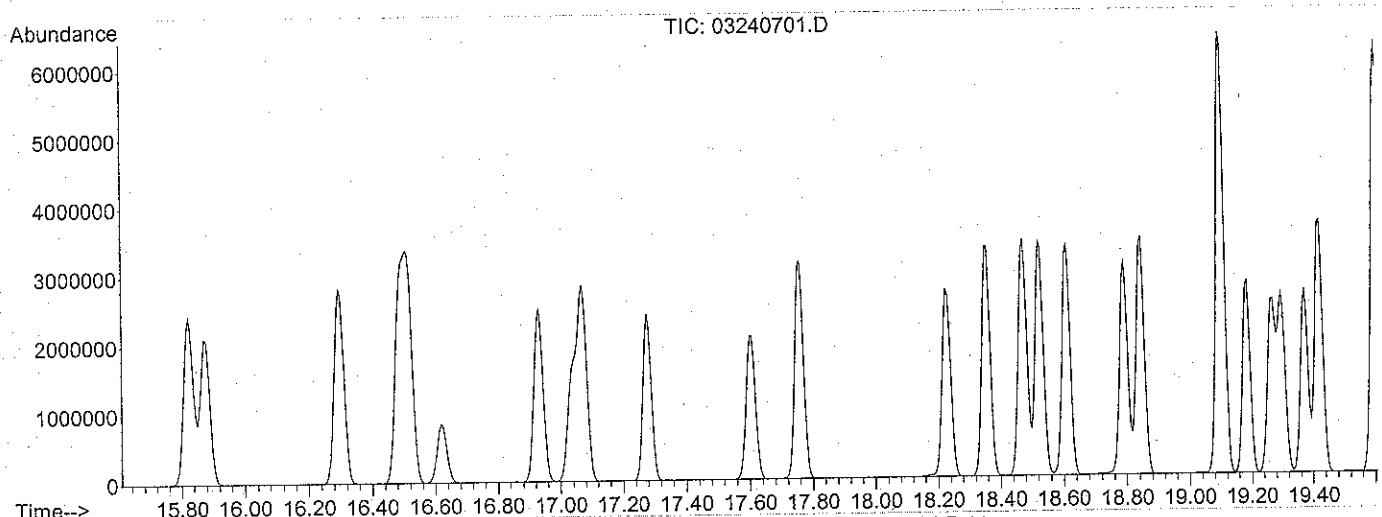
105

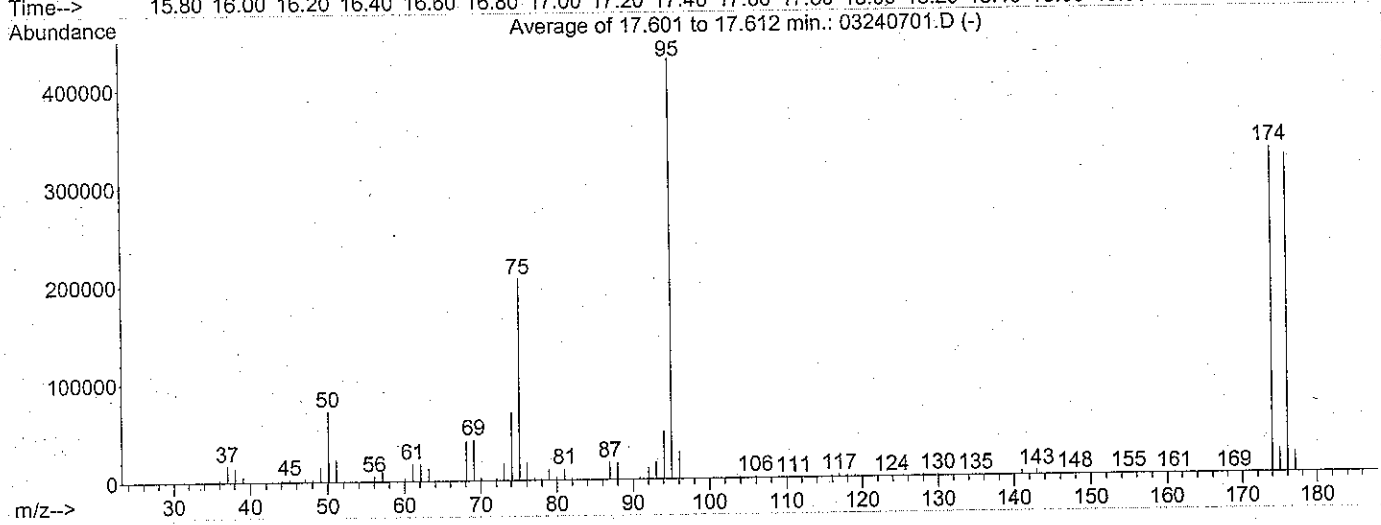
BFB

Data Path : J:\MS08\Data\2007_03\24\
Data File : 03240701.D
Acq On : 24 Mar 2007 7:50
Operator : LM/SC
Sample : 25ng TO-15 CCV STD
Misc : S15-03150704/S15-03070705
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : J:\MS08\METHODS\R8031907.M
Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
Last Update : Mon Mar 19 16:14:30 2007





AutoFind: Scans 2501, 2502, 2503; Background Corrected with Scan 2490

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	16.8	72050	PASS
75	95	30	66	48.0	205909	PASS
95	95	100	100	100.0	429077	PASS
96	95	5	9	6.5	28016	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	77.3	331733	PASS
175	174	4	9	7.4	24528	PASS
176	174	93	101	97.6	323840	PASS
177	176	5	9	6.5	21085	PASS

3/26/07
LM 3/26/07

106

Response Factor Report MS08

Method Path : J:\MS08\METHODS\
Method File : R8031907.M
Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
Last Update : Mon Mar 19 16:14:30 2007
Response Via : Initial Calibration

Calibration Files
0.5 =03190705.D 1 =03190706.D 5 =03190707.D 25 =03190708.D
50 =03190709.D 100 =03190710.D =

		Compound	0.5	1	5	25	50	100	Avg	%RSD
1)	IR	Bromochloromethane (I	----------ISTD----------							
2)	T	Propene	1.747	1.515	1.412	1.389	1.311	1.268	1.440	11.99
3)	T	Dichlorodifluorom	3.707	3.385	3.029	2.989	2.823	2.755	3.114	11.68
4)	T	Chloromethane	2.564	2.363	2.245	2.198	1.958	1.863	2.199	11.74
5)	T	Freon 114	1.107	1.057	0.927	0.927	0.893	0.821	0.955	11.20
6)	T	Vinyl Chloride	2.185	2.070	1.927	1.848	1.793	1.626	1.908	10.47
7)	T	1,3-Butadiene	1.548	1.422	1.391	1.405	1.373	1.258	1.400	6.64
8)	T	Bromomethane	1.418	1.163	1.062	1.129	1.093	1.108	1.162	11.19
9)	T	Chloroethane	1.310	1.207	1.095	1.067	1.031	1.026	1.123	10.07
10)	T	Ethanol	1.306	1.052	0.870	0.954	0.940	0.939	1.010	15.48
11)	T	Acetonitrile	2.734	2.462	2.291	2.544	2.439	2.422	2.482	5.97
12)	T	Acrolein	0.869	0.711	0.799	0.832	0.810	0.809	0.805	6.52
13)	T	Acetone	1.683	1.493	1.315	1.102	1.062	1.055	1.285	20.26
14)	T	Trichlorofluorome	2.422	2.253	2.054	2.082	2.031	2.036	2.146	7.40
15)	T	Isopropanol	3.971	3.794	3.246	3.234	2.904	2.803	3.325	14.11
16)	T	Acrylonitrile	1.949	1.703	1.668	1.750	1.701	1.692	1.744	5.97
17)	T	1,1-Dichloroethen	1.501	1.331	1.277	1.299	1.255	1.240	1.317	7.25
18)	T	tert-Butanol	3.868	3.602	3.419	3.208	2.977	2.390	3.244	16.02
19)	T	Methylene Chlorid	1.942	1.649	1.474	1.418	1.381	1.378	1.540	14.35
20)	T	Allyl Chloride	1.621	1.504	1.530	1.736	1.687	1.694	1.629	5.80
21)	T	Trichlorotrifluor	1.328	1.203	1.081	1.107	1.085	1.080	1.147	8.73
22)	T	Carbon Disulfide	7.386	6.215	5.440	5.339	5.156	5.049	5.764	15.52
23)	T	trans-1,2-Dichlor	2.283	2.193	1.986	2.044	1.980	1.953	2.073	6.47
24)	T	1,1-Dichloroethan	2.436	2.226	2.039	2.058	1.953	1.849	2.093	9.99
25)	T	Methyl tert-Butyl	4.802	4.473	4.302	4.283	4.146	4.009	4.336	6.38
26)	T	Vinyl Acetate	0.240	0.238	0.297	0.323	0.323	0.329	0.292	14.57
27)	T	2-Butanone	1.086	1.033	0.990	0.967	0.943	0.913	0.989	6.37
28)	T	cis-1,2-Dichloroe	2.126	1.959	1.841	1.853	1.800	1.784	1.894	6.82
29)	T	Diisopropyl Ether	1.316	1.199	1.162	1.130	1.081	1.035	1.154	8.53
30)	T	Ethyl Acetate	0.524	0.495	0.488	0.478	0.454	0.424	0.477	7.22
31)	T	n-Hexane	2.617	2.368	2.229	2.194	2.139	2.054	2.267	8.84
32)	T	Chloroform	2.707	2.380	2.027	1.984	1.888	1.831	2.136	15.88
33)	S	1,2-Dichloroethan	1.806	1.814	1.751	1.778	1.715	1.718	1.764	2.43
34)	T	Tetrahydrofuran	1.013	0.953	0.919	0.910	0.789	0.701	0.881	13.04
35)	T	Ethyl tert-Butyl	1.891	1.740	1.696	1.684	1.653	1.611	1.712	5.71
36)	T	1,2-Dichloroethan	2.205	2.133	1.930	1.937	1.876	1.740	1.970	8.67
37)	IR	1,4-Difluorobenzene (	----------ISTD----------							
38)	T	1,1,1-Trichloroet	0.573	0.538	0.502	0.516	0.492	0.494	0.519	6.03
39)	T	Isopropyl Acetate	0.206	0.203	0.189	0.198	0.186	0.178	0.193	5.57
40)	T	1-Butanol	0.203	0.176	0.189	0.264	0.252	0.241	0.221	16.42
41)	T	Benzene	1.437	1.283	1.189	1.199	1.129	1.101	1.223	10.02
42)	T	Carbon Tetrachlor	0.398	0.368	0.385	0.424	0.412	0.406	0.399	5.00
43)	T	Cyclohexane	0.579	0.513	0.465	0.458	0.435	0.418	0.478	12.37
44)	T	tert-Amyl Methyl	1.006	0.909	0.870	0.888	0.852	0.836	0.894	6.81
45)	T	1,2-Dichloropropa	0.344	0.325	0.292	0.299	0.285	0.278	0.304	8.37
46)	T	Bromodichlorometh	0.468	0.431	0.403	0.420	0.401	0.395	0.420	6.46
47)	T	Trichloroethene	0.351	0.329	0.298	0.297	0.283	0.272	0.305	9.73
48)	T	1,4-Dioxane	0.248	0.237	0.222	0.232	0.221	0.210	0.228	5.83
49)	T	Isooctane	1.389	1.286	1.190	1.187	1.114	1.057	1.204	9.89
50)	T	Methyl Methacryla	0.119	0.108	0.118	0.125	0.120	0.117	0.118	4.83
51)	T	n-Heptane	0.331	0.324	0.300	0.301	0.288	0.277	0.303	6.82
52)	T	cis-1,3-Dichlorop	0.547	0.503	0.497	0.510	0.479	0.459	0.499	5.93
53)	T	4-Methyl-2-pentan	0.265	0.262	0.259	0.270	0.255	0.241	0.259	3.90
54)	T	trans-1,3-Dichlor	0.497	0.458	0.455	0.475	0.457	0.450	0.465	3.77
55)	T	1,1,2-Trichloroet	0.346	0.309	0.290	0.298	0.287	0.281	0.302	7.80
56)	I	Chlorobenzene-d5 (IS3	----------ISTD----------							
57)	S	Toluene-d8 (SS2)	2.167	2.189	2.166	2.160	2.157	2.166	2.168	0.52

Response Factor Report MS08

Method Path : J:\MS08\METHODS\
Method File : R8031907.M
Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
Last Update : Mon Mar 19 16:14:30 2007
Response Via : Initial Calibration

Calibration Files
0.5 =03190705.D 1 =03190706.D 5 =03190707.D 25 =03190708.D
50 =03190709.D 100 =03190710.D =

