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 13, 2007

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

RE: P2700726
WDI

Dear Mr. Helekar:

Enclosed are the results of the sample(s) submitted to our laboratory on March 16, 2007. For your reference, these analyses have been assigned our service request number P2700726.

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 121 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:	04/13/07
Address:	21 Technology Drive	Date Received:	03/16/07
	Irvine, CA 92618	CAS Project No:	P2700710
Contact:	Mr. Anand Helekar	Purchase Order:	IRV-804336

Client Project ID: WDI

Fourteen (14) Stainless Steel Summa Canisters labeled:

"WDI-VW-55-S-3-14-07"	"WDI-VW-55-I-3-14-07"	"WDI-VW-55-I-3-14-07-SC"	"WDI-VW-55-D-3-14-07"
"WDI-VW-56-S-3-14-07"	"WDI-VW-56-I-3-14-07"	"WDI-VW-56-D-3-14-07"	"WDI-VW-58-S-3-14-07"
"WDI-VW-58-I-3-14-07"	"WDI-VW-58-D-3-14-07"	"WDI-VW-62-S-3-15-07"	"WDI-VW-62-S-3-15-07-SC"
"WDI-VW-62-I-3-15-07"	"WDI-VW-62-D-3-15-07"		

The samples were received at the laboratory under chain of custody on March 16, 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.

The percent difference for total gaseous non-methane organics was outside the continuing calibration verification (CCV) client specified requirements. The method reporting limit (MRL) was not affected because the CCV response factor was biased high.

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: P2700726

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 percent difference CCV report includes both positive and negative percent difference calculations, where positive percent differences correspond to biased low results and negative percent differences to biased high results.

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-55-S-3-14-07**
Client Project ID: **WDI**

CAS Project ID: P2700726
CAS Sample ID: P2700726-001

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00363

Date Collected: 3/14/07
Date Received: 3/16/07
Date Analyzed: 3/26/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.1 Pf 1 = 4.0
D.F. = 1.61

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**250**	1.6	**V**

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.
V = The continuing calibration verification standard was outside (biased high) the client specified limits for this compound.

Verified By: RL Date: 4/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: WDI-VW-55-I-3-14-07
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-002

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00901

Date Collected: 3/14/07
Date Received: 3/16/07
Date Analyzed: 3/26/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.5 Pf 1 = 3.5
D.F. = 1.63

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**200**	0.82	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**9.3**	1.6	V

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.
V = The continuing calibration verification standard was outside (biased high) the client specified limits for this compound.

Verified By: R. Date: 4/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-55-I-3-14-07**
Client Project ID: **WDI**

CAS Project ID: P2700726
CAS Sample ID: P2700726-002DUP

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00901

Date Collected: 3/14/07
Date Received: 3/16/07
Date Analyzed: 3/26/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.5 Pf 1 = 3.5
D.F. = 1.63

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**190**	0.82	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**9.8**	1.6	**V**

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.
V = The continuing calibration verification standard was outside (biased high) the client specified limits for this compound.

Verified By: R. Date: 4/12/07

00726SVG.SC1 -Dup (2)

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-55-I-3-14-07-SC**
Client Project ID: **WDI**

CAS Project ID: P2700726
CAS Sample ID: P2700726-003

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00770

Date Collected: 3/14/07
Date Received: 3/16/07
Date Analyzed: 3/26/07
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	**190**	0.79	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**10**	1.6	**V**

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.
V = The continuing calibration verification standard was outside (biased high) the client specified limits for this compound.

Verified By: RC Date: 4/12/07

00726SVG.SC1 -Sample (3)

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-55-D-3-14-07**
Client Project ID: **WDI**

CAS Project ID: P2700726
CAS Sample ID: P2700726-004

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00527

Date Collected: 3/14/07
Date Received: 3/16/07
Date Analyzed: 3/26/07
Volume(s) Analyzed: 0.50 ml

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

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**10**	1.5	V

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.
V = The continuing calibration verification standard was outside (biased high) the client specified limits for this compound.

Verified By: R. Date: 4/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-56-S-3-14-07**
Client Project ID: **WDI**

CAS Project ID: P2700726
CAS Sample ID: P2700726-005

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00252

Date Collected: 3/14/07
Date Received: 3/16/07
Date Analyzed: 3/26/07
Volume(s) Analyzed: 0.50 ml

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

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	3.7	0.76	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	8.4	1.5	V

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.
V = The continuing calibration verification standard was outside (biased high) the client specified limits for this compound.

Verified By: Rcr Date: 4/12/07

00726SVG.SC1 -Sample (5)

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-56-I-3-14-07**
Client Project ID: **WDI**

CAS Project ID: P2700726
CAS Sample ID: P2700726-006

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00240

Date Collected: 3/14/07
Date Received: 3/16/07
Date Analyzed: 3/26/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.3 Pf 1 = 3.6
D.F. = 1.61

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	3.7	0.81	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	9.7	1.6	V

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.
V = The continuing calibration verification standard was outside (biased high) the client specified limits for this compound.

Verified By: RG Date: 4/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: WDI-VW-56-D-3-14-07
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-007

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00280

Date Collected: 3/14/07
Date Received: 3/16/07
Date Analyzed: 3/26/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -2.7 Pf 1 = 4.0
D.F. = 1.56

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	16	0.78	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	10	1.6	V

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.
V = The continuing calibration verification standard was outside (biased high) the client specified limits for this compound.

Verified By: R.. Date: 4/12/07

00726SVG.SC1 -Sample (7)

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: WDI-VW-58-S-3-14-07
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-008

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00146

Date Collected: 3/14/07
Date Received: 3/16/07
Date Analyzed: 3/26/07
Volume(s) Analyzed: 0.50 ml

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

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**0.80**	0.75	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**3.1**	1.5	V

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.
V = The continuing calibration verification standard was outside (biased high) the client specified limits for this compound.

Verified By: R.C. Date: 4/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: WDI-VW-58-I-3-14-07
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-009

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00345

Date Collected: 3/14/07
Date Received: 3/16/07
Date Analyzed: 3/26/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -2.1 Pf 1 = 3.5
D.F. = 1.44

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**0.91**	0.72	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**5.7**	1.4	V

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.
V = The continuing calibration verification standard was outside (biased high) the client specified limits for this compound.

Verified By: RC Date: 4/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: WDI-VW-58-D-3-14-07
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-010

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00057

Date Collected: 3/14/07
Date Received: 3/16/07
Date Analyzed: 3/26/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -2.8 Pf 1 = 3.7
D.F. = 1.55

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**2.3**	0.78	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**1.7**	1.6	V

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.
V = The continuing calibration verification standard was outside (biased high) the client specified limits for this compound.