		Compound	0.5	1	5	25	50	100	Avg	%RSD
58)	T	Toluene	2.942	2.709	2.461	2.427	2.264	2.114	2.486	12.06
59)	T	2-Hexanone	1.336	1.331	1.288	1.302	1.220	1.159	1.273	5.46
60)	T	Dibromochlorometh	0.714	0.686	0.647	0.665	0.637	0.606	0.659	5.81
61)	T	1,2-Dibromoethane	0.764	0.686	0.674	0.687	0.655	0.624	0.682	6.81
62)	T	Butyl Acetate	1.411	1.343	1.398	1.460	1.375	1.290	1.380	4.26
63)	T	n-Octane	0.556	0.534	0.502	0.493	0.457	0.422	0.494	9.90
64)	T	Tetrachloroethene	0.664	0.650	0.588	0.586	0.556	0.522	0.594	9.11
65)	T	Chlorobenzene	1.910	1.724	1.564	1.549	1.458	1.373	1.596	12.13
66)	T	Ethylbenzene	3.173	2.978	2.842	2.835	2.655	2.461	2.824	8.77
67)	T	m- & p-Xylene	2.089	1.949	1.827	1.819	1.691	1.562	1.823	10.18
68)	T	Bromoform	0.422	0.423	0.416	0.441	0.421	0.400	0.420	3.10
69)	T	Styrene	1.742	1.658	1.665	1.699	1.590	1.464	1.636	6.00
70)	T	o-Xylene	2.257	2.060	1.982	1.968	1.825	1.684	1.963	10.02
71)	T	n-Nonane	1.210	1.183	1.100	1.109	1.018	0.927	1.091	9.66
72)	T	1,1,2,2-Tetrachlo	0.988	0.973	0.935	0.951	0.875	0.802	0.921	7.60
73)	S	Bromofluorobenzen	0.662	0.649	0.666	0.668	0.661	0.660	0.661	1.01
74)	T	Cumene	2.942	2.721	2.615	2.653	2.439	2.235	2.601	9.32
75)	T	alpha-Pinene	1.405	1.413	1.366	1.405	1.316	1.226	1.355	5.38
76)	T	n-Propylbenzene	3.701	3.661	3.445	3.486	3.206	2.911	3.402	8.77
77)	T	3-Ethyltoluene	3.039	2.915	2.806	2.857	2.661	2.449	2.788	7.45
78)	T	4-Ethyltoluene	2.759	2.755	2.668	2.641	2.391	2.172	2.564	9.15
79)	T	1,3,5-Trimethylbe	2.300	2.396	2.311	2.305	2.125	1.958	2.233	7.21
80)	T	alpha-Methylstyre	1.077	1.119	1.172	1.263	1.161	1.060	1.142	6.49
81)	T	2-Ethyltoluene	2.930	3.017	2.848	2.888	2.638	2.400	2.787	8.18
82)	T	1,2,4-Trimethylbe	2.180	2.359	2.325	2.282	2.070	1.907	2.187	7.91
83)	T	n-Decane	1.096	1.213	1.163	1.166	1.064	0.960	1.110	8.20
84)	T	Benzyl Chloride	1.803	2.018	2.145	2.248	2.091	1.942	2.041	7.70
85)	T	1,3-Dichlorobenze	1.229	1.339	1.274	1.286	1.169	1.043	1.224	8.61
86)	T	1,4-Dichlorobenze	1.252	1.282	1.243	1.253	1.142	1.023	1.199	8.24
87)	T	sec-Butylbenzene	3.052	3.210	3.107	3.117	2.800	2.471	2.960	9.33
88)	T	p-Isopropyltoluen	2.273	2.542	2.470	2.471	2.208	1.986	2.325	9.04
89)	T	1,2,3-Trimethylbe	2.011	2.285	2.225	2.230	2.020	1.835	2.101	8.28
90)	T	1,2-Dichlorobenze	1.126	1.213	1.185	1.187	1.062	0.924	1.116	9.75
91)	T	d-Limonene	0.721	0.842	0.885	0.894	0.808	0.736	0.814	9.03
92)	T	1,2-Dibromo-3-Chl	0.226	0.285	0.373	0.453	0.426	0.400	0.360	24.33
93)	T	n-Undecane	0.572	0.830	0.913	0.966	0.888	0.800	0.828	16.74
94)	T	1,2,4-Trichlorobe	0.100	0.162	0.230	0.258	0.245	0.223	0.203	29.61
95)	T	Naphthalene	0.974	1.703	2.314	2.813	2.631	2.367	2.134	31.96
96)	T	n-Dodecane	0.382	0.558	0.683	0.766	0.690	0.603	0.613	21.96
97)	T	Hexachloro-1,3-bu	0.180	0.250	0.352	0.427	0.406	0.378	0.332	29.18

(#) = Out of Range

Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2007_03\23\
Data File : 03230701.D
Acq On : 23 Mar 2007 8:47
Operator : LM/SC
Sample : 25ng TO-15 CCV STD
Misc : S15-03150704/S15-03070705
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 23 10:25:07 2007
Quant Method : J:\MS08\METHODS\R8031907.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Mon Mar 19 16:14:30 2007
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	105	0.00
2	T	Propene	1.440	1.425	1.0	107	0.01
3	T	Dichlorodifluoromethane	3.114	3.072	1.3	107	0.01
4	T	Chloromethane	2.199	2.214	-0.7	105	0.01
5	T	Freon 114	0.955	0.974	-2.0	110	0.00
6	T	Vinyl Chloride	1.908	1.954	-2.4	111	0.01
7	T	1,3-Butadiene	1.400	1.434	-2.4	107	0.01
8	T	Bromomethane	1.162	1.105	4.9	102	0.00
9	T	Chloroethane	1.123	1.073	4.5	105	0.00
10	T	Ethanol	1.010	0.934	7.5	102	0.00
11	T	Acetonitrile	2.482	2.464	0.7	101	0.00
12	T	Acrolein	0.805	0.812	-0.9	102	0.01
13	T	Acetone	1.285	1.065	17.1	101	0.00
14	T	Trichlorofluoromethane	2.146	2.057	4.1	103	0.00
15	T	Isopropanol	3.325	3.079	7.4	100	0.01
16	T	Acrylonitrile	1.744	1.685	3.4	101	0.00
17	T	1,1-Dichloroethene	1.317	1.251	5.0	101	0.01
18	T	tert-Butanol	3.244	3.292	-1.5	107	0.00
19	T	Methylene Chloride	1.540	1.367	11.2	101	0.01
20	T	Allyl Chloride	1.629	1.642	-0.8	99	0.00
21	T	Trichlorotrifluoroethane	1.147	1.073	6.5	101	0.00
22	T	Carbon Disulfide	5.764	5.201	9.8	102	0.00
23	T	trans-1,2-Dichloroethene	2.073	1.950	5.9	100	0.00
24	T	1,1-Dichloroethane	2.093	1.972	5.8	100	0.00
25	T	Methyl tert-Butyl Ether	4.336	4.155	4.2	101	0.00
26	T	Vinyl Acetate	0.292	0.318	-8.9	103	0.00
27	T	2-Butanone	0.989	0.933	5.7	101	0.00
28	T	cis-1,2-Dichloroethene	1.894	1.753	7.4	99	0.00
29	T	Diisopropyl Ether	1.154	1.101	4.6	102	0.00
30	T	Ethyl Acetate	0.477	0.453	5.0	99	0.00
31	T	n-Hexane	2.267	2.125	6.3	101	0.00
32	T	Chloroform	2.136	1.941	9.1	102	0.00
33	S	1,2-Dichloroethane-d4(SS1)	1.764	1.828	-3.6	107	0.00
34	T	Tetrahydrofuran	0.881	0.860	2.4	99	0.00
35	T	Ethyl tert-Butyl Ether	1.712	1.670	2.5	104	0.00
36	T	1,2-Dichloroethane	1.970	1.912	2.9	103	0.00
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	107	0.00
38	T	1,1,1-Trichloroethane	0.519	0.500	3.7	104	0.00
39	T	Isopropyl Acetate	0.193	0.188	2.6	101	0.00
40	T	1-Butanol	0.221	0.250	-13.1	101	0.00
41	T	Benzene	1.223	1.144	6.5	102	0.00
42	T	Carbon Tetrachloride	0.399	0.410	-2.8	103	0.00
43	T	Cyclohexane	0.478	0.441	7.7	103	0.00
44	T	tert-Amyl Methyl Ether	0.894	0.857	4.1	103	0.00
45	T	1,2-Dichloropropane	0.304	0.281	7.6	101	0.00
46	T	Bromodichloromethane	0.420	0.396	5.7	101	0.00
47	T	Trichloroethene	0.305	0.285	6.6	103	0.00
48	T	1,4-Dioxane	0.228	0.218	4.4	101	0.00
49	T	Isooctane	1.204	1.133	5.9	102	0.00
50	T	Methyl Methacrylate	0.118	0.119	-0.8	102	0.00
51	T	n-Heptane	0.303	0.287	5.3	102	0.00

3/23/07
LM 3/14/07

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2007_03\23\
Data File : 03230701.D
Acq On : 23 Mar 2007 8:47
Operator : LM/SC
Sample : 25ng TO-15 CCV STD
Misc : S15-03150704/S15-03070705
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 23 10:25:07 2007
Quant Method : J:\MS08\METHODS\R8031907.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Mon Mar 19 16:14:30 2007
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	0.499	0.478	4.2	100	0.00
53	T	4-Methyl-2-pentanone	0.259	0.251	3.1	99	0.00
54	T	trans-1,3-Dichloropropene	0.465	0.446	4.1	100	0.00
55	T	1,1,2-Trichloroethane	0.302	0.278	7.9	100	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	105	0.00
57	S	Toluene-d8 (SS2)	2.168	2.150	0.8	104	0.00
58	T	Toluene	2.486	2.319	6.7	100	0.00
59	T	2-Hexanone	1.273	1.211	4.9	98	0.00
60	T	Dibromochloromethane	0.659	0.635	3.6	100	0.00
61	T	1,2-Dibromoethane	0.682	0.654	4.1	100	0.00
62	T	Butyl Acetate	1.380	1.361	1.4	98	0.00
63	T	n-Octane	0.494	0.466	5.7	99	0.00
64	T	Tetrachloroethene	0.594	0.559	5.9	100	0.00
65	T	Chlorobenzene	1.596	1.486	6.9	101	0.00
66	T	Ethylbenzene	2.824	2.707	4.1	100	0.00
67	T	m- & p-Xylene	1.823	1.741	4.5	100	0.00
68	T	Bromoform	0.420	0.419	0.2	100	0.00
69	T	Styrene	1.636	1.624	0.7	100	0.00
70	T	o-Xylene	1.963	1.887	3.9	101	0.00
71	T	n-Nonane	1.091	1.034	5.2	98	0.00
72	T	1,1,2,2-Tetrachloroethane	0.921	0.900	2.3	99	0.00
73	S	Bromofluorobenzene (SS3)	0.661	0.672	-1.7	105	0.00
74	T	Cumene	2.601	2.531	2.7	100	0.00
75	T	alpha-Pinene	1.355	1.353	0.1	101	0.00
76	T	n-Propylbenzene	3.402	3.313	2.6	100	0.00
77	T	3-Ethyltoluene	2.788	2.760	1.0	101	0.00
78	T	4-Ethyltoluene	2.564	2.499	2.5	99	0.00
79	T	1,3,5-Trimethylbenzene	2.233	2.210	1.0	101	0.00
80	T	alpha-Methylstyrene	1.142	1.199	-5.0	99	0.00
81	T	2-Ethyltoluene	2.787	2.766	0.8	100	0.00
82	T	1,2,4-Trimethylbenzene	2.187	2.169	0.8	100	0.00
83	T	n-Decane	1.110	1.097	1.2	99	0.00
84	T	Benzyl Chloride	2.041	2.144	-5.0	100	0.00
85	T	1,3-Dichlorobenzene	1.224	1.217	0.6	99	0.00
86	T	1,4-Dichlorobenzene	1.199	1.197	0.2	100	0.00
87	T	sec-Butylbenzene	2.960	2.962	-0.1	100	0.00
88	T	p-Isopropyltoluene	2.325	2.354	-1.2	100	0.00
89	T	1,2,3-Trimethylbenzene	2.101	2.124	-1.1	100	0.00
90	T	1,2-Dichlorobenzene	1.116	1.124	-0.7	99	0.00
91	T	d-Limonene	0.814	0.839	-3.1	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.360	0.425	-18.1	98	0.00
93	T	n-Undecane	0.828	0.907	-9.5	98	0.00
94	T	1,2,4-Trichlorobenzene	0.203	0.246	-21.2	100	0.00
95	T	Naphthalene	2.134	2.673	-25.3	100	0.00
96	T	n-Dodecane	0.613	0.737	-20.2	101	0.00
97	T	Hexachloro-1,3-butadiene	0.332	0.413	-24.4	101	0.00