Verified By: R.. Date: 4/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: WDI-VW-62-S-3-15-07
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-011

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00643

Date Collected: 3/15/07
Date Received: 3/16/07
Date Analyzed: 3/26/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -2.1 Pf 1 = 3.5
D.F. = 1.44

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**130**	1.4	**V**

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.
V = The continuing calibration verification standard was outside (biased high) the client specified limits for this compound.

Verified By: RG Date: 4/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: WDI-VW-62-S-3-15-07-SC
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-012

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00080

Date Collected: 3/15/07
Date Received: 3/16/07
Date Analyzed: 3/26/07
Volume(s) Analyzed: 0.50 ml

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

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**130**	1.5	V

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.
V = The continuing calibration verification standard was outside (biased high) the client specified limits for this compound.

Verified By: Rc Date: 4/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: WDI-VW-62-I-3-15-07
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-013

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00862

Date Collected: 3/15/07
Date Received: 3/16/07
Date Analyzed: 3/26/07
Volume(s) Analyzed: 0.50 ml

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

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	7.5	0.74	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	7.2	1.5	V

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.
V = The continuing calibration verification standard was outside (biased high) the client specified limits for this compound.

Verified By: RG Date: 4/12/07

00726SVG.SC1 -Sample (13)

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: WDI-VW-62-D-3-15-07
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-014

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00678

Date Collected: 3/15/07
Date Received: 3/16/07
Date Analyzed: 3/26/07
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	**1.4**	0.77	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**6.5**	1.5	V

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.
V = The continuing calibration verification standard was outside (biased high) the client specified limits for this compound.

Verified By: RG Date: 4/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2700726
CAS Sample ID: P070326-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: 3/26/07
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: Rc Date: 4/2/07 RC

00726SVG.SC1 -MBlank

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2700726
CAS Sample ID: P070326-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: 3/26/07
Volume(s) Analyzed: NA

Compound	Spike Amount LCS ppmV	Result LCS ppmV	% Recovery LCS	CAS Acceptance Limits	Data Qualifier
Methane	57.5	59.4	103	90-110	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	345	354	103	90-110	

Verified By: R.C. Date: 4/2/07

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	6.583	5.923	6.159	6.535	6.429	6.417 E3	5

10/23/06

(#) = Out of Range

Compound #2: Methane (Page 3)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	0.550	3651			
2	4.034	24705			
3	11.006	69850			
4	80.680	504760			
5	2751.710	17070304			
6	20170.000	124856778			

	Integration Parameter File	Sum?	
Tgt			
		☐	
		☐	
		☐	

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

Compound #4: TGNM0.1 (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			0.0%
		☐	0.000
		☐	
		☐	

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

Compound #5: TGM40-2 (Page 3)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	0.819	5547			
2	6.000	40100			
3	16.371	56872			
4	120.000	739069			
5	4072.300	26614390			
6	29850.000	191892442			

	Integration Parameter File:	Sum?
Tgt		
		☐
		☐
		☐

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PERFORMANCE ANALYTICAL INC.

ZW 3/26/07

EPA 25C TCA/FID Analysis for TGNMO

Client & PAI Job# : TRC P2700726
Analyst : ZW
Sample amount : 500uL / 68uL

Printed : 3/26/07
Instrument : GC #1 / FID #1
Date analyzed : 3/26/07

Sample Results (ppm)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide	TGNMO-1	TGNMO-2	Pi1	Pf1	Pi2	Pf2
STD 100ppm S14-122806	97.8	76.8	101.6	107.7					
ACTUAL	100.1	80.1	100.7	101.2					
% DIFF.	2.3%	4.1%	0.9%	6.4%					
MB NL	0.00	0.00	0.00	0.00	0.00				
LAB AIR NL	1.53	1.93	467.91	0.00	0.00				
0726-001 vv	1.08	v	v	153.98	0.00	-3.1	4.0		
0726-002 v	0.73	120.47	v	5.72	0.00	-3.5	3.5		
0726-003 v	0.80	121.06	v	6.32	0.00	-3.2	3.5		
0726-004 v	0.38	1613.51	v	6.73	0.00	-2.7	3.5		
0726-005 v	0.84	2.44	v	5.53	0.00	-2.7	3.5		
0726-006 v	1.34	2.32	v	6.06	0.00	-3.3	3.6		
0726-007 v	1.13	10.22	v	6.70	0.00	-2.7	4.0		
0726-008 v	0.49	0.53	v	2.05	0.00	-2.5	3.5		
0726-009 v	0.54	0.63	v	3.96	0.00	-2.1	3.5		
0726-010 v	16.61	1.51	v	1.12	0.00	-2.8	3.7		
0726-011 vv	1.27	v	v	89.29	0.00	-2.1	3.5		
0726-012 vv	1.23	v	v	87.01	0.00	-2.7	3.5		
0726-013 v	1.27	5.13	v	4.92	0.00	-2.3	3.5		
0726-014 v	1.16	0.92	v	4.23	0.00	-2.9	3.5		
STD 100ppm S14-122806	98.93	78.27	134.54	110.15	0.00				
ACTUAL	100.1	80.1	100.7	101.2					
% DIFF.	1.2%	2.3%	33.6%	8.8%					
0726-002 v dup	1.08	116.82	0.00	6.00	0.00	-3.5	3.5		
LCS 345ppm S14-040506	62.23	59.42	61.56	353.75					
ACTUAL	57.9	57.5	57.9	345.0					
% Recovery	107.5%	103.3%	106.4%	102.5%					
STD 100ppm S14-122806	101.89	80.68		111.77					
ACTUAL	100.1	80.1	100.7	101.2					
% DIFF.	1.8%	0.7%	100.0%	10.4%					

Completed Sample Results ppm

Loop ratio=7.33

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide	TOTAL TGNMO	TOTAL TGNMO as Hexane	BAG DF	LOOP DF	PiPf DF
RL ppm *	5.0	0.5	5.0	1.0	0.17			
MDL ppm	0.10	0.19	1.80	0.48	0.08			
MB NL	ND	ND	ND	ND	ND	1.00	1.00	1.00
LAB AIR NL	1.53	1.93	467.91	ND	ND	1.00	1.00	1.00
0726-001 vv	ND	VENT	VENT	248.23	41.37	1.00	1.00	1.61
0726-002 v	ND	195.77	VENT	9.29	1.55	1.00	1.00	1.63
0726-003 v	ND	191.58	VENT	9.99	1.67	1.00	1.00	1.56
0726-004 v	ND	~~2447.16~~	VENT	10.21	1.70	1.00	1.00	1.52
0726-005 v	ND	3.70	VENT	8.39	1.40	1.00	1.00	1.52
0726-006 v	ND	3.72	VENT	9.73	1.62	1.00	1.00	1.61
0726-007 v	ND	15.93	VENT	10.44	1.74	1.00	1.00	1.56
0726-008 v	ND	0.80	VENT	3.06	0.51	1.00	1.00	1.49
0726-009 v	ND	0.91	VENT	5.71	0.95	1.00	1.00	1.44
0726-010 v	25.69	2.33	VENT	1.72	0.29	1.00	1.00	1.55
0726-011 vv	ND	VENT	VENT	128.98	21.50	1.00	1.00	1.44
0726-012 vv	ND	VENT	VENT	131.96	21.99	1.00	1.00	1.52
0726-013 v	ND	7.54	VENT	7.23	1.20	1.00	1.00	1.47
0726-014 v	ND	1.42	VENT	6.53	1.09	1.00	1.00	1.54
0726-002 v dup	ND	189.82	ND	9.75	1.63	1.00	1.00	1.63

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Injection Log

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

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

[illegible] 10/23/06

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

DATE: 3 / 26 / 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\25C\2007-03\26\ METHOD FILE NAME: J:\GC1\METHODS_____.M

	DATA FILE HEADER INFO		CLIENT	ANALYST
01	Std 100 ppm 514-12280601			zw
02	MB			
03	Lab Air			
04	LCS 345 ppm 514-04050602			
05	LCSD			
06	0726-001	VV	TRC	
07	-001	↓	dup	
08	-002	V		
09	-002		dup	
10	-003			
11	-004			
12	-005			
13	-006			
14	-007			
15	Std 100 ppm 514-12280601			
16	0726-008	V	TRC	
17	-009			
18	-010			
19	-011	VV		
20	-012			

	DATA FILE HEADER INFO		CLIENT	ANALYST
21	0726-013	V	TRC	zw
22	-014			
23	-013			
24	0782-001	V	TRC	
25	Wait			
26	Std 100 ppm 514-12280602			
27				
28				
29				
30			zw	
31			3/27/07	
32				
33				
34				
35				
36				
37				
38				
39				
40				

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COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : TRC
Client Sample ID: WDI-VW-55-S-3-14-07
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-001

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00363

Date Collected: 3/14/07
Date Received: 3/16/07
Date Analyzed: 3/26/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.1 Pf 1 = 4.0

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 *	1.27	0.16	
7727-37-9	Nitrogen	87.4	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
74-82-8	Methane	3.88	0.16	
124-38-9	Carbon Dioxide	7.49	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: RC Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-55-I-3-14-07**
Client Project ID: **WDI**

CAS Project ID: P2700726
CAS Sample ID: P2700726-002

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00901

Date Collected: 3/14/07
Date Received: 3/16/07
Date Analyzed: 3/26/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.5 Pf 1 = 3.5

D.F. = 1.63

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 *	**1.72**	0.16	
7727-37-9	Nitrogen	**81.3**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**16.9**	0.16	

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

Verified By: RL Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : TRC
Client Sample ID: WDI-VW-55-I-3-14-07
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-002DUP

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00901

Date Collected: 3/14/07
Date Received: 3/16/07
Date Analyzed: 3/26/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.5 Pf 1 = 3.5

D.F. = 1.63

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 *	**1.66**	0.16	
7727-37-9	Nitrogen	**81.4**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
74-82-8	Methane	ND	0.16	
124-38-9	Carbon Dioxide	**16.9**	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: RCC Date: 4/2/07

00726SVG.SC2 - Dup (2)

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-55-I-3-14-07-SC**
Client Project ID: **WDI**

CAS Project ID: P2700726
CAS Sample ID: P2700726-003

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00770

Date Collected: 3/14/07
Date Received: 3/16/07
Date Analyzed: 3/26/07
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 *	**1.80**	0.16	
7727-37-9	Nitrogen	**81.3**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**16.9**	0.16	

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

Verified By: RG Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-55-D-3-14-07**
Client Project ID: **WDI**

CAS Project ID: P2700726
CAS Sample ID: P2700726-004

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00527

Date Collected: 3/14/07
Date Received: 3/16/07
Date Analyzed: 3/26/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -2.7 Pf 1 = 3.5

D.F. = 1.52

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.15	
7782-44-7 7440-37-1	Oxygen + Argon *	**1.11**	0.15	
7727-37-9	Nitrogen	**80.8**	0.15	
630-08-0	Carbon Monoxide	ND	0.15	
74-82-8	Methane	**0.233**	0.15	
124-38-9	Carbon Dioxide	**17.8**	0.15	

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

Verified By: RG Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-56-S-3-14-07**
Client Project ID: **WDI**

CAS Project ID: P2700726
CAS Sample ID: P2700726-005

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00252

Date Collected: 3/14/07
Date Received: 3/16/07
Date Analyzed: 3/26/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -2.7 Pf 1 = 3.5

D.F. = 1.52

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.15	
7782-44-7 7440-37-1	Oxygen + Argon *	**3.92**	0.15	
7727-37-9	Nitrogen	**84.7**	0.15	
630-08-0	Carbon Monoxide	ND	0.15	
124-38-9	Carbon Dioxide	**11.4**	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: Rer Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-56-I-3-14-07**
Client Project ID: **WDI**

CAS Project ID: P2700726
CAS Sample ID: P2700726-006

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00240

Date Collected: 3/14/07
Date Received: 3/16/07
Date Analyzed: 3/26/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.3 Pf 1 = 3.6

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 *	**3.20**	0.16	
7727-37-9	Nitrogen	**81.0**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**15.8**	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: RLr Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-56-D-3-14-07**
Client Project ID: **WDI**

CAS Project ID: P2700726
CAS Sample ID: P2700726-007

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00280

Date Collected: 3/14/07
Date Received: 3/16/07
Date Analyzed: 3/26/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -2.7 Pf 1 = 4.0
D.F. = 1.56

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 *	**3.86**	0.16	
7727-37-9	Nitrogen	**80.5**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**15.6**	0.16	

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

Verified By: RL Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : TRC
Client Sample ID: WDI-VW-58-S-3-14-07
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-008

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00146

Date Collected: 3/14/07
Date Received: 3/16/07
Date Analyzed: 3/26/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -2.5 Pf 1 = 3.5

D.F. = 1.49

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.15	
7782-44-7 7440-37-1	Oxygen + Argon *	**13.7**	0.15	
7727-37-9	Nitrogen	**81.8**	0.15	
630-08-0	Carbon Monoxide	ND	0.15	
124-38-9	Carbon Dioxide	**4.44**	0.15	

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

Verified By: RG Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-58-I-3-14-07**
Client Project ID: **WDI**

CAS Project ID: P2700726
CAS Sample ID: P2700726-009

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00345

Date Collected: 3/14/07
Date Received: 3/16/07
Date Analyzed: 3/26/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -2.1 Pf 1 = 3.5