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

3/23/07
LM 3/24/07

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2007_03\23\
Data File : 03230703.D
Acq On : 23 Mar 2007 10:35
Operator : LM/SC
Sample : 1ng TO-15 CCV STD
Misc : S15-03150704/S15-03070703
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 23 11:06:25 2007
Quant Method : J:\MS08\METHODS\R8031907.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Mon Mar 19 16:14:30 2007
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	-0.02
2	T	Propene	1.440	1.548	-7.5	96	0.04
3	T	Dichlorodifluoromethane	3.114	3.482	-11.8	97	0.03
4	T	Chloromethane	2.199	2.314	-5.2	92	0.02
5	T	Freon 114	0.955	1.151	-20.5	102	0.02
6	T	Vinyl Chloride	1.908	2.124	-11.3	96	0.01
7	T	1,3-Butadiene	1.400	1.502	-7.3	99	0.00
8	T	Bromomethane	1.162	1.141	1.8	92	0.00
9	T	Chloroethane	1.123	1.177	-4.8	92	0.00
10	T	Ethanol	1.010	0.955	5.4	85	-0.02
11	T	Acetonitrile	2.482	2.438	1.8	93	-0.01
12	T	Acrolein	0.805	0.752	6.6	99	0.01
13	T	Acetone	1.285	1.533	-19.3	96	0.00
14	T	Trichlorofluoromethane	2.146	2.248	-4.8	94	0.00
15	T	Isopropanol	3.325	3.686	-10.9	91	-0.02
16	T	Acrylonitrile	1.744	1.703	2.4	94	-0.02
17	T	1,1-Dichloroethene	1.317	1.348	-2.4	95	0.00
18	T	tert-Butanol	3.244	3.714	-14.5	97	0.08
19	T	Methylene Chloride	1.540	1.570	-1.9	89	-0.02
20	T	Allyl Chloride	1.629	1.496	8.2	93	0.00
21	T	Trichlorotrifluoroethane	1.147	1.197	-4.4	94	0.00
22	T	Carbon Disulfide	5.764	6.400	-11.0	97	0.00
23	T	trans-1,2-Dichloroethene	2.073	2.083	-0.5	89	-0.02
24	T	1,1-Dichloroethane	2.093	2.270	-8.5	96	-0.02
25	T	Methyl tert-Butyl Ether	4.336	4.419	-1.9	93	0.00
26	T	Vinyl Acetate	0.292	0.253	13.4	100	0.00
27	T	2-Butanone	0.989	1.026	-3.7	93	-0.01
28	T	cis-1,2-Dichloroethene	1.894	1.910	-0.8	92	-0.02
29	T	Diisopropyl Ether	1.154	1.211	-4.9	95	-0.01
30	T	Ethyl Acetate	0.477	0.470	1.5	89	0.00
31	T	n-Hexane	2.267	2.354	-3.8	93	0.00
32	T	Chloroform	2.136	2.274	-6.5	90	-0.03
33	S	1,2-Dichloroethane-d4(SS1)	1.764	1.865	-5.7	97	-0.01
34	T	Tetrahydrofuran	0.881	0.962	-9.2	95	0.00
35	T	Ethyl tert-Butyl Ether	1.712	1.707	0.3	92	0.00
36	T	1,2-Dichloroethane	1.970	2.000	-1.5	88	-0.02
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	96	-0.01
38	T	1,1,1-Trichloroethane	0.519	0.528	-1.7	94	-0.02
39	T	Isopropyl Acetate	0.193	0.194	-0.5	92	0.00
40	T	1-Butanol	0.221	0.195	11.8	106	0.03
41	T	Benzene	1.223	1.256	-2.7	94	-0.02
42	T	Carbon Tetrachloride	0.399	0.359	10.0	93	-0.02
43	T	Cyclohexane	0.478	0.486	-1.7	91	-0.01
44	T	tert-Amyl Methyl Ether	0.894	0.860	3.8	91	0.00
45	T	1,2-Dichloropropane	0.304	0.307	-1.0	91	0.00
46	T	Bromodichloromethane	0.420	0.424	-1.0	94	-0.01
47	T	Trichloroethene	0.305	0.313	-2.6	91	-0.02
48	T	1,4-Dioxane	0.228	0.235	-3.1	95	0.00
49	T	Isooctane	1.204	1.254	-4.2	93	-0.01
50	T	Methyl Methacrylate	0.118	0.108	8.5	96	0.00
51	T	n-Heptane	0.303	0.299	1.3	88	0.00

3/24/07
LM 3/24/07

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2007_03\23\
Data File : 03230703.D
Acq On : 23 Mar 2007 10:35
Operator : LM/SC
Sample : 1ng TO-15 CCV STD
Misc : S15-03150704/S15-03070703
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 23 11:06:25 2007
Quant Method : J:\MS08\METHODS\R8031907.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Mon Mar 19 16:14:30 2007
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	0.499	0.498	0.2	95	-0.01
53 T	4-Methyl-2-pentanone	0.259	0.260	-0.4	95	0.00
54 T	trans-1,3-Dichloropropene	0.465	0.445	4.3	93	0.00
55 T	1,1,2-Trichloroethane	0.302	0.298	1.3	92	-0.01
56 I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	101	0.00
57 S	Toluene-d8 (SS2)	2.168	2.119	2.3	97	0.00
58 T	Toluene	2.486	2.484	0.1	92	-0.01
59 T	2-Hexanone	1.273	1.226	3.7	93	0.00
60 T	Dibromochloromethane	0.659	0.598	9.3	88	0.00
61 T	1,2-Dibromoethane	0.682	0.658	3.5	96	0.00
62 T	Butyl Acetate	1.380	1.302	5.7	97	0.00
63 T	n-Octane	0.494	0.521	-5.5	98	-0.01
64 T	Tetrachloroethene	0.594	0.580	2.4	90	0.00
65 T	Chlorobenzene	1.596	1.609	-0.8	94	0.00
66 T	Ethylbenzene	2.824	2.827	-0.1	95	0.00
67 T	m- & p-Xylene	1.823	1.843	-1.1	95	-0.03
68 T	Bromoform	0.420	0.392	6.7	93	0.00
69 T	Styrene	1.636	1.540	5.9	93	0.00
70 T	o-Xylene	1.963	2.009	-2.3	98	0.00
71 T	n-Nonane	1.091	1.075	1.5	91	0.00
72 T	1,1,2,2-Tetrachloroethane	0.921	0.914	0.8	94	-0.01
73 S	Bromofluorobenzene (SS3)	0.661	0.677	-2.4	105	0.00
74 T	Cumene	2.601	2.656	-2.1	98	0.00
75 T	alpha-Pinene	1.355	1.291	4.7	92	0.00
76 T	n-Propylbenzene	3.402	3.462	-1.8	95	0.00
77 T	3-Ethyltoluene	2.788	2.734	1.9	94	0.00
78 T	4-Ethyltoluene	2.564	2.662	-3.8	97	0.00
79 T	1,3,5-Trimethylbenzene	2.233	2.293	-2.7	96	0.00
80 T	alpha-Methylstyrene	1.142	1.098	3.9	99	0.00
81 T	2-Ethyltoluene	2.787	2.831	-1.6	94	0.00
82 T	1,2,4-Trimethylbenzene	2.187	2.266	-3.6	97	0.00
83 T	n-Decane	1.110	1.187	-6.9	98	0.00
84 T	Benzyl Chloride	2.041	1.944	4.8	97	0.00
85 T	1,3-Dichlorobenzene	1.224	1.322	-8.0	99	-0.01
86 T	1,4-Dichlorobenzene	1.199	1.261	-5.2	99	0.00
87 T	sec-Butylbenzene	2.960	3.091	-4.4	97	0.00
88 T	p-Isopropyltoluene	2.325	2.476	-6.5	98	0.00
89 T	1,2,3-Trimethylbenzene	2.101	2.201	-4.8	97	0.00
90 T	1,2-Dichlorobenzene	1.116	1.215	-8.9	101	0.00
91 T	d-Limonene	0.814	0.793	2.6	95	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.360	0.329	8.6	116	0.00
93 T	n-Undecane	0.828	0.981	-18.5	119	0.00
94 T	1,2,4-Trichlorobenzene	0.203	0.245	-20.7	151	0.00
95 T	Naphthalene	2.134	2.556	-19.8	151	0.00
96 T	n-Dodecane	0.613	0.970	-58.2#	175	0.00
97 T	Hexachloro-1,3-butadiene	0.332	0.397	-19.6	160	0.00

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

3/23/07
LM 3/24/07

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\DATA\2007_03\23\
Data File : 03230717.D
Acq On : 23 Mar 2007 20:38
Operator : LM/SC
Sample : 25ng TO-15 CCV STD
Misc : S15-03150704/S15-03070705
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 24 08:45:23 2007
Quant Method : J:\MS08\METHODS\R8031907.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Mon Mar 19 16:14:30 2007
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	121	0.00
2	T	Propene	1.440	1.146	20.4	100	0.00
3	T	Dichlorodifluoromethane	3.114	2.623	15.8	106	0.00
4	T	Chloromethane	2.199	1.810	17.7	99	0.00
5	T	Freon 114	0.955	0.882	7.6	115	0.00
6	T	Vinyl Chloride	1.908	1.716	10.1	112	0.00
7	T	1,3-Butadiene	1.400	1.299	7.2	112	0.00
8	T	Bromomethane	1.162	1.048	9.8	112	0.00
9	T	Chloroethane	1.123	0.818	27.2	93	0.00
10	T	Ethanol	1.010	0.842	16.6	106	0.00
11	T	Acetonitrile	2.482	2.123	14.5	101	-0.01
12	T	Acrolein	0.805	0.731	9.2	106	0.00
13	T	Acetone	1.285	0.974	24.2	107	0.00
14	T	Trichlorofluoromethane	2.146	1.917	10.7	111	0.00
15	T	Isopropanol	3.325	2.739	17.6	102	0.00
16	T	Acrylonitrile	1.744	1.534	12.0	106	0.00
17	T	1,1-Dichloroethene	1.317	1.185	10.0	110	0.00
18	T	tert-Butanol	3.244	2.916	10.1	110	-0.01
19	T	Methylene Chloride	1.540	1.298	15.7	110	0.00
20	T	Allyl Chloride	1.629	1.489	8.6	104	0.00
21	T	Trichlorotrifluoroethane	1.147	1.068	6.9	116	0.00
22	T	Carbon Disulfide	5.764	4.851	15.8	110	0.00
23	T	trans-1,2-Dichloroethene	2.073	1.849	10.8	109	0.00
24	T	1,1-Dichloroethane	2.093	1.839	12.1	108	0.00
25	T	Methyl tert-Butyl Ether	4.336	3.938	9.2	111	0.00
26	T	Vinyl Acetate	0.292	0.325	-11.3	121	0.00
27	T	2-Butanone	0.989	0.903	8.7	113	0.00
28	T	cis-1,2-Dichloroethene	1.894	1.699	10.3	111	0.00
29	T	Diisopropyl Ether	1.154	1.063	7.9	114	0.00
30	T	Ethyl Acetate	0.477	0.428	10.3	108	0.00
31	T	n-Hexane	2.267	1.950	14.0	107	0.00
32	T	Chloroform	2.136	1.849	13.4	113	0.00
33	S	1,2-Dichloroethane-d4(SS1)	1.764	1.705	3.3	116	0.00
34	T	Tetrahydrofuran	0.881	0.817	7.3	108	0.00
35	T	Ethyl tert-Butyl Ether	1.712	1.629	4.8	117	0.00
36	T	1,2-Dichloroethane	1.970	1.849	6.1	115	0.00
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	122	0.00
38	T	1,1,1-Trichloroethane	0.519	0.494	4.8	117	0.00
39	T	Isopropyl Acetate	0.193	0.178	7.8	110	0.00
40	T	1-Butanol	0.221	0.239	-8.1	111	0.00
41	T	Benzene	1.223	1.109	9.3	113	0.00
42	T	Carbon Tetrachloride	0.399	0.405	-1.5	117	0.00
43	T	Cyclohexane	0.478	0.430	10.0	115	0.00
44	T	tert-Amyl Methyl Ether	0.894	0.835	6.6	115	0.00
45	T	1,2-Dichloropropane	0.304	0.275	9.5	113	0.00
46	T	Bromodichloromethane	0.420	0.396	5.7	115	0.00
47	T	Trichloroethene	0.305	0.290	4.9	120	0.00
48	T	1,4-Dioxane	0.228	0.220	3.5	116	0.00
49	T	Isooctane	1.204	1.061	11.9	109	0.00
50	T	Methyl Methacrylate	0.118	0.122	-3.4	119	0.00
51	T	n-Heptane	0.303	0.280	7.6	114	0.00

LM 3/24/07
3/26/07

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\DATA\2007_03\23\
Data File : 03230717.D
Acq On : 23 Mar 2007 20:38
Operator : LM/SC
Sample : 25ng TO-15 CCV STD
Misc : S15-03150704/S15-03070705
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 24 08:45:23 2007
Quant Method : J:\MS08\METHODS\R8031907.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Mon Mar 19 16:14:30 2007
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	0.499	0.472	5.4	113	0.00
53	T	4-Methyl-2-pentanone	0.259	0.243	6.2	110	0.00
54	T	trans-1,3-Dichloropropene	0.465	0.445	4.3	115	0.00
55	T	1,1,2-Trichloroethane	0.302	0.285	5.6	117	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	122	0.00
57	S	Toluene-d8 (SS2)	2.168	2.150	0.8	121	0.00
58	T	Toluene	2.486	2.318	6.8	116	0.00
59	T	2-Hexanone	1.273	1.164	8.6	109	0.00
60	T	Dibromochloromethane	0.659	0.658	0.2	120	0.00
61	T	1,2-Dibromoethane	0.682	0.671	1.6	119	0.00
62	T	Butyl Acetate	1.380	1.294	6.2	108	0.00
63	T	n-Octane	0.494	0.453	8.3	112	0.00
64	T	Tetrachloroethene	0.594	0.591	0.5	123	0.00
65	T	Chlorobenzene	1.596	1.511	5.3	119	0.00
66	T	Ethylbenzene	2.824	2.718	3.8	117	0.00
67	T	m- & p-Xylene	1.823	1.746	4.2	117	0.00
68	T	Bromoform	0.420	0.449	-6.9	124	0.00
69	T	Styrene	1.636	1.650	-0.9	118	0.00
70	T	o-Xylene	1.963	1.892	3.6	117	0.00
71	T	n-Nonane	1.091	0.984	9.8	108	0.00
72	T	1,1,2,2-Tetrachloroethane	0.921	0.892	3.1	114	0.00
73	S	Bromofluorobenzene (SS3)	0.661	0.712	-7.7	130	0.00
74	T	Cumene	2.601	2.548	2.0	117	0.00
75	T	alpha-Pinene	1.355	1.338	1.3	116	0.00
76	T	n-Propylbenzene	3.402	3.288	3.4	115	0.00
77	T	3-Ethyltoluene	2.788	2.759	1.0	117	0.00
78	T	4-Ethyltoluene	2.564	2.535	1.1	117	0.00
79	T	1,3,5-Trimethylbenzene	2.233	2.232	0.0	118	0.00
80	T	alpha-Methylstyrene	1.142	1.206	-5.6	116	0.00
81	T	2-Ethyltoluene	2.787	2.764	0.8	116	0.00
82	T	1,2,4-Trimethylbenzene	2.187	2.170	0.8	116	0.00
83	T	n-Decane	1.110	1.057	4.8	110	0.00
84	T	Benzyl Chloride	2.041	2.117	-3.7	114	0.00
85	T	1,3-Dichlorobenzene	1.224	1.253	-2.4	118	0.00
86	T	1,4-Dichlorobenzene	1.199	1.230	-2.6	119	0.00
87	T	sec-Butylbenzene	2.960	2.949	0.4	115	0.00
88	T	p-Isopropyltoluene	2.325	2.355	-1.3	116	0.00
89	T	1,2,3-Trimethylbenzene	2.101	2.097	0.2	114	0.00
90	T	1,2-Dichlorobenzene	1.116	1.151	-3.1	118	0.00
91	T	d-Limonene	0.814	0.805	1.1	109	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.360	0.452	-25.6	121	0.00
93	T	n-Undecane	0.828	0.878	-6.0	110	0.00
94	T	1,2,4-Trichlorobenzene	0.203	0.256	-26.1	121	0.00
95	T	Naphthalene	2.134	2.670	-25.1	115	0.00
96	T	n-Dodecane	0.613	0.685	-11.7	109	0.00
97	T	Hexachloro-1,3-butadiene	0.332	0.421	-26.8	120	0.00