D.F. = 1.44

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.14	
7782-44-7 7440-37-1	Oxygen + Argon *	**7.54**	0.14	
7727-37-9	Nitrogen	**80.4**	0.14	
630-08-0	Carbon Monoxide	ND	0.14	
124-38-9	Carbon Dioxide	**12.1**	0.14	

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

Verified By: R.C. Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : TRC
Client Sample ID: WDI-VW-58-D-3-14-07
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-010

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00057

Date Collected: 3/14/07
Date Received: 3/16/07
Date Analyzed: 3/26/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -2.8 Pf 1 = 3.7

D.F. = 1.55

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 *	**20.9**	0.15	
7727-37-9	Nitrogen	**78.1**	0.15	
630-08-0	Carbon Monoxide	ND	0.15	
124-38-9	Carbon Dioxide	**1.07**	0.15	

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

Verified By: R.c. Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-62-S-3-15-07**
Client Project ID: **WDI**

CAS Project ID: P2700726
CAS Sample ID: P2700726-011

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00643

Date Collected: 3/15/07
Date Received: 3/16/07
Date Analyzed: 3/26/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -2.1 Pf 1 = 3.5

D.F. = 1.44

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.14	
7782-44-7 7440-37-1	Oxygen + Argon *	**2.17**	0.14	
7727-37-9	Nitrogen	**83.6**	0.14	
630-08-0	Carbon Monoxide	ND	0.14	
74-82-8	Methane	**2.94**	0.14	
124-38-9	Carbon Dioxide	**11.3**	0.14	

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

Verified By: R.C. Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-62-S-3-15-07-SC**
Client Project ID: **WDI**

CAS Project ID: P2700726
CAS Sample ID: P2700726-012

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00080

Date Collected: 3/15/07
Date Received: 3/16/07
Date Analyzed: 3/26/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -2.7 Pf 1 = 3.5

D.F. = 1.52

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.15	
7782-44-7 7440-37-1	Oxygen + Argon *	**2.12**	0.15	
7727-37-9	Nitrogen	**83.6**	0.15	
630-08-0	Carbon Monoxide	ND	0.15	
74-82-8	Methane	**2.95**	0.15	
124-38-9	Carbon Dioxide	**11.4**	0.15	

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

Verified By: R.C. Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : TRC
Client Sample ID: WDI-VW-62-I-3-15-07
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-013

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00862

Date Collected: 3/15/07
Date Received: 3/16/07
Date Analyzed: 3/26/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -2.3 Pf 1 = 3.5

D.F. = 1.47

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.15	
7782-44-7 7440-37-1	Oxygen + Argon *	**2.76**	0.15	
7727-37-9	Nitrogen	**82.6**	0.15	
630-08-0	Carbon Monoxide	ND	0.15	
124-38-9	Carbon Dioxide	**14.6**	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: Rw Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-62-D-3-15-07**
Client Project ID: **WDI**

CAS Project ID: P2700726
CAS Sample ID: P2700726-014

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Zheng Wang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00678

Date Collected: 3/15/07
Date Received: 3/16/07
Date Analyzed: 3/26/07
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 *	**1.56**	0.15	
7727-37-9	Nitrogen	**82.7**	0.15	
630-08-0	Carbon Monoxide	ND	0.15	
124-38-9	Carbon Dioxide	**15.7**	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: Pu Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2700726
CAS Sample ID: P070326-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: 3/26/07
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	
74-82-8	Methane	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: Ro Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2700726
CAS Sample ID: P070326-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: 3/26/07
Volume(s) Analyzed: NA

Compound	Spike Amount LCS ppmV	Result LCS ppmV	**% Recovery LCS**	CAS Acceptance Limits
Hydrogen	40,100	37,800	**94**	90-110
Oxygen + Argon *	50,000	52,200	**104**	90-110
Nitrogen	50,500	53,400	**106**	90-110
Carbon Monoxide	50,100	51,800	**103**	90-110
Methane	40,100	42,800	**107**	90-110
Carbon Dioxide	50,400	52,500	**104**	90-110

Verified By: R. Date: 4/4/07

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

W 8/22/06

) = Out of Range

Compound #1: Hydrogen (Page 3)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	34.255	232			
2	697.000	5638			
3	4100.000	36325			
4	42927.000	432280			
5	73800.000	733283			

	Integration Parameter File	Sum?	
Igt			6.00
			0.000

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Compound = 2: Oxygen (Page 1)

LvlID	Conc	Response	LvlID	Conc	Response
1	43.017	572			
2	841.500	10038			
3	4950.000	63907			
4	51826.500	655569			
5	83100.000	1038947			

	Integration Parameter File	Sum?
Tgt		

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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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		☐	
		☐	

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Compound = 4 Carbon Monoxide (Page 1)

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

	Integration Parameter File	Sum?
Tgt		
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		☐
		☐

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Compound #5: Methane (Page 2)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	34.425	353			
2	505.780	6032			
3	4034.000	42792			
4	42238.980	438858			
5	72612.000	706850			

	Integration Parameter File	Sum?
Tgt		
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		☐
		☐

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Compound #6: Carbon Dioxide (Page 3)

LvlID	Conc	Response	LvlID	Conc	Response
1	42.585	664			
2	847.450	12806			
3	4905.000	80434			
4	52192.950	830567			
5	89730.000	1344318			

	Integration Parameter File	Sum?
Tgt		
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		☐
		☐

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ZW 3/27/07

COLUMBIA ANALYTICAL INC.

EPA 3C GC/TCD Analysis for Fixed Gases

Client & PAI Job# : TRC P2700726
Analyst : ZW
Sample amount : ~100uL

Printed : 3/27/07
Instrument : GC #1 / TCD #1
Date analyzed : 3/26/07

Sample Result

Sample ID	Hydrogen	O2/Ar	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	Pi1	Pf1	Pi2	Pf2
STD-50000ppm	39079	51490	50605	52219	42215	52825				
ACTUAL	40100	49970	50540	50050	40050	50360				
% DIFFER.	2.5%	3.0%	0.1%	4.3%	5.4%	4.9%				
MB	0	0	0	0	0	0				
LAB AIR	0	221960	789647	0	0	552				
0726-001	0	9451	650620	0	28891	55764	-3.1	4.0		
0726-002	0	12664	599635	0	0	124760	-3.5	3.5		
0726-003	0	13459	608090	0	0	126751	-3.2	3.5		
0726-004	0	8893	645398	0	1861	142355	-2.7	3.5		
0726-005	0	31591	681716	0	0	91727	-2.7	3.5		
0726-006	0	23989	606118	0	0	118538	-3.3	3.6		
0726-007	0	30755	641279	0	0	124408	-2.7	4.0		
0726-008	0	113549	678042	0	0	36760	-2.5	3.5		
0726-009	0	64690	689319	0	0	103713	-2.1	3.5		
0726-010	0	166565	623446	0	0	8541	-2.8	3.7		
0726-011	0	18402	710339	0	24959	95938	-2.1	3.5		
0726-012	0	17072	674124	0	23838	91636	-2.7	3.5		
0726-013	0	22986	688557	0	0	122122	-2.3	3.5		
0726-014	0	12418	656847	0	0	124835	-2.9	3.5		
LCS 50000ppm S14-12	37837	52203	53426	51799	42798	52526				
ACTUAL	40100	49970	50540	50050	40050	50360				
% DIFFER.	5.6%	4.5%	5.7%	3.5%	6.9%	4.3%				
STD 50000ppm S14-12	39705	51550	50492	52489	42306	52757				
ACTUAL	40100	49970	50540	50050	40050	50360				
% DIFFER.	1.0%	3.2%	0.1%	4.9%	5.6%	4.8%				
0726-002 dup	0	12231	599013	0	0	124528	-3.5	3.5		
STD 50000ppm S14-04	39171	51537	50408	51684	42234	52794				
ACTUAL	40100	49970	50540	50050	40050	50360				
% DIFFER.	2.3%	3.1%	0.3%	3.3%	5.5%	4.8%				

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	221960	789647	0	0	552	101.2	1.00
0726-001	0	15236	1048845	0	46575	89895	120.1	1.61
0726-002	0	20579	974407	0	0	202735	119.8	1.63
0726-003	0	21300	962369	0	0	200598	118.4	1.58
0726-004	0	13487	978853	0	2823	215905	121.1	1.52
0726-005	0	47913	1033935	0	0	139120	122.1	1.52
0726-006	0	38509	972979	0	0	190284	120.2	1.61
0726-007	0	47926	999327	0	0	193869	124.1	1.56
0726-008	0	169393	1011505	0	0	54838	123.6	1.49
0726-009	0	93441	995683	0	0	149808	123.9	1.44
0726-010	0	257546	963984	0	0	13205	123.5	1.55
0726-011	0	26580	1026045	0	36052	138576	122.7	1.44
0726-012	0	25893	1022422	0	36154	138982	122.3	1.52
0726-013	0	33737	1010623	0	0	179244	122.4	1.47
0726-014	0	19154	1013103	0	0	192542	122.5	1.54
0726-002 dup	0	19876	973396	0	0	202357	119.6	1.63

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	39079	51490	50605	52219	42215	52825	
MB	ND	ND	ND	ND	ND	ND	
LAB AIR	ND	219271	780083	ND	ND	546	99.99
0726-001	ND	12689	873549	ND	38791	74871	99.99
0726-002	ND	17180	813470	ND	ND	169251	99.99
0726-003	ND	17984	812547	ND	ND	169369	99.99

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COLUMBIA ANALYTICAL INC.

EPA 3C GC/TCD Analysis for Fixed Gases

Client & PAI Job# : TRC P2700726
Analyst : ZW
Sample amount : ~100uL

Printed : 3/27/07
Instrument : GC #1 / TCD #1
Date analyzed : 3/26/07

0726-004	ND	11136	808175	ND	2331	178259	99.99
0726-005	ND	39237	846732	ND	ND	113931	99.99
0726-006	ND	32040	809540	ND	ND	158320	99.99
0726-007	ND	38611	805099	ND	ND	156189	99.99
0726-008	ND	137065	818463	ND	ND	44373	99.99
0726-009	ND	75413	803582	ND	ND	120905	99.99
0726-010	ND	208563	780643	ND	ND	10694	99.99
0726-011	ND	21656	835966	ND	29373	112905	99.99
0726-012	ND	21162	835604	ND	29548	113587	99.99
0726-013	ND	27569	825857	ND	ND	146474	99.99
0726-014	ND	15637	827076	ND	ND	157187	99.99
0726-002 dup	ND	16622	814047	ND	ND	169231	99.99

Injection Log

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

ine	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
	4	08210601.d	10.	Test		21 Aug 106 12::5
	4	08210602.d	10.	Test		21 Aug 106 13::5
	4	08210603.d	10.	MB		21 Aug 106 13::0
	4	08210604.d	10.	test		21 Aug 106 12::1
	4	08210605.d	10.	STD 1 S14-03260601 (loop 0.17)		21 Aug 106 12::3
	4	08210606.d	10.	STD 2 S14-04120602 (loop 0.17)		21 Aug 106 12::1
	5	08210607.d	10.	STD 3 S14-04120602 (loop 1.00)		21 Aug 106 12::3
	5	08210608.d	10.	STD 4 S14-04120602 (loop 10.47)		21 Aug 106 12::4
	5	08210609.d	10.	STD 5 S14-0~~6~~4120602 (loop 18.0)		21 Aug 106 12::5
0	5	08210610.d	10.	lab air	[illegible]	21 Aug 106 12::1
1	5	08210611.d	10.	icv		21 Aug 106 12::2
2	5	08210612.d	10.	ICV S14-07110501		21 Aug 106 12::5
3	5	08210613.d	10.	blank		21 Aug 106 12::1

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

DATE: 3 / 26 / 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\26\ METHOD FILE NAME: J:\GC1\METHODS_____.M

	DATA FILE HEADER INFO	CLIENT	ANALYST
01	Std 50000 ppm S14-12150702		ZW
02	MB		
03	Lab Air		
04	LCS 50000 ppm S14-12150701		
05	0726-001	TRC	
06	-002		
07	-002		
08	-003		
09	-004		
10	-005		
11	-006		
12	-007		
13	-008		
14	-009		
15	Std 50000 ppm		
16	0726-010	TRC	
17	-011		
18	-012		
19	-013		
20	-014		
21	0782-001	TRC	ZW
22	0763-001	[redacted]	
23	-002		
24	-003		
25	-004		
26	Std 50000 ppm S14-12150602		
27			
28			
29			
30		ZW	
31			
32		3/27/07	
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-55-S-3-14-07
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-001

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: SC00363

Date Collected: 3/14/07
Date Received: 3/16/07
Date(s) Analyzed: 3/26/07
Volume(s) Analyzed: 0.10 Liter(s)