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

LM 3/24/07
EC 3/26/07

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\DATA\2007_03\23\
Data File : 03230719.D
Acq On : 23 Mar 2007 21:54
Operator : LM/SC
Sample : 1ng TO-15 CCV STD
Misc : S15-03150704/S15-03070703
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 24 08:59:08 2007
Quant Method : J:\MS08\METHODS\R8031907.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Mon Mar 19 16:14:30 2007
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	113	-0.03
2	T	Propene	1.440	1.290	10.4	97	0.03
3	T	Dichlorodifluoromethane	3.114	3.050	2.1	102	0.02
4	T	Chloromethane	2.199	2.000	9.0	96	0.01
5	T	Freon 114	0.955	1.025	-7.3	110	0.01
6	T	Vinyl Chloride	1.908	1.951	-2.3	107	0.01
7	T	1,3-Butadiene	1.400	1.362	2.7	109	0.00
8	T	Bromomethane	1.162	1.104	5.0	108	0.00
9	T	Chloroethane	1.123	0.879	21.7	83	0.00
10	T	Ethanol	1.010	0.823	18.5	89	-0.02
11	T	Acetonitrile	2.482	2.135	14.0	98	-0.02
12	T	Acrolein	0.805	0.730	9.3	116	0.00
13	T	Acetone	1.285	1.339	-4.2	102	-0.02
14	T	Trichlorofluoromethane	2.146	2.053	4.3	103	0.00
15	T	Isopropanol	3.325	3.383	-1.7	101	-0.03
16	T	Acrylonitrile	1.744	1.583	9.2	105	-0.02
17	T	1,1-Dichloroethene	1.317	1.285	2.4	109	0.00
18	T	tert-Butanol	3.244	3.323	-2.4	105	0.08
19	T	Methylene Chloride	1.540	1.539	0.1	106	-0.02
20	T	Allyl Chloride	1.629	1.354	16.9	102	-0.01
21	T	Trichlorotrifluoroethane	1.147	1.131	1.4	107	0.00
22	T	Carbon Disulfide	5.764	5.907	-2.5	108	0.00
23	T	trans-1,2-Dichloroethene	2.073	1.974	4.8	102	-0.02
24	T	1,1-Dichloroethane	2.093	2.093	0.0	107	-0.02
25	T	Methyl tert-Butyl Ether	4.336	4.234	2.4	107	0.00
26	T	Vinyl Acetate	0.292	0.279	4.5	133	-0.01
27	T	2-Butanone	0.989	1.015	-2.6	112	-0.02
28	T	cis-1,2-Dichloroethene	1.894	1.821	3.9	105	-0.02
29	T	Diisopropyl Ether	1.154	1.166	-1.0	110	-0.01
30	T	Ethyl Acetate	0.477	0.489	-2.5	112	-0.02
31	T	n-Hexane	2.267	2.266	0.0	109	0.00
32	T	Chloroform	2.136	2.245	-5.1	107	-0.03
33	S	1,2-Dichloroethane-d4(SS1)	1.764	1.780	-0.9	111	-0.02
34	T	Tetrahydrofuran	0.881	0.896	-1.7	107	0.00
35	T	Ethyl tert-Butyl Ether	1.712	1.738	-1.5	113	-0.02
36	T	1,2-Dichloroethane	1.970	1.956	0.7	104	-0.02
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	114	-0.01
38	T	1,1,1-Trichloroethane	0.519	0.534	-2.9	113	-0.02
39	T	Isopropyl Acetate	0.193	0.181	6.2	101	-0.01
40	T	1-Butanol	0.221	0.186	15.8	120	0.03
41	T	Benzene	1.223	1.222	0.1	108	-0.01
42	T	Carbon Tetrachloride	0.399	0.346	13.3	107	-0.01
43	T	Cyclohexane	0.478	0.490	-2.5	109	-0.01
44	T	tert-Amyl Methyl Ether	0.894	0.896	-0.2	112	0.00
45	T	1,2-Dichloropropane	0.304	0.302	0.7	106	0.00
46	T	Bromodichloromethane	0.420	0.404	3.8	106	-0.02
47	T	Trichloroethene	0.305	0.321	-5.2	111	-0.01
48	T	1,4-Dioxane	0.228	0.236	-3.5	113	0.00
49	T	Isooctane	1.204	1.230	-2.2	109	-0.01
50	T	Methyl Methacrylate	0.118	0.120	-1.7	126	0.00
51	T	n-Heptane	0.303	0.312	-3.0	109	-0.01

LM 3/24/07
E 3/26/07

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\DATA\2007_03\23\
Data File : 03230719.D
Acq On : 23 Mar 2007 21:54
Operator : LM/SC
Sample : 1ng TO-15 CCV STD
Misc : S15-03150704/S15-03070703
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 24 08:59:08 2007
Quant Method : J:\MS08\METHODS\R8031907.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Mon Mar 19 16:14:30 2007
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	0.499	0.487	2.4	110	0.00
53	T	4-Methyl-2-pentanone	0.259	0.264	-1.9	114	0.00
54	T	trans-1,3-Dichloropropene	0.465	0.441	5.2	109	0.00
55	T	1,1,2-Trichloroethane	0.302	0.304	-0.7	112	-0.01
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	115	0.00
57	S	Toluene-d8 (SS2)	2.168	2.156	0.6	113	0.00
58	T	Toluene	2.486	2.620	-5.4	111	-0.01
59	T	2-Hexanone	1.273	1.247	2.0	108	0.00
60	T	Dibromochloromethane	0.659	0.662	-0.5	111	0.00
61	T	1,2-Dibromoethane	0.682	0.692	-1.5	116	0.00
62	T	Butyl Acetate	1.380	1.314	4.8	112	0.00
63	T	n-Octane	0.494	0.518	-4.9	111	-0.01
64	T	Tetrachloroethene	0.594	0.647	-8.9	114	0.00
65	T	Chlorobenzene	1.596	1.698	-6.4	113	0.00
66	T	Ethylbenzene	2.824	2.985	-5.7	115	0.00
67	T	m- & p-Xylene	1.823	1.954	-7.2	115	-0.01
68	T	Bromoform	0.420	0.432	-2.9	117	-0.01
69	T	Styrene	1.636	1.674	-2.3	116	0.00
70	T	o-Xylene	1.963	2.113	-7.6	118	0.00
71	T	n-Nonane	1.091	1.103	-1.1	107	0.00
72	T	1,1,2,2-Tetrachloroethane	0.921	0.958	-4.0	113	0.00
73	S	Bromofluorobenzene (SS3)	0.661	0.707	-7.0	125	0.00
74	T	Cumene	2.601	2.821	-8.5	119	0.00
75	T	alpha-Pinene	1.355	1.438	-6.1	117	0.00
76	T	n-Propylbenzene	3.402	3.599	-5.8	113	0.00
77	T	3-Ethyltoluene	2.788	2.949	-5.8	116	0.00
78	T	4-Ethyltoluene	2.564	2.783	-8.5	116	0.00
79	T	1,3,5-Trimethylbenzene	2.233	2.499	-11.9	120	0.00
80	T	alpha-Methylstyrene	1.142	1.220	-6.8	125	0.00
81	T	2-Ethyltoluene	2.787	3.059	-9.8	116	0.00
82	T	1,2,4-Trimethylbenzene	2.187	2.465	-12.7	120	0.00
83	T	n-Decane	1.110	1.189	-7.1	113	0.00
84	T	Benzyl Chloride	2.041	2.097	-2.7	119	0.00
85	T	1,3-Dichlorobenzene	1.224	1.390	-13.6	119	0.00
86	T	1,4-Dichlorobenzene	1.199	1.369	-14.2	123	0.00
87	T	sec-Butylbenzene	2.960	3.244	-9.6	116	0.00
88	T	p-Isopropyltoluene	2.325	2.670	-14.8	121	0.00
89	T	1,2,3-Trimethylbenzene	2.101	2.338	-11.3	117	0.00
90	T	1,2-Dichlorobenzene	1.116	1.316	-17.9	125	0.00
91	T	d-Limonene	0.814	0.826	-1.5	113	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.360	0.363	-0.8	146	0.00
93	T	n-Undecane	0.828	0.977	-18.0	135	0.00
94	T	1,2,4-Trichlorobenzene	0.203	0.257	-26.6	182	0.00
95	T	Naphthalene	2.134	2.564	-20.1	173	0.00
96	T	n-Dodecane	0.613	0.889	-45.0#	183	0.00
97	T	Hexachloro-1,3-butadiene	0.332	0.385	-16.0	177	0.00

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

LM 3/24/07
EC 3/26/07

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\DATA\2007_03\23\
Data File : 03230730.D
Acq On : 24 Mar 2007 4:50
Operator : LM/SC
Sample : 25ng TO-15 CCV STD
Misc : S15-03150704/S15-03070705
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 26 11:29:27 2007
Quant Method : J:\MS08\METHODS\R8031907.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Mon Mar 19 16:14:30 2007
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	123	0.00
2	T	Propene	1.440	1.105	23.3	98	0.01
3	T	Dichlorodifluoromethane	3.114	2.587	16.9	107	0.01
4	T	Chloromethane	2.199	1.747	20.6	98	0.00
5	T	Freon 114	0.955	0.855	10.5	114	0.00
6	T	Vinyl Chloride	1.908	1.604	15.9	107	0.00
7	T	1,3-Butadiene	1.400	1.214	13.3	106	0.00
8	T	Bromomethane	1.162	1.030	11.4	112	0.00
9	T	Chloroethane	1.123	0.927	17.5	107	0.00
10	T	Ethanol	1.010	0.794	21.4	102	0.00
11	T	Acetonitrile	2.482	2.014	18.9	97	0.00
12	T	Acrolein	0.805	0.714	11.3	106	0.00
13	T	Acetone	1.285	0.943	26.6	105	0.00
14	T	Trichlorofluoromethane	2.146	1.885	12.2	111	0.00
15	T	Isopropanol	3.325	2.659	20.0	101	0.00
16	T	Acrylonitrile	1.744	1.471	15.7	103	0.00
17	T	1,1-Dichloroethene	1.317	1.163	11.7	110	0.00
18	T	tert-Butanol	3.244	2.859	11.9	110	0.00
19	T	Methylene Chloride	1.540	1.258	18.3	109	0.00
20	T	Allyl Chloride	1.629	1.423	12.6	101	0.00
21	T	Trichlorotrifluoroethane	1.147	1.049	8.5	117	0.00
22	T	Carbon Disulfide	5.764	4.739	17.8	109	0.00
23	T	trans-1,2-Dichloroethene	2.073	1.806	12.9	109	0.00
24	T	1,1-Dichloroethane	2.093	1.809	13.6	108	0.00
25	T	Methyl tert-Butyl Ether	4.336	3.890	10.3	112	0.00
26	T	Vinyl Acetate	0.292	0.326	-11.6	124	0.00
27	T	2-Butanone	0.989	0.880	11.0	112	0.00
28	T	cis-1,2-Dichloroethene	1.894	1.655	12.6	110	0.00
29	T	Diisopropyl Ether	1.154	1.049	9.1	114	0.00
30	T	Ethyl Acetate	0.477	0.413	13.4	106	0.00
31	T	n-Hexane	2.267	1.922	15.2	108	0.00
32	T	Chloroform	2.136	1.807	15.4	112	0.00
33	S	1,2-Dichloroethane-d4(SS1)	1.764	1.681	4.7	116	0.00
34	T	Tetrahydrofuran	0.881	0.792	10.1	107	0.00
35	T	Ethyl tert-Butyl Ether	1.712	1.591	7.1	116	0.00
36	T	1,2-Dichloroethane	1.970	1.799	8.7	114	0.00
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	123	0.00
38	T	1,1,1-Trichloroethane	0.519	0.492	5.2	117	0.00
39	T	Isopropyl Acetate	0.193	0.179	7.3	111	0.00
40	T	1-Butanol	0.221	0.236	-6.8	110	0.00
41	T	Benzene	1.223	1.103	9.8	113	0.00
42	T	Carbon Tetrachloride	0.399	0.403	-1.0	116	0.00
43	T	Cyclohexane	0.478	0.428	10.5	114	0.00
44	T	tert-Amyl Methyl Ether	0.894	0.830	7.2	115	0.00
45	T	1,2-Dichloropropane	0.304	0.267	12.2	109	0.00
46	T	Bromodichloromethane	0.420	0.395	6.0	115	0.00
47	T	Trichloroethene	0.305	0.292	4.3	121	0.00
48	T	1,4-Dioxane	0.228	0.220	3.5	116	0.00
49	T	Isooctane	1.204	1.062	11.8	110	0.00
50	T	Methyl Methacrylate	0.118	0.122	-3.4	119	0.00
51	T	n-Heptane	0.303	0.280	7.6	114	0.00