Pi 1 = -3.1 Pf 1 = 4.0

Can D.F. = 1.61

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	16	ND	7.8	
75-01-4	Vinyl Chloride	ND	16	ND	6.3	
74-83-9	Bromomethane	ND	16	ND	4.1	
75-00-3	Chloroethane	ND	16	ND	6.1	
67-64-1	Acetone	ND	81	ND	34	
75-69-4	Trichlorofluoromethane	ND	16	ND	2.9	
75-35-4	1,1-Dichloroethene	ND	16	ND	4.1	
75-09-2	Methylene chloride	ND	16	ND	4.6	
76-13-1	Trichlorotrifluoroethane	ND	16	ND	2.1	
75-15-0	Carbon Disulfide	**31**	16	**10**	5.2	
156-60-5	trans-1,2-Dichloroethene	ND	16	ND	4.1	
75-34-3	1,1-Dichloroethane	ND	16	ND	4.0	
1634-04-4	Methyl tert-Butyl Ether	ND	16	ND	4.5	
108-05-4	Vinyl Acetate	ND	16	ND	4.6	
78-93-3	2-Butanone (MEK)	ND	16	ND	5.5	
156-59-2	cis-1,2-Dichloroethene	**60**	16	**15**	4.1	
67-66-3	Chloroform	ND	16	ND	3.3	
107-06-2	1,2-Dichloroethane	**18**	16	**4.4**	4.0	
71-55-6	1,1,1-Trichloroethane	ND	16	ND	3.0	
71-43-2	Benzene	**160**	16	**49**	5.0	
56-23-5	Carbon Tetrachloride	ND	16	ND	2.6	
78-87-5	1,2-Dichloropropane	ND	16	ND	3.5	

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

Verified By: RG Date: 4/6/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-55-S-3-14-07**
Client Project ID: **WDI**

CAS Project ID: P2700726
CAS Sample ID: P2700726-001

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: SC00363

Date Collected: 3/14/07
Date Received: 3/16/07
Date(s) Analyzed: 3/26/07
Volume(s) Analyzed: 0.10 Liter(s)

Pi 1 = -3.1 Pf 1 = 4.0

Can D.F. = 1.61

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	16	ND	2.4	
79-01-6	Trichloroethene	ND	16	ND	3.0	
10061-01-5	cis-1,3-Dichloropropene	ND	16	ND	3.5	
108-10-1	4-Methyl-2-pentanone	ND	16	ND	3.9	
10061-02-6	trans-1,3-Dichloropropene	ND	16	ND	3.5	
79-00-5	1,1,2-Trichloroethane	ND	16	ND	3.0	
108-88-3	Toluene	**21**	16	**5.5**	4.3	
591-78-6	2-Hexanone	ND	16	ND	3.9	
124-48-1	Dibromochloromethane	ND	16	ND	1.9	
106-93-4	1,2-Dibromoethane	ND	16	ND	2.1	
127-18-4	Tetrachloroethene	ND	16	ND	2.4	
108-90-7	Chlorobenzene	ND	16	ND	3.5	
100-41-4	Ethylbenzene	**26**	16	**6.0**	3.7	**M**
179601-23-1	*m,p*-Xylenes	**42**	16	**9.7**	3.7	
75-25-2	Bromoform	ND	16	ND	1.6	
100-42-5	Styrene	ND	16	ND	3.8	
95-47-6	o-Xylene	ND	16	ND	3.7	
79-34-5	1,1,2,2-Tetrachloroethane	ND	16	ND	2.3	
541-73-1	1,3-Dichlorobenzene	ND	16	ND	2.7	
106-46-7	1,4-Dichlorobenzene	ND	16	ND	2.7	
95-50-1	1,2-Dichlorobenzene	ND	16	ND	2.7	

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.
M = Matrix interference; results may be biased high.

Verified By: RC Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: WDI-VW-55-I-3-14-07
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-002

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: SC00901

Date Collected: 3/14/07
Date Received: 3/16/07
Date(s) Analyzed: 3/26/07
Volume(s) Analyzed: 0.50 Liter(s)

Pi 1 = -3.5 Pf 1 = 3.5

Can D.F. = 1.63

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	3.3	ND	1.6	
75-01-4	Vinyl Chloride	ND	3.3	ND	1.3	
74-83-9	Bromomethane	ND	3.3	ND	0.84	
75-00-3	Chloroethane	ND	3.3	ND	1.2	
67-64-1	Acetone	ND	16	ND	6.9	
75-69-4	Trichlorofluoromethane	ND	3.3	ND	0.58	
75-35-4	1,1-Dichloroethene	ND	3.3	ND	0.82	
75-09-2	Methylene chloride	ND	3.3	ND	0.94	
76-13-1	Trichlorotrifluoroethane	ND	3.3	ND	0.43	
75-15-0	Carbon Disulfide	ND	3.3	ND	1.0	
156-60-5	trans-1,2-Dichloroethene	ND	3.3	ND	0.82	
75-34-3	1,1-Dichloroethane	ND	3.3	ND	0.81	
1634-04-4	Methyl tert-Butyl Ether	ND	3.3	ND	0.90	
108-05-4	Vinyl Acetate	ND	3.3	ND	0.93	
78-93-3	2-Butanone (MEK)	**7.9**	3.3	**2.7**	1.1	
156-59-2	cis-1,2-Dichloroethene	**7.4**	3.3	**1.9**	0.82	
67-66-3	Chloroform	ND	3.3	ND	0.67	
107-06-2	1,2-Dichloroethane	ND	3.3	ND	0.81	
71-55-6	1,1,1-Trichloroethane	ND	3.3	ND	0.60	
71-43-2	Benzene	**270**	3.3	**83**	1.0	
56-23-5	Carbon Tetrachloride	ND	3.3	ND	0.52	
78-87-5	1,2-Dichloropropane	ND	3.3	ND	0.71	

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

Verified By: RG Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-55-I-3-14-07**
Client Project ID: **WDI**

CAS Project ID: P2700726
CAS Sample ID: P2700726-002

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: SC00901

Date Collected: 3/14/07
Date Received: 3/16/07
Date(s) Analyzed: 3/26/07
Volume(s) Analyzed: 0.50 Liter(s)

Pi 1 = -3.5 Pf 1 = 3.5

Can D.F. = 1.63

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	3.3	ND	0.49	
79-01-6	Trichloroethene	**20**	3.3	**3.7**	0.61	
10061-01-5	cis-1,3-Dichloropropene	ND	3.3	ND	0.72	
108-10-1	4-Methyl-2-pentanone	ND	3.3	ND	0.80	
10061-02-6	trans-1,3-Dichloropropene	ND	3.3	ND	0.72	
79-00-5	1,1,2-Trichloroethane	ND	3.3	ND	0.60	
108-88-3	Toluene	**8.0**	3.3	**2.1**	0.87	
591-78-6	2-Hexanone	**3.8**	3.3	**0.94**	0.80	**M**
124-48-1	Dibromochloromethane	ND	3.3	ND	0.38	
106-93-4	1,2-Dibromoethane	ND	3.3	ND	0.42	
127-18-4	Tetrachloroethene	**41**	3.3	**6.1**	0.48	
108-90-7	Chlorobenzene	ND	3.3	ND	0.71	
100-41-4	Ethylbenzene	ND	3.3	ND	0.75	
179601-23-1	*m,p* -Xylenes	**11**	3.3	**2.5**	0.75	
75-25-2	Bromoform	ND	3.3	ND	0.32	
100-42-5	Styrene	ND	3.3	ND	0.77	
95-47-6	o-Xylene	**4.2**	3.3	**0.96**	0.75	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.3	ND	0.47	
541-73-1	1,3-Dichlorobenzene	ND	3.3	ND	0.54	
106-46-7	1,4-Dichlorobenzene	ND	3.3	ND	0.54	
95-50-1	1,2-Dichlorobenzene	ND	3.3	ND	0.54	