E 3/26/07
CM 3/27/07

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\DATA\2007_03\23\
Data File : 03230730.D
Acq On : 24 Mar 2007 4:50
Operator : LM/SC
Sample : 25ng TO-15 CCV STD
Misc : S15-03150704/S15-03070705
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 26 11:29:27 2007
Quant Method : J:\MS08\METHODS\R8031907.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Mon Mar 19 16:14:30 2007
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	0.499	0.471	5.6	113	0.00
53	T	4-Methyl-2-pentanone	0.259	0.240	7.3	109	0.00
54	T	trans-1,3-Dichloropropene	0.465	0.444	4.5	115	0.00
55	T	1,1,2-Trichloroethane	0.302	0.285	5.6	117	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	122	0.00
57	S	Toluene-d8 (SS2)	2.168	2.154	0.6	121	0.00
58	T	Toluene	2.486	2.296	7.6	115	0.00
59	T	2-Hexanone	1.273	1.150	9.7	108	0.00
60	T	Dibromochloromethane	0.659	0.662	-0.5	121	0.00
61	T	1,2-Dibromoethane	0.682	0.667	2.2	118	0.00
62	T	Butyl Acetate	1.380	1.289	6.6	108	0.00
63	T	n-Octane	0.494	0.458	7.3	113	0.00
64	T	Tetrachloroethene	0.594	0.591	0.5	123	0.00
65	T	Chlorobenzene	1.596	1.512	5.3	119	0.00
66	T	Ethylbenzene	2.824	2.713	3.9	117	0.00
67	T	m- & p-Xylene	1.823	1.736	4.8	116	0.00
68	T	Bromoform	0.420	0.451	-7.4	124	0.00
69	T	Styrene	1.636	1.636	0.0	117	0.00
70	T	o-Xylene	1.963	1.881	4.2	116	0.00
71	T	n-Nonane	1.091	0.971	11.0	107	0.00
72	T	1,1,2,2-Tetrachloroethane	0.921	0.877	4.8	112	0.00
73	S	Bromofluorobenzene (SS3)	0.661	0.715	-8.2	130	0.00
74	T	Cumene	2.601	2.553	1.8	117	0.00
75	T	alpha-Pinene	1.355	1.349	0.4	117	0.00
76	T	n-Propylbenzene	3.402	3.277	3.7	115	0.00
77	T	3-Ethyltoluene	2.788	2.711	2.8	116	0.00
78	T	4-Ethyltoluene	2.564	2.559	0.2	118	0.00
79	T	1,3,5-Trimethylbenzene	2.233	2.216	0.8	117	0.00
80	T	alpha-Methylstyrene	1.142	1.205	-5.5	116	0.00
81	T	2-Ethyltoluene	2.787	2.749	1.4	116	0.00
82	T	1,2,4-Trimethylbenzene	2.187	2.154	1.5	115	0.00
83	T	n-Decane	1.110	1.054	5.0	110	0.00
84	T	Benzyl Chloride	2.041	2.111	-3.4	114	0.00
85	T	1,3-Dichlorobenzene	1.224	1.245	-1.7	118	0.00
86	T	1,4-Dichlorobenzene	1.199	1.216	-1.4	118	0.00
87	T	sec-Butylbenzene	2.960	2.915	1.5	114	0.00
88	T	p-Isopropyltoluene	2.325	2.340	-0.6	115	0.00
89	T	1,2,3-Trimethylbenzene	2.101	2.096	0.2	115	0.00
90	T	1,2-Dichlorobenzene	1.116	1.132	-1.4	116	0.00
91	T	d-Limonene	0.814	0.798	2.0	109	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.360	0.449	-24.7	121	0.00
93	T	n-Undecane	0.828	0.877	-5.9	111	0.00
94	T	1,2,4-Trichlorobenzene	0.203	0.255	-25.6	120	0.00
95	T	Naphthalene	2.134	2.677	-25.4	116	0.00
96	T	n-Dodecane	0.613	0.695	-13.4	111	0.00
97	T	Hexachloro-1,3-butadiene	0.332	0.429	-29.2	122	0.00

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

3/26/07
3/27/07

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2007_03\24\
Data File : 03240701.D
Acq On : 24 Mar 2007 7:50
Operator : LM/SC
Sample : 25ng TO-15 CCV STD
Misc : S15-03150704/S15-03070705
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 26 09:50:46 2007
Quant Method : J:\MS08\METHODS\R8031907.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Mon Mar 19 16:14:30 2007
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	123	0.00
2	T	Propene	1.440	1.164	19.2	103	0.01
3	T	Dichlorodifluoromethane	3.114	2.685	13.8	110	0.01
4	T	Chloromethane	2.199	1.745	20.6	98	0.00
5	T	Freon 114	0.955	0.880	7.9	117	0.00
6	T	Vinyl Chloride	1.908	1.676	12.2	112	0.01
7	T	1,3-Butadiene	1.400	1.256	10.3	110	0.01
8	T	Bromomethane	1.162	1.042	10.3	113	0.00
9	T	Chloroethane	1.123	0.951	15.3	110	0.00
10	T	Ethanol	1.010	0.822	18.6	106	0.01
11	T	Acetonitrile	2.482	2.123	14.5	103	0.00
12	T	Acrolein	0.805	0.727	9.7	107	0.00
13	T	Acetone	1.285	0.961	25.2	107	0.00
14	T	Trichlorofluoromethane	2.146	1.931	10.0	114	0.00
15	T	Isopropanol	3.325	2.734	17.8	104	0.01
16	T	Acrylonitrile	1.744	1.504	13.8	106	0.00
17	T	1,1-Dichloroethene	1.317	1.183	10.2	112	0.00
18	T	tert-Butanol	3.244	3.010	7.2	115	0.00
19	T	Methylene Chloride	1.540	1.297	15.8	112	0.01
20	T	Allyl Chloride	1.629	1.483	9.0	105	0.00
21	T	Trichlorotrifluoroethane	1.147	1.053	8.2	117	0.00
22	T	Carbon Disulfide	5.764	4.799	16.7	111	0.00
23	T	trans-1,2-Dichloroethene	2.073	1.820	12.2	110	0.00
24	T	1,1-Dichloroethane	2.093	1.840	12.1	110	0.00
25	T	Methyl tert-Butyl Ether	4.336	3.921	9.6	113	0.00
26	T	Vinyl Acetate	0.292	0.320	-9.6	122	0.00
27	T	2-Butanone	0.989	0.876	11.4	112	0.00
28	T	cis-1,2-Dichloroethene	1.894	1.663	12.2	110	0.00
29	T	Diisopropyl Ether	1.154	1.032	10.6	112	0.00
30	T	Ethyl Acetate	0.477	0.409	14.3	105	0.00
31	T	n-Hexane	2.267	1.934	14.7	108	0.00
32	T	Chloroform	2.136	1.826	14.5	113	0.00
33	S	1,2-Dichloroethane-d4(SS1)	1.764	1.727	2.1	119	0.00
34	T	Tetrahydrofuran	0.881	0.797	9.5	108	0.00
35	T	Ethyl tert-Butyl Ether	1.712	1.592	7.0	116	0.00
36	T	1,2-Dichloroethane	1.970	1.799	8.7	114	0.00
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	123	0.00
38	T	1,1,1-Trichloroethane	0.519	0.486	6.4	115	0.00
39	T	Isopropyl Acetate	0.193	0.175	9.3	108	0.00
40	T	1-Butanol	0.221	0.236	-6.8	110	0.00
41	T	Benzene	1.223	1.091	10.8	112	0.00
42	T	Carbon Tetrachloride	0.399	0.399	0.0	115	0.00
43	T	Cyclohexane	0.478	0.423	11.5	113	0.00
44	T	tert-Amyl Methyl Ether	0.894	0.825	7.7	114	0.00
45	T	1,2-Dichloropropane	0.304	0.266	12.5	109	0.00
46	T	Bromodichloromethane	0.420	0.390	7.1	114	0.00
47	T	Trichloroethene	0.305	0.287	5.9	118	0.00
48	T	1,4-Dioxane	0.228	0.216	5.3	114	0.00
49	T	Isooctane	1.204	1.054	12.5	109	0.00
50	T	Methyl Methacrylate	0.118	0.119	-0.8	116	0.00
51	T	n-Heptane	0.303	0.275	9.2	112	0.00

3/26/07
LM 3/26/07

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2007_03\24\
Data File : 03240701.D
Acq On : 24 Mar 2007 7:50
Operator : LM/SC
Sample : 25ng TO-15 CCV STD
Misc : S15-03150704/S15-03070705
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 26 09:50:46 2007
Quant Method : J:\MS08\METHODS\R8031907.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Mon Mar 19 16:14:30 2007
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	0.499	0.468	6.2	112	0.00
53	T	4-Methyl-2-pentanone	0.259	0.238	8.1	108	0.00
54	T	trans-1,3-Dichloropropene	0.465	0.436	6.2	113	0.00
55	T	1,1,2-Trichloroethane	0.302	0.279	7.6	115	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	122	0.00
57	S	Toluene-d8 (SS2)	2.168	2.154	0.6	122	0.00
58	T	Toluene	2.486	2.264	8.9	114	0.00
59	T	2-Hexanone	1.273	1.131	11.2	106	0.00
60	T	Dibromochloromethane	0.659	0.637	3.3	117	0.00
61	T	1,2-Dibromoethane	0.682	0.652	4.4	116	0.00
62	T	Butyl Acetate	1.380	1.267	8.2	106	0.00
63	T	n-Octane	0.494	0.439	11.1	109	0.00
64	T	Tetrachloroethene	0.594	0.575	3.2	120	0.00
65	T	Chlorobenzene	1.596	1.477	7.5	117	0.00
66	T	Ethylbenzene	2.824	2.656	5.9	114	0.00
67	T	m- & p-Xylene	1.823	1.705	6.5	115	0.00
68	T	Bromoform	0.420	0.429	-2.1	119	0.00
69	T	Styrene	1.636	1.599	2.3	115	0.00
70	T	o-Xylene	1.963	1.839	6.3	114	0.00
71	T	n-Nonane	1.091	0.960	12.0	106	0.00
72	T	1,1,2,2-Tetrachloroethane	0.921	0.866	6.0	111	0.00
73	S	Bromofluorobenzene (SS3)	0.661	0.698	-5.6	128	0.00
74	T	Cumene	2.601	2.464	5.3	113	0.00
75	T	alpha-Pinene	1.355	1.320	2.6	115	0.00
76	T	n-Propylbenzene	3.402	3.198	6.0	112	0.00
77	T	3-Ethyltoluene	2.788	2.708	2.9	116	0.00
78	T	4-Ethyltoluene	2.564	2.440	4.8	113	0.00
79	T	1,3,5-Trimethylbenzene	2.233	2.161	3.2	115	0.00
80	T	alpha-Methylstyrene	1.142	1.170	-2.5	113	0.00
81	T	2-Ethyltoluene	2.787	2.684	3.7	114	0.00
82	T	1,2,4-Trimethylbenzene	2.187	2.112	3.4	113	0.00
83	T	n-Decane	1.110	1.032	7.0	108	0.00
84	T	Benzyl Chloride	2.041	2.073	-1.6	113	0.00
85	T	1,3-Dichlorobenzene	1.224	1.205	1.6	114	0.00
86	T	1,4-Dichlorobenzene	1.199	1.187	1.0	116	0.00
87	T	sec-Butylbenzene	2.960	2.849	3.7	112	0.00
88	T	p-Isopropyltoluene	2.325	2.276	2.1	113	0.00
89	T	1,2,3-Trimethylbenzene	2.101	2.039	3.0	112	0.00
90	T	1,2-Dichlorobenzene	1.116	1.101	1.3	113	0.00
91	T	d-Limonene	0.814	0.781	4.1	107	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.360	0.436	-21.1	118	0.00
93	T	n-Undecane	0.828	0.862	-4.1	109	0.00
94	T	1,2,4-Trichlorobenzene	0.203	0.245	-20.7	116	0.00
95	T	Naphthalene	2.134	2.618	-22.7	114	0.00
96	T	n-Dodecane	0.613	0.693	-13.1	111	0.00
97	T	Hexachloro-1,3-butadiene	0.332	0.410	-23.5	117	0.00

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

3/26/07
3/26/07

120

Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2007_03\24\
Data File : 03240703.D
Acq On : 24 Mar 2007 9:35
Operator : LM/SC
Sample : 1ng TO-15 CCV STD
Misc : S15-03150704/S15-03070703
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 26 10:01:17 2007
Quant Method : J:\MS08\METHODS\R8031907.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Mon Mar 19 16:14:30 2007
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	111	-0.03
2	T	Propene	1.440	1.312	8.9	96	0.03
3	T	Dichlorodifluoromethane	3.114	3.107	0.2	102	0.02
4	T	Chloromethane	2.199	2.108	4.1	99	0.02
5	T	Freon 114	0.955	1.048	-9.7	110	0.01
6	T	Vinyl Chloride	1.908	2.015	-5.6	108	0.01
7	T	1,3-Butadiene	1.400	1.485	-6.1	116	0.01
8	T	Bromomethane	1.162	1.206	-3.8	115	0.00
9	T	Chloroethane	1.123	0.930	17.2	86	0.00
10	T	Ethanol	1.010	0.855	15.3	90	-0.03
11	T	Acetonitrile	2.482	2.125	14.4	96	0.00
12	T	Acrolein	0.805	0.757	6.0	118	0.00
13	T	Acetone	1.285	1.422	-10.7	106	0.00
14	T	Trichlorofluoromethane	2.146	2.153	-0.3	106	0.00
15	T	Isopropanol	3.325	3.511	-5.6	103	-0.02
16	T	Acrylonitrile	1.744	1.633	6.4	106	-0.02
17	T	1,1-Dichloroethene	1.317	1.329	-0.9	111	0.00
18	T	tert-Butanol	3.244	3.505	-8.0	108	0.00
19	T	Methylene Chloride	1.540	1.577	-2.4	106	-0.02
20	T	Allyl Chloride	1.629	1.382	15.2	102	-0.01
21	T	Trichlorotrifluoroethane	1.147	1.190	-3.7	110	0.00
22	T	Carbon Disulfide	5.764	6.012	-4.3	107	0.00
23	T	trans-1,2-Dichloroethene	2.073	2.031	2.0	103	-0.02
24	T	1,1-Dichloroethane	2.093	2.093	0.0	104	-0.02
25	T	Methyl tert-Butyl Ether	4.336	4.335	0.0	108	0.00
26	T	Vinyl Acetate	0.292	0.299	-2.4	139	-0.01
27	T	2-Butanone	0.989	1.023	-3.4	110	-0.01
28	T	cis-1,2-Dichloroethene	1.894	1.901	-0.4	108	-0.02
29	T	Diisopropyl Ether	1.154	1.212	-5.0	112	-0.01
30	T	Ethyl Acetate	0.477	0.474	0.6	106	-0.01
31	T	n-Hexane	2.267	2.288	-0.9	107	0.00
32	T	Chloroform	2.136	2.239	-4.8	104	-0.03
33	S	1,2-Dichloroethane-d4(SS1)	1.764	1.809	-2.6	111	-0.02
34	T	Tetrahydrofuran	0.881	0.950	-7.8	111	0.00
35	T	Ethyl tert-Butyl Ether	1.712	1.668	2.6	106	-0.01
36	T	1,2-Dichloroethane	1.970	1.977	-0.4	103	-0.02
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	112	-0.02
38	T	1,1,1-Trichloroethane	0.519	0.519	0.0	108	-0.01
39	T	Isopropyl Acetate	0.193	0.183	5.2	101	-0.01
40	T	1-Butanol	0.221	0.182	17.6	117	0.02
41	T	Benzene	1.223	1.230	-0.6	108	-0.02
42	T	Carbon Tetrachloride	0.399	0.343	14.0	105	-0.02
43	T	Cyclohexane	0.478	0.494	-3.3	108	-0.01
44	T	tert-Amyl Methyl Ether	0.894	0.860	3.8	106	-0.01
45	T	1,2-Dichloropropane	0.304	0.294	3.3	102	-0.01
46	T	Bromodichloromethane	0.420	0.423	-0.7	110	-0.02
47	T	Trichloroethene	0.305	0.310	-1.6	106	-0.02
48	T	1,4-Dioxane	0.228	0.223	2.2	106	0.00
49	T	Isooctane	1.204	1.210	-0.5	106	-0.01
50	T	Methyl Methacrylate	0.118	0.115	2.5	119	-0.01
51	T	n-Heptane	0.303	0.310	-2.3	108	0.00

E 3/26/07
LM 3/26/07

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2007_03\24\
Data File : 03240703.D
Acq On : 24 Mar 2007 9:35
Operator : LM/SC
Sample : 1ng TO-15 CCV STD
Misc : S15-03150704/S15-03070703
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 26 10:01:17 2007
Quant Method : J:\MS08\METHODS\R8031907.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Mon Mar 19 16:14:30 2007
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	0.499	0.486	2.6	109	-0.01
53	T	4-Methyl-2-pentanone	0.259	0.246	5.0	105	-0.01
54	T	trans-1,3-Dichloropropene	0.465	0.431	7.3	106	0.00
55	T	1,1,2-Trichloroethane	0.302	0.303	-0.3	110	-0.02
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	115	0.00
57	S	Toluene-d8 (SS2)	2.168	2.128	1.8	112	-0.01
58	T	Toluene	2.486	2.588	-4.1	110	-0.01
59	T	2-Hexanone	1.273	1.205	5.3	104	0.00
60	T	Dibromochloromethane	0.659	0.667	-1.2	112	-0.01
61	T	1,2-Dibromoethane	0.682	0.686	-0.6	115	-0.01
62	T	Butyl Acetate	1.380	1.315	4.7	113	0.00
63	T	n-Octane	0.494	0.491	0.6	106	-0.02
64	T	Tetrachloroethene	0.594	0.640	-7.7	113	0.00
65	T	Chlorobenzene	1.596	1.631	-2.2	109	-0.01
66	T	Ethylbenzene	2.824	2.967	-5.1	115	-0.01
67	T	m- & p-Xylene	1.823	1.900	-4.2	112	-0.02
68	T	Bromoform	0.420	0.414	1.4	113	-0.01
69	T	Styrene	1.636	1.659	-1.4	115	0.00
70	T	o-Xylene	1.963	2.047	-4.3	114	-0.01
71	T	n-Nonane	1.091	1.094	-0.3	106	0.00
72	T	1,1,2,2-Tetrachloroethane	0.921	0.950	-3.1	112	-0.01
73	S	Bromofluorobenzene (SS3)	0.661	0.691	-4.5	122	0.00
74	T	Cumene	2.601	2.758	-6.0	117	0.00
75	T	alpha-Pinene	1.355	1.394	-2.9	113	0.00
76	T	n-Propylbenzene	3.402	3.502	-2.9	110	0.00
77	T	3-Ethyltoluene	2.788	2.944	-5.6	116	0.00
78	T	4-Ethyltoluene	2.564	2.787	-8.7	116	0.00
79	T	1,3,5-Trimethylbenzene	2.233	2.419	-8.3	116	0.00
80	T	alpha-Methylstyrene	1.142	1.179	-3.2	121	0.00
81	T	2-Ethyltoluene	2.787	3.072	-10.2	117	0.00
82	T	1,2,4-Trimethylbenzene	2.187	2.409	-10.2	117	0.00
83	T	n-Decane	1.110	1.180	-6.3	112	0.00
84	T	Benzyl Chloride	2.041	2.078	-1.8	118	0.00
85	T	1,3-Dichlorobenzene	1.224	1.400	-14.4	120	-0.01
86	T	1,4-Dichlorobenzene	1.199	1.399	-16.7	125	0.00
87	T	sec-Butylbenzene	2.960	3.269	-10.4	117	0.00
88	T	p-Isopropyltoluene	2.325	2.677	-15.1	121	0.00
89	T	1,2,3-Trimethylbenzene	2.101	2.344	-11.6	118	0.00
90	T	1,2-Dichlorobenzene	1.116	1.328	-19.0	126	0.00
91	T	d-Limonene	0.814	0.828	-1.7	113	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.360	0.359	0.3	145	0.00
93	T	n-Undecane	0.828	1.009	-21.9	140	0.00
94	T	1,2,4-Trichlorobenzene	0.203	0.254	-25.1	180	0.00
95	T	Naphthalene	2.134	2.650	-24.2	179	0.00
96	T	n-Dodecane	0.613	0.951	-55.1#	196	0.00
97	T	Hexachloro-1,3-butadiene	0.332	0.398	-19.9	183	0.00

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

3/26/07

LM 3/26/07

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\DATA\2007_03\24\
Data File : 03240714.D
Acq On : 24 Mar 2007 17:01
Operator : LM/SC
Sample : 25ng TO-15 CCV STD
Misc : S15-03150704/S15-03070704 (closing CCV)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 26 10:20:34 2007
Quant Method : J:\MS08\METHODS\R8031907.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Mon Mar 19 16:14:30 2007
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	119	0.00
2	T	Propene	1.440	1.124	21.9	96	0.01
3	T	Dichlorodifluoromethane	3.114	2.650	14.9	106	0.01
4	T	Chloromethane	2.199	1.815	17.5	98	0.00
5	T	Freon 114	0.955	0.872	8.7	112	0.00
6	T	Vinyl Chloride	1.908	1.693	11.3	109	0.00
7	T	1,3-Butadiene	1.400	1.267	9.5	107	0.00
8	T	Bromomethane	1.162	1.054	9.3	111	0.00
9	T	Chloroethane	1.123	0.951	15.3	106	0.00
10	T	Ethanol	1.010	0.821	18.7	102	0.00
11	T	Acetonitrile	2.482	2.069	16.6	97	0.00
12	T	Acrolein	0.805	0.721	10.4	103	0.00
13	T	Acetone	1.285	0.966	24.8	104	0.00
14	T	Trichlorofluoromethane	2.146	1.971	8.2	113	0.00
15	T	Isopropanol	3.325	2.723	18.1	100	0.00
16	T	Acrylonitrile	1.744	1.502	13.9	102	0.00
17	T	1,1-Dichloroethene	1.317	1.186	9.9	109	0.00
18	T	tert-Butanol	3.244	2.925	9.8	109	0.00
19	T	Methylene Chloride	1.540	1.299	15.6	109	0.00
20	T	Allyl Chloride	1.629	1.456	10.6	100	0.00
21	T	Trichlorotrifluoroethane	1.147	1.072	6.5	115	0.00
22	T	Carbon Disulfide	5.764	4.845	15.9	108	0.00
23	T	trans-1,2-Dichloroethene	2.073	1.827	11.9	106	0.00
24	T	1,1-Dichloroethane	2.093	1.803	13.9	104	0.00
25	T	Methyl tert-Butyl Ether	4.336	3.918	9.6	109	0.00
26	T	Vinyl Acetate	0.292	0.333	-14.0	123	0.00
27	T	2-Butanone	0.989	0.896	9.4	110	0.00
28	T	cis-1,2-Dichloroethene	1.894	1.646	13.1	106	0.00
29	T	Diisopropyl Ether	1.154	1.059	8.2	112	0.00
30	T	Ethyl Acetate	0.477	0.416	12.8	104	0.00
31	T	n-Hexane	2.267	1.936	14.6	105	0.00
32	T	Chloroform	2.136	1.794	16.0	108	0.00
33	S	1,2-Dichloroethane-d4(SS1)	1.764	1.692	4.1	113	0.00
34	T	Tetrahydrofuran	0.881	0.807	8.4	106	0.00
35	T	Ethyl tert-Butyl Ether	1.712	1.601	6.5	113	0.00
36	T	1,2-Dichloroethane	1.970	1.827	7.3	112	0.00
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	121	0.00
38	T	1,1,1-Trichloroethane	0.519	0.488	6.0	115	0.00
39	T	Isopropyl Acetate	0.193	0.175	9.3	107	0.00
40	T	1-Butanol	0.221	0.232	-5.0	107	0.00
41	T	Benzene	1.223	1.093	10.6	110	0.00
42	T	Carbon Tetrachloride	0.399	0.400	-0.3	114	0.00
43	T	Cyclohexane	0.478	0.424	11.3	112	0.00
44	T	tert-Amyl Methyl Ether	0.894	0.830	7.2	113	0.00
45	T	1,2-Dichloropropane	0.304	0.267	12.2	108	0.00
46	T	Bromodichloromethane	0.420	0.395	6.0	114	0.00
47	T	Trichloroethene	0.305	0.289	5.2	118	0.00
48	T	1,4-Dioxane	0.228	0.219	3.9	114	0.00
49	T	Isooctane	1.204	1.059	12.0	108	0.00
50	T	Methyl Methacrylate	0.118	0.122	-3.4	118	0.00
51	T	n-Heptane	0.303	0.279	7.9	112	0.00