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

Verified By: RG Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-55-I-3-14-07**
Client Project ID: **WDI**

CAS Project ID: P2700726
CAS Sample ID: P2700726-002DUP

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: SC00901

Date Collected: 3/14/07
Date Received: 3/16/07
Date(s) Analyzed: 3/26/07
Volume(s) Analyzed: 0.50 Liter(s)

Pi 1 = -3.5 Pf 1 = 3.5

Can D.F. = 1.63

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	3.3	ND	1.6	
75-01-4	Vinyl Chloride	ND	3.3	ND	1.3	
74-83-9	Bromomethane	ND	3.3	ND	0.84	
75-00-3	Chloroethane	ND	3.3	ND	1.2	
67-64-1	Acetone	ND	16	ND	6.9	
75-69-4	Trichlorofluoromethane	ND	3.3	ND	0.58	
75-35-4	1,1-Dichloroethene	ND	3.3	ND	0.82	
75-09-2	Methylene chloride	ND	3.3	ND	0.94	
76-13-1	Trichlorotrifluoroethane	ND	3.3	ND	0.43	
75-15-0	Carbon Disulfide	ND	3.3	ND	1.0	
156-60-5	trans-1,2-Dichloroethene	ND	3.3	ND	0.82	
75-34-3	1,1-Dichloroethane	ND	3.3	ND	0.81	
1634-04-4	Methyl tert-Butyl Ether	ND	3.3	ND	0.90	
108-05-4	Vinyl Acetate	ND	3.3	ND	0.93	
78-93-3	2-Butanone (MEK)	**7.2**	3.3	**2.4**	1.1	
156-59-2	cis-1,2-Dichloroethene	**6.8**	3.3	**1.7**	0.82	
67-66-3	Chloroform	ND	3.3	ND	0.67	
107-06-2	1,2-Dichloroethane	ND	3.3	ND	0.81	
71-55-6	1,1,1-Trichloroethane	ND	3.3	ND	0.60	
71-43-2	Benzene	**250**	3.3	**78**	1.0	
56-23-5	Carbon Tetrachloride	ND	3.3	ND	0.52	
78-87-5	1,2-Dichloropropane	ND	3.3	ND	0.71	

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

Verified By: Ru Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: WDI-VW-55-I-3-14-07
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-002DUP

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: SC00901

Date Collected: 3/14/07
Date Received: 3/16/07
Date(s) Analyzed: 3/26/07
Volume(s) Analyzed: 0.50 Liter(s)

Pi 1 = -3.5 Pf 1 = 3.5

Can D.F. = 1.63

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	3.3	ND	0.49	
79-01-6	Trichloroethene	**19**	3.3	**3.5**	0.61	
10061-01-5	cis-1,3-Dichloropropene	ND	3.3	ND	0.72	
108-10-1	4-Methyl-2-pentanone	ND	3.3	ND	0.80	
10061-02-6	trans-1,3-Dichloropropene	ND	3.3	ND	0.72	
79-00-5	1,1,2-Trichloroethane	ND	3.3	ND	0.60	
108-88-3	Toluene	**7.7**	3.3	**2.0**	0.87	
591-78-6	2-Hexanone	**4.1**	3.3	**1.0**	0.80	**M**
124-48-1	Dibromochloromethane	ND	3.3	ND	0.38	
106-93-4	1,2-Dibromoethane	ND	3.3	ND	0.42	
127-18-4	Tetrachloroethene	**40**	3.3	**6.0**	0.48	
108-90-7	Chlorobenzene	ND	3.3	ND	0.71	
100-41-4	Ethylbenzene	ND	3.3	ND	0.75	
179601-23-1	*m,p* -Xylenes	**10**	3.3	**2.4**	0.75	
75-25-2	Bromoform	ND	3.3	ND	0.32	
100-42-5	Styrene	ND	3.3	ND	0.77	
95-47-6	o-Xylene	**4.0**	3.3	**0.92**	0.75	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.3	ND	0.47	
541-73-1	1,3-Dichlorobenzene	ND	3.3	ND	0.54	
106-46-7	1,4-Dichlorobenzene	ND	3.3	ND	0.54	
95-50-1	1,2-Dichlorobenzene	ND	3.3	ND	0.54	

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: Rec Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: WDI-VW-55-I-3-14-07-SC
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-003

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: SC00770

Date Collected: 3/14/07
Date Received: 3/16/07
Date(s) Analyzed: 3/26/07
Volume(s) Analyzed: 0.50 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	3.2	ND	1.5	
75-01-4	Vinyl Chloride	ND	3.2	ND	1.2	
74-83-9	Bromomethane	ND	3.2	ND	0.81	
75-00-3	Chloroethane	ND	3.2	ND	1.2	
67-64-1	Acetone	ND	16	ND	6.7	
75-69-4	Trichlorofluoromethane	ND	3.2	ND	0.56	
75-35-4	1,1-Dichloroethene	ND	3.2	ND	0.80	
75-09-2	Methylene chloride	ND	3.2	ND	0.91	
76-13-1	Trichlorotrifluoroethane	ND	3.2	ND	0.41	
75-15-0	Carbon Disulfide	ND	3.2	ND	1.0	
156-60-5	trans-1,2-Dichloroethene	ND	3.2	ND	0.80	
75-34-3	1,1-Dichloroethane	ND	3.2	ND	0.78	
1634-04-4	Methyl tert-Butyl Ether	ND	3.2	ND	0.88	
108-05-4	Vinyl Acetate	ND	3.2	ND	0.90	
78-93-3	2-Butanone (MEK)	**8.7**	3.2	**2.9**	1.1	
156-59-2	cis-1,2-Dichloroethene	**6.3**	3.2	**1.6**	0.80	
67-66-3	Chloroform	ND	3.2	ND	0.65	
107-06-2	1,2-Dichloroethane	ND	3.2	ND	0.78	
71-55-6	1,1,1-Trichloroethane	ND	3.2	ND	0.58	
71-43-2	Benzene	**290**	3.2	**92**	0.99	
56-23-5	Carbon Tetrachloride	ND	3.2	ND	0.50	
78-87-5	1,2-Dichloropropane	ND	3.2	ND	0.68	