3/26/07
LM 3/26/07

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\DATA\2007_03\24\
Data File : 03240714.D
Acq On : 24 Mar 2007 17:01
Operator : LM/SC
Sample : 25ng TO-15 CCV STD
Misc : S15-03150704/S15-03070704 (closing CCV)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 26 10:20:34 2007
Quant Method : J:\MS08\METHODS\R8031907.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Mon Mar 19 16:14:30 2007
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	0.499	0.470	5.8	111	0.00
53	T	4-Methyl-2-pentanone	0.259	0.239	7.7	107	0.00
54	T	trans-1,3-Dichloropropene	0.465	0.445	4.3	114	0.00
55	T	1,1,2-Trichloroethane	0.302	0.285	5.6	116	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	122	0.00
57	S	Toluene-d8 (SS2)	2.168	2.161	0.3	122	0.00
58	T	Toluene	2.486	2.297	7.6	116	0.00
59	T	2-Hexanone	1.273	1.135	10.8	107	0.00
60	T	Dibromochloromethane	0.659	0.658	0.2	121	0.00
61	T	1,2-Dibromoethane	0.682	0.663	2.8	118	0.00
62	T	Butyl Acetate	1.380	1.265	8.3	106	0.00
63	T	n-Octane	0.494	0.450	8.9	112	0.00
64	T	Tetrachloroethene	0.594	0.595	-0.2	124	0.00
65	T	Chlorobenzene	1.596	1.497	6.2	118	0.00
66	T	Ethylbenzene	2.824	2.693	4.6	116	0.00
67	T	m- & p-Xylene	1.823	1.727	5.3	116	-0.01
68	T	Bromoform	0.420	0.442	-5.2	123	0.00
69	T	Styrene	1.636	1.633	0.2	117	0.00
70	T	o-Xylene	1.963	1.869	4.8	116	0.00
71	T	n-Nonane	1.091	0.962	11.8	106	0.00
72	T	1,1,2,2-Tetrachloroethane	0.921	0.878	4.7	113	0.00
73	S	Bromofluorobenzene (SS3)	0.661	0.728	-10.1	133	0.00
74	T	Cumene	2.601	2.521	3.1	116	0.00
75	T	alpha-Pinene	1.355	1.329	1.9	116	0.00
76	T	n-Propylbenzene	3.402	3.254	4.4	114	0.00
77	T	3-Ethyltoluene	2.788	2.742	1.6	117	0.00
78	T	4-Ethyltoluene	2.564	2.479	3.3	115	0.00
79	T	1,3,5-Trimethylbenzene	2.233	2.207	1.2	117	0.00
80	T	alpha-Methylstyrene	1.142	1.190	-4.2	115	0.00
81	T	2-Ethyltoluene	2.787	2.733	1.9	116	0.00
82	T	1,2,4-Trimethylbenzene	2.187	2.150	1.7	115	0.00
83	T	n-Decane	1.110	1.039	6.4	109	0.00
84	T	Benzyl Chloride	2.041	2.088	-2.3	114	0.00
85	T	1,3-Dichlorobenzene	1.224	1.240	-1.3	118	0.00
86	T	1,4-Dichlorobenzene	1.199	1.214	-1.3	118	0.00
87	T	sec-Butylbenzene	2.960	2.904	1.9	114	0.00
88	T	p-Isopropyltoluene	2.325	2.325	0.0	115	0.00
89	T	1,2,3-Trimethylbenzene	2.101	2.078	1.1	114	0.00
90	T	1,2-Dichlorobenzene	1.116	1.136	-1.8	117	0.00
91	T	d-Limonene	0.814	0.782	3.9	107	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.360	0.452	-25.6	122	0.00
93	T	n-Undecane	0.828	0.864	-4.3	109	0.00
94	T	1,2,4-Trichlorobenzene	0.203	0.252	-24.1	120	0.00
95	T	Naphthalene	2.134	2.646	-24.0	115	0.00
96	T	n-Dodecane	0.613	0.688	-12.2	110	0.00
97	T	Hexachloro-1,3-butadiene	0.332	0.434	-30.7#	124	0.00

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

3/26/07
LM 3/26/07

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COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Project ID: WDI

CAS Project ID: P2700710

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: 03230701.D
Date Analyzed: 03/23/07
Time Analyzed: 08:47

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	24 Hour Standard	367180	9.08	1718283	11.00	860122	15.82
	Upper Limit	514052	9.41	2405596	11.33	1204171	16.15
	Lower Limit	220308	8.75	1030970	10.67	516073	15.49
	Client Sample ID						
01	Method Blank	354568	9.05	1671330	10.99	854308	15.82
02	Lab Control Sample	336752	9.07	1585644	11.00	829690	15.82
03	Duplicate Lab Control Sample	360190	9.08	1665112	11.00	868184	15.82
04	WDI-VW-39-S-3-12-07	361911	9.05	1716959	10.99	881704	15.82
05	WDI-VW-39-S-3-12-07 (Lab Duplicate)	411387	9.05	1898988	10.99	952742	15.82
06	WDI-VW-39-D-3-12-07	422669	9.06	1967161	11.00	970351	15.82
07	WDI-VW-36-S-3-13-07	402742	9.06	1891599	11.00	962982	15.82
08	WDI-VW-36-S-3-13-07 (Dilution)	423400	9.05	1922714	10.99	962714	15.82
09	WDI-VW-36-D-3-13-07	410129	9.06	1904126	11.00	953194	15.82
10	WDI-VW-35-D-3-13-07	432823	9.05	1967709	10.99	980891	15.82
11	WDI-VW-38-S-3-12-07	381626	9.05	1755668	10.98	913202	15.82
12	WDI-VW-38-D-3-12-07	383465	9.06	1796805	11.00	907113	15.82
13	WDI-VW-37-D-3-12-07 (Dilution)	455263	9.05	2117400	10.98	1046898	15.82
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: HJ Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Project ID: WDI

CAS Project ID: P2700710

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: 03230717.D
Date Analyzed: 03/23/07
Time Analyzed: 20:38

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	24 Hour Standard	424103	9.07	1967320	11.00	997175	15.82
	Upper Limit	593744	9.40	2754248	11.33	1396045	16.15
	Lower Limit	254462	8.74	1180392	10.67	598305	15.49
	Client Sample ID						
01	Method Blank	426294	9.04	1976832	10.98	973466	15.82
02	Lab Control Sample	395567	9.07	1821656	11.00	931007	15.82
03	Duplicate Lab Control Sample	400239	9.07	1851475	11.00	948147	15.82
04	WDI-VW-37-S-3-12-07	400598	9.05	1900502	10.99	962141	15.82
05	WDI-VW-37-S-3-12-07 (Lab Duplicate)	415978	9.05	1959530	10.99	970786	15.82
06	WDI-VW-37-D-3-12-07-SC	421003	9.06	1978371	10.99	985672	15.82
07	WDI-VW-34-D-3-13-07-SC	416632	9.06	1966615	11.00	979463	15.82
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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: LH Date: 3/28/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Project ID: WDI

CAS Project ID: P2700710

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: 03240701.D
Date Analyzed: 03/24/07
Time Analyzed: 07:50

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	24 Hour Standard	432096	9.08	1970830	11.00	1002253	15.82
	Upper Limit	604934	9.41	2759162	11.33	1403154	16.15
	Lower Limit	259258	8.75	1182498	10.67	601352	15.49
	Client Sample ID						
01	Method Blank	425445	9.05	1985474	10.99	969407	15.82
02	Lab Control Sample	399054	9.07	1837290	11.00	937478	15.82
03	Duplicate Lab Control Sample	392562	9.07	1820138	11.00	948274	15.82
04	WDI-VW-35-S-3-13-07	400301	9.06	1862382	11.00	947219	15.82
05	WDI-VW-37-D-3-12-07-SC (Dilution)	429438	9.05	2003388	10.99	1001439	15.82
06	WDI-VW-34-S-3-13-07	416867	9.06	1967392	10.99	1002839	15.82
07	WDI-VW-34-I-3-13-07	417873	9.06	1941162	11.00	985283	15.82
08	WDI-VW-34-D-3-13-07	414942	9.06	1942989	11.00	997680	15.82
09	WDI-VW-37-D-3-12-07	418820	9.05	1945666	11.00	988230	15.82
10							
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18							
19							
20							

IS1 (BCM) = Bromochloromethane
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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: LW Date: 3/28/07

	Date/Time	File Name	Sample ID	Misc Info	Operator	Vial	Comment
1	3/19/07 8:53	03190701.D	5ng TO-15 CCV STD	S15-03150704/S15-03070701	SC	1	failed
2	3/19/07 9:59	03190702.D	5ng TO-15 CCV STD	S15-03150704/S15-03070701	SC	1	failed
3	3/19/07 10:35	03190703.D	Blank (200ml)	check system	SC	1	
4	3/19/07 11:38	03190704.D	25ng BFB STD	S15-03150704	LM/SC	1	Passed
5	3/19/07 12:14	03190705.D	0.5ng TO-15 ICAL STD	S15-03150704/S15-03070703	LM/SC	1	Passed All Comp
6	3/19/07 12:50	03190706.D	1ng TO-15 ICAL STD	S15-03150704/S15-03070703	LM/SC	1	
7	3/19/07 13:25	03190707.D	5ng TO-15 ICAL STD	S15-03150704/S15-03070703	LM/SC	1	
8	3/19/07 14:01	03190708.D	25ng TO-15 ICAL STD	S15-03150704/S15-03070705	LM/SC	1	
9	3/19/07 14:37	03190709.D	50ng TO-15 ICAL STD	S15-03150704/S15-03070705	LM/SC	1	
10	3/19/07 15:13	03190710.D	100ng TO-15 ICAL STD	S15-03150704/S15-03070705	LM/SC	1	
11	3/19/07 15:49	03190711.D	25ng TO-15 ICV STD	S15-03150704/S15-03070707	LM/SC	2	
12	3/19/07 16:41	03190712.D	TO-15 Method Blank (1000ml)	S15-03150704	LM/SC	1	Passed
13	3/19/07 17:25	03190713.D	25ng TO-15 LCS STD	S15-03150704/S15-03070707	LM/SC	2	Passed
14	3/19/07 18:10	03190714.D	25ng TO-15 LCSD STD	S15-03150704/S15-03070707	LM/SC	2	Passed
15	3/19/07 19:13	03190715.D	P2700712-004 (1000ml)	[redacted]	LM/SC	6	
16	3/19/07 19:55	03190716.D	P2700712-004 DUP(1000ml)	[redacted]	LM/SC	6	
17	3/19/07 20:36	03190717.D	P2700712-001 (1000ml)	[redacted]	LM/SC	3	
18	3/19/07 21:17	03190718.D	P2700712-002 (1000ml)	[redacted]	LM/SC	4	
19	3/19/07 21:59	03190719.D	P2700712-003 (1000ml)	[redacted]	LM/SC	5	
20	3/19/07 22:40	03190720.D	P2700712-005 (1000ml)	[redacted]	LM/SC	7	
21	3/19/07 23:21	03190721.D	P2700712-006 (1000ml)	[redacted]	LM/SC	8	
22	3/20/07 0:03	03190722.D	P2700712-007 (1000ml)	[redacted]	LM/SC	9	
23	3/20/07 0:44	03190723.D	P2700712-008 (1000ml)	[redacted]	LM/SC	10	
24	3/20/07 1:26	03190724.D	P2700712-009 (1000ml)	[redacted]	LM/SC	11	
25	3/20/07 2:07	03190725.D	P2700712-010 (1000ml)	[redacted]	LM/SC	12	
26	3/20/07 2:48	03190726.D	P2700712-011 (1000ml)	[redacted]	LM/SC	13	
27	3/20/07 3:30	03190727.D	P2700712-012 (1000ml)	[redacted]	LM/SC	14	
28	3/20/07 4:11	03190728.D	P2700712-013 (1000ml)	[redacted]	LM/SC	15	failed IS
29	3/20/07 4:53	03190729.D	P2700712-014 (1000ml)	[redacted]	LM/SC	16	
30	3/20/07 5:28	03190730.D	P2700685-004 (100ml)	[redacted]	LM/SC	1	
31	3/20/07 8:59	03190731.D	P2700712-015 (1000ml)	[redacted]	LM/SC	3	
32	3/20/07 9:41	03190732.D	P2700712-016 (1000ml)	[redacted]	LM/SC	4	
33	3/20/07 10:22	03190733.D	P2700712-017 (1000ml)	[redacted]	LM/SC	5	
34	3/20/07 10:58	03190734.D	P2700712-013 (100ml)	[redacted]	LM/SC	15	

1	3/20/07 11:52	03200701.D	25ng TO-15 CCV STD	S15-03150704/S15-03070705	LM/SC	1	Passed
2	3/20/07 12:46	03200702.D	TO-15 Method Blank (1000ml)	S15-03150704	LM/SC	1	Passed
3	3/20/07 13:45	03200703.D	1ng TO-15 CCV STD	S15-03150704/S15-03070703	LM/SC	1	Passed
4	3/20/07 14:36	03200704.D	25ng TO-15 LCS STD	S15-03150704/S15-03070707	LM/SC	2	Passed
5	3/20/07 15:21	03200705.D	25ng TO-15 LCSD STD	S15-03150704/S15-03070707	LM/SC	2	Passed
6	3/20/07 16:20	03200706.D	P2700675-001 (1000ml)	TRC WDI-IBM-49-3-11-07 (-3.5,3.8)	LM/SC	3	
7	3/20/07 17:23	03200707.D	P2700675-001DUP (1000ml)	TRC WDI-IBM-49-3-11-07 (-3.5,3.8)	LM/SC	3	Passed
8	3/20/07 18:20	03200708.D	P2700675-002 (1000ml)	TRC WDI-IBM-49-3-11-07-SC (-3.2,3.5)	LM/SC	4	
9	3/20/07 19:05	03200709.D	P2700675-003 (1000ml)	TRC WDI-IBM-24-3-11-07 (-4.2,3.7)	LM/SC	5	

	Date/Time	File Name	Sample ID	Misc Info	Operator	Vial	Comment
1	3/22/07 8:08	03220701.D	25ng TO-15 CCV STD	S15-03150704/S15-03070705	LM/SC	1	Passed
2	3/22/07 9:11	03220702.D	TO-15 Method Blank (1000ml)	S15-03150704	LM/SC	1	Passed
3	3/22/07 9:59	03220703.D	25ng TO-15 LCS STD	S15-03150704/S15-03070707	LM/SC	2	Passed
4	3/22/07 10:36	03220704.D	P2700754-010 (100ml)	[redacted]	LM/SC	12	
5	3/22/07 11:22	03220705.D	P2700754-015 (500ml)	[redacted]	LM/SC	3	
6	3/22/07 11:57	03220706.D	P2700754-016 (100ml)	[redacted]	LM/SC	4	
7	3/22/07 12:40	03220707.D	P2700778-001 (100ml)	[redacted]	LM/SC	5	Case file
8	3/22/07 13:19	03220708.D	P2700778-001 (100ml)	[redacted]	LM/SC	5	
9	3/22/07 13:56	03220709.D	P2700778-002 (100ml)	[redacted]	LM/SC	6	
10	3/22/07 14:32	03220710.D	P2700778-001 DUP (100ml)	[redacted]	LM/SC	5	Passed
11	3/22/07 15:14	03220711.D	P2700778-003 (0.30ml)	[redacted]	LM/SC	1	
12	3/22/07 15:50	03220712.D	P2700778-004 (100ml)	[redacted]	LM/SC	8	
13	3/22/07 16:26	03220713.D	P2700778-005 (100ml)	[redacted]	LM/SC	3	
14	3/22/07 17:03	03220714.D	P2700778-009 (1.0ml)	[redacted]	LM/SC	1	
15	3/22/07 17:44	03220715.D	P2700778-010 (0.30ml)	[redacted]	LM/SC	1	
16	3/22/07 18:56	03220716.D	P2700778-006 (75ml)	[redacted]	LM/SC	34	3/22/07
17	3/22/07 19:32	03220717.D	P2700778-007 (125ml)	[redacted]	LM/SC	5	
18	3/22/07 20:08	03220718.D	P2700778-008 (100ml)	[redacted]	LM/SC	6	
19	3/22/07 20:43	03220719.D	BLANK (300ml)	Rinse	LM/SC	1	
20	3/22/07 21:25	03220720.D	P2700629-001 (1000ml)	[redacted]	LM/SC	13	
21	3/22/07 22:05	03220721.D	P2700634-002 (1000ml)	[redacted]	LM/SC	14	
22	3/22/07 22:46	03220722.D	P2700634-001 (1000ml)	[redacted]	LM/SC	15	
23	3/22/07 23:22	03220723.D	P2700634-001 (100ml) Dil	[redacted]	LM/SC	15	
24	3/22/07 23:57	03220724.D	P2700736-001 (25ml)	[redacted]	LM/SC	16	
25	3/23/07 0:34	03220725.D	BLANK (200ml)	Rinse	LM/SC	1	

1	3/23/07 8:47	03230701.D	25ng TO-15 CCV STD	S15-03150704/S15-03070705	LM/SC	1	Passed
2	3/23/07 9:44	03230702.D	TO-15 Method Blank (1000ml)	S15-03150704	LM/SC	3	Passed
3	3/23/07 10:35	03230703.D	1ng TO-15 CCV STD	S15-03150704/S15-03070703	LM/SC	3	Passed
4	3/23/07 11:18	03230704.D	25ng TO-15 LCS STD	S15-03150704/S15-03070707	LM/SC	2	Passed
5	3/23/07 11:57	03230705.D	25ng TO-15 LCSD STD	S15-03150704/S15-03070707	LM/SC	2	Passed
6	3/23/07 12:38	03230706.D	P2700710-001 (1000ml)	TRC WDI-VW-39-S-3-12-07 (-0.6,3.5)	LM/SC	4	
7	3/23/07 13:27	03230707.D	P2700710-001 DUP (1000ml)	TRC WDI-VW-39-S-3-12-07 (-0.6,3.5)	LM/SC	4	Passed
8	3/23/07 14:19	03230708.D	P2700710-002 (1000ml)	TRC WDI-VW-39-D-3-12-07 (-3.1,3.5)	LM/SC	5	
9	3/23/07 15:06	03230709.D	P2700710-009 (50ml)	TRC WDI-VW-36-D-3-13-07 (-3.1,3.9)	LM/SC	12	
10	3/23/07 15:50	03230710.D	P2700710-008 (1000ml)	TRC WDI-VW-36-S-3-13-07 (-3.6,3.6)	LM/SC	11	
11	3/23/07 16:26	03230711.D	P2700710-008 Dil (100ml)	TRC WDI-VW-36-S-3-13-07 (-3.6,3.6)	LM/SC	11	
12	3/23/07 17:08	03230712.D	P2700710-009 (500ml)	TRC WDI-VW-36-D-3-13-07 (-3.1,3.6)	LM/SC	12	
13	3/23/07 17:49	03230713.D	P2700710-011 (40ml)	TRC WDI-VW-35-D-3-13-07 (-3.5,3.7)	LM/SC	13	
14	3/23/07 18:46	03230714.D	P2700710-003 (1000ml)	TRC WDI-VW-38-S-3-12-07 (-2.9,3.9)	LM/SC	6	
15	3/23/07 19:27	03230715.D	P2700710-004 (1000ml)	TRC WDI-VW-38-D-3-12-07 (-3.0,3.8)	LM/SC	7	
16	3/23/07 20:02	03230716.D	P2700710-006 (25ml) Dil	TRC WDI-VW-37-D-3-12-07 (-3.2,3.5)	LM/SC	9	
17	3/23/07 20:38	03230717.D	25ng TO-15 CCV STD	S15-03150704/S15-03070705	LM/SC	3	Passed

	Date/Time	File Name	Sample ID	Misc Info	Operator	Vial	Comment
18	3/23/07 21:19	03230718.D	TO-15 Method Blank (1000ml)	S15-03150704	LM/SC	3	Passed
19	3/23/07 21:54	03230719.D	1ng TO-15 CCV STD	S15-03150704/S15-03070703	LM/SC	3	Passed
20	3/23/07 22:29	03230720.D	25ng TO-15 LCS STD	S15-03150704/S15-03070707	LM/SC	2	Passed
21	3/23/07 23:05	03230721.D	25ng TO-15 LCSD STD	S15-03150704/S15-03070707	LM/SC	2	Passed
22	3/23/07 23:46	03230722.D	P2700710-005 (1000ml)	TRC WDI-VW-37-S-3-12-07 (-3.7,3.5)	LM/SC	8	
23	3/24/07 0:30	03230723.D	P2700710-005 DUP (1000ml)	TRC WDI-VW-37-S-3-12-07 (-3.7,3.5)	LM/SC	8	Passed
24	3/24/07 1:11	03230724.D	P2700710-007 (1000ml)	TRC WDI-VW-37-S-3-12-07-SC (-3.4,3.8)	LM/SC	10	
25	3/24/07 1:47	03230725.D	P2700710-010 (100ml)	TRC WDI-VW-35-S-3-13-07 (-3.2,3.7)	LM/SC	13	
26	3/24/07 2:22	03230726.D	P2700710-012 (100ml)	TRC WDI-VW-34-S-3-13-07 (-3.2,3.7)	LM/SC	15	
27	3/24/07 2:58	03230727.D	P2700710-013 (500ml)	TRC WDI-VW-34-I-3-13-07 (-3.9,3.6)	LM/SC	16	Case file
28	3/24/07 3:34	03230728.D	P2700710-014 (500ml)	TRC WDI-VW-34-D-3-13-07 (-3.4,3.5)	LM/SC	4	Case file
29	3/24/07 4:14	03230729.D	P2700710-015 (1000ml)	TRC WDI-VW-34-D-3-13-07-SC (-3.2,3.6)	LM/SC	5	
30	3/24/07 4:50	03230730.D	25ng TO-15 CCV STD	S15-03150704/S15-03070705	LM/SC	3	Passed

1	3/24/07 7:50	03240701.D	25ng TO-15 CCV STD	S15-03150704/S15-03070705	LM/SC	1	Passed
2	3/24/07 8:53	03240702.D	TO-15Method Blank (1000ml)	S15-03150704	LM/SC	3	Passed
3	3/24/07 9:35	03240703.D	1ng TO-15 CCV STD	S15-03150704/S15-03070703	LM/SC	1	Passed
4	3/24/07 10:40	03240704.D	25ng TO-15 LCS STD	S15-03150704/S15-03070707	LM/SC	2	Passed
5	3/24/07 11:17	03240705.D	25ng TO-15 LCSD STD	S15-03150704/S15-03070707	LM/SC	2	Passed
6	3/24/07 11:52	03240706.D	P2700710-010 (200ml)	TRC WDI-VW-35-S-3-13-07 (-3.2,3.7)	LM/SC	13	
7	3/24/07 12:28	03240707.D	P2700710-010 DUP (200ml)	TRC WDI-VW-35-S-3-13-07 (-3.2,3.7)	LM/SC	13	Passed Case file extra
8	3/24/07 13:04	03240708.D	P2700710-010 DUP (200ml)	TRC WDI-VW-35-S-3-13-07 (-3.2,3.7)	LM/SC	13	Case file
9	3/24/07 13:40	03240709.D	P2700710-007 DIL (100ml)	TRC WDI-VW-37-D-3-12-07-SC (-3.4,3.8)	LM/SC	10	
10	3/24/07 14:20	03240710.D	P2700710-012 (1000ml)	TRC WDI-VW-34-S-3-13-07(-3.2,3.7)	LM/SC	15	
11	3/24/07 15:03	03240711.D	P2700710-013 (1000ml)	TRC WDI-VW-34-I-3-13-07 (-3.9,3.6)	LM/SC	16	
12	3/24/07 15:45	03240712.D	P2700710-014 (1000ml)	TRC WDI-VW-34-D-3-13-07 (-3.4,3.5)	LM/SC	4	
13	3/24/07 16:26	03240713.D	P2700710-006 (1000ml)	TRC WDI-VW-37-D-3-12-07 (-3.2,3.5)	LM/SC	9	
14	3/24/07 17:01	03240714.D	25ng TO-15 CCV STD	S15-03150704/S15-03070704 (closing CCV)	LM/SC	1	
15	3/24/07 17:42	03240715.D	P2700642-001 (1000ml)	[redacted]	LM/SC	6	
16	3/24/07 18:22	03240716.D	P2700642-002 (1000ml)	[redacted]	LM/SC	7	
17	3/24/07 19:03	03240717.D	P2700643-001 (1000ml)	[redacted]	LM/SC	11	
18	3/24/07 19:38	03240718.D	P2700643-001 dil (100ml)	[redacted]	LM/SC	11	Case file
19	3/24/07 20:19	03240719.D	CAS CAN QC2 3/23/07 (1000ml)	AC00950	LM/SC	8	Passed
20	3/24/07 21:00	03240720.D	CAS CAN QC1 3/23/07 (1000ml)	AC01137	LM/SC	14	Passed

Columbia Analytical Services, Inc.
Sample Acceptance Check Form

Client: TRC Work order: P2700710
Project: WDI
Sample(s) received on: 3/14/07 Date opened: 3/14/07 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
P2700710-001			NA	
P2700710-002			NA	
P2700710-003			NA	
P2700710-004			NA	
P2700710-005			NA	
P2700710-006			NA	
P2700710-007			NA	
P2700710-008			NA	
P2700710-009			NA	
P2700710-010			NA	

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

Columbia Analytical Services, Inc.
Sample Acceptance Check Form

Client: TRC Work order: P2700710

Project: WDI

Sample(s) received on: 3/14/07 Date opened: 3/14/07 by: MZ

Lab Sample ID	Required pH (as received, if required)	pH (as received, if required)	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P2700710-011			NA	
P2700710-012			NA	
P2700710-013			NA	
P2700710-014			NA	
P2700710-015			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. P2700710

CAS Contact

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

Project Name: WOI

Project Number:

Project Manager: ANAND HELEKAR

P.O. # / Billing Information:

Phone: (949) 727-9336 Fax: (949) 727-7399

Email Address for Result Reporting: AHELEKAR@TRCSOLUTIONS.COM

Sampler (Print & Sign): STEVEN CRAWFORD Steven Crawford

Analysis Method and/or Analytes

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Sample Type (Air/Tube/Solid)	Canister ID (Bar Code # - AC, SC, etc.)	Flow Controller (Bar Code - FC #)	Sample Volume	TO-15	EPA 25C MODIFIED (TOTAL NON METHANE ORGANIC CARBON)	EPA 3C MODIFIED (METHANE)		Comments e.g. Actual Preservative or specific instructions
WOI-VW-39-S-3-12-07	1-1.2	3-12-07	1038	AIR	SC00846	6V-.5-028	6L	X	X	X		
WOI-VW-39-D-3-12-07	2-6.3	3-12-07	1038	AIR	SC00747	6V-.5-024	6L	X	X	X		
WOI-VW-38-S-3-12-07	3-6.0	3-12-07	1145	AIR	SC00160	6V-.5-024	6L	X	X	X		
WOI-VW-38-D-3-12-07	4-6.2	3-12-07	1145	AIR	SC00147	6V-.5-028	6L	X	X	X		
WOI-VW-37-S-3-12-07	5-7.6	3-12-07	1324	AIR	AC00112	6V-.5-013	6L	X	X	X		
WOI-VW-37-D-3-12-07	6-6.5	3-12-07	1324	AIR	SC00620	6V-.5-024	6L	X	X	X		
WOI-VW-37-D-3-12-07-SC	7-6.9	3-12-07	1324	AIR	AC00865	6V-.5-028	6L	X	X	X		
WOI-VW-36-S-3-13-07	8-7.3	3-13-07	1148	AIR	SC00235	6V-.5-028	6L	X	X	X		
WOI-VW-36-D-3-13-07	9-6.3	3-13-07	1148	AIR	SC00190	6V-.5-024	6L	X	X	X		
WOI-VW-35-S-3-13-07	10-6.6	3-13-07	1038	AIR	SC00241	6V-.5-024	6L	X	X	X		
WOI-VW-35-D-3-13-07	11-7.1	3-13-07	1038	AIR	SC00632	6V-.5-028	6L	X	X	X		
WOI-VW-34-S-3-13-07	12-6.5	3-13-07	1350	AIR	SC00897	6V.5-008	6L	X	X	X		
WOI-VW-34-I-3-13-07	13-7.9	3-13-07	1350	AIR	SC00326	6V-.5-028	6L	X	X	X		
WOI-VW-34-D-3-13-07	14-6.9	3-13-07	1350	AIR	SC00772	6V-.5-013	6L	X	X	X		
WOI-VW-34-D-3-13-07-SC	15-6.6	3-13-07	1350	AIR	SC00229	6V-.5-024	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	3/14/07	1230	[illegible]	3/14/07	1230
[illegible]	3/14/07	1850	[illegible]	3/14/07	1850
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank
Temperature _____ °C 1098