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: [illegible] Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: WDI-VW-55-I-3-14-07-SC
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-003

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: SC00770

Date Collected: 3/14/07
Date Received: 3/16/07
Date(s) Analyzed: 3/26/07
Volume(s) Analyzed: 0.50 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	3.2	ND	0.47	
79-01-6	Trichloroethene	**16**	3.2	**2.9**	0.59	
10061-01-5	cis-1,3-Dichloropropene	ND	3.2	ND	0.70	
108-10-1	4-Methyl-2-pentanone	ND	3.2	ND	0.77	
10061-02-6	trans-1,3-Dichloropropene	ND	3.2	ND	0.70	
79-00-5	1,1,2-Trichloroethane	ND	3.2	ND	0.58	
108-88-3	Toluene	**10**	3.2	**2.7**	0.84	
591-78-6	2-Hexanone	**5.3**	3.2	**1.3**	0.77	M
124-48-1	Dibromochloromethane	ND	3.2	ND	0.37	
106-93-4	1,2-Dibromoethane	ND	3.2	ND	0.41	
127-18-4	Tetrachloroethene	**25**	3.2	**3.8**	0.47	
108-90-7	Chlorobenzene	ND	3.2	ND	0.69	
100-41-4	Ethylbenzene	**3.2**	3.2	**0.73**	0.73	
179601-23-1	*m,p* -Xylenes	**12**	3.2	**2.8**	0.73	
75-25-2	Bromoform	ND	3.2	ND	0.31	
100-42-5	Styrene	ND	3.2	ND	0.74	
95-47-6	o-Xylene	**4.7**	3.2	**1.1**	0.73	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.2	ND	0.46	
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.
M = Matrix interference; results may be biased high.

Verified By: RG Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-55-D-3-14-07**
Client Project ID: **WDI**

CAS Project ID: P2700726
CAS Sample ID: P2700726-004

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: SC00527

Date Collected: 3/14/07
Date Received: 3/16/07
Date(s) Analyzed: 3/26/07
Volume(s) Analyzed: 0.25 Liter(s)

Pi 1 = -2.7 Pf 1 = 3.5

Can D.F. = 1.52

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	6.1	ND	2.9	
75-01-4	Vinyl Chloride	**11**	6.1	**4.3**	2.4	
74-83-9	Bromomethane	ND	6.1	ND	1.6	
75-00-3	Chloroethane	ND	6.1	ND	2.3	
67-64-1	Acetone	ND	30	ND	13	
75-69-4	Trichlorofluoromethane	ND	6.1	ND	1.1	
75-35-4	1,1-Dichloroethene	ND	6.1	ND	1.5	
75-09-2	Methylene chloride	ND	6.1	ND	1.8	
76-13-1	Trichlorotrifluoroethane	ND	6.1	ND	0.79	
75-15-0	Carbon Disulfide	ND	6.1	ND	2.0	
156-60-5	trans-1,2-Dichloroethene	ND	6.1	ND	1.5	
75-34-3	1,1-Dichloroethane	ND	6.1	ND	1.5	
1634-04-4	Methyl tert-Butyl Ether	**6.6**	6.1	**1.8**	1.7	
108-05-4	Vinyl Acetate	ND	6.1	ND	1.7	
78-93-3	2-Butanone (MEK)	ND	6.1	ND	2.1	
156-59-2	cis-1,2-Dichloroethene	**45**	6.1	**11**	1.5	
67-66-3	Chloroform	ND	6.1	ND	1.2	
107-06-2	1,2-Dichloroethane	ND	6.1	ND	1.5	
71-55-6	1,1,1-Trichloroethane	ND	6.1	ND	1.1	
71-43-2	Benzene	**130**	6.1	**42**	1.9	
56-23-5	Carbon Tetrachloride	ND	6.1	ND	0.97	
78-87-5	1,2-Dichloropropane	ND	6.1	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: Re. Date: 4/6/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: WDI-VW-55-D-3-14-07
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-004

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: SC00527

Date Collected: 3/14/07
Date Received: 3/16/07
Date(s) Analyzed: 3/26/07
Volume(s) Analyzed: 0.25 Liter(s)

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

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	6.1	ND	0.91	
79-01-6	Trichloroethene	**32**	6.1	**5.9**	1.1	
10061-01-5	cis-1,3-Dichloropropene	ND	6.1	ND	1.3	
108-10-1	4-Methyl-2-pentanone	ND	6.1	ND	1.5	
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	ND	1.3	
79-00-5	1,1,2-Trichloroethane	ND	6.1	ND	1.1	
108-88-3	Toluene	**300**	6.1	**80**	1.6	
591-78-6	2-Hexanone	ND	6.1	ND	1.5	
124-48-1	Dibromochloromethane	ND	6.1	ND	0.71	
106-93-4	1,2-Dibromoethane	ND	6.1	ND	0.79	
127-18-4	Tetrachloroethene	**15**	6.1	**2.2**	0.90	
108-90-7	Chlorobenzene	ND	6.1	ND	1.3	
100-41-4	Ethylbenzene	**44**	6.1	**10**	1.4	
179601-23-1	*m,p*-Xylenes	**180**	6.1	**42**	1.4	
75-25-2	Bromoform	ND	6.1	ND	0.59	
100-42-5	Styrene	ND	6.1	ND	1.4	
95-47-6	o-Xylene	**53**	6.1	**12**	1.4	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	ND	0.89	
541-73-1	1,3-Dichlorobenzene	ND	6.1	ND	1.0	
106-46-7	1,4-Dichlorobenzene	ND	6.1	ND	1.0	
95-50-1	1,2-Dichlorobenzene	ND	6.1	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: [illegible] Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: WDI-VW-56-S-3-14-07
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-005

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: SC00252

Date Collected: 3/14/07
Date Received: 3/16/07
Date(s) Analyzed: 3/26/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.7 Pf 1 = 3.5

Can D.F. = 1.52

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.5	ND	0.74	
75-01-4	Vinyl Chloride	ND	1.5	ND	0.59	
74-83-9	Bromomethane	ND	1.5	ND	0.39	
75-00-3	Chloroethane	ND	1.5	ND	0.58	
67-64-1	Acetone	**26**	7.6	**11**	3.2	
75-69-4	Trichlorofluoromethane	ND	1.5	ND	0.27	
75-35-4	1,1-Dichloroethene	ND	1.5	ND	0.38	
75-09-2	Methylene chloride	**2.1**	1.5	**0.59**	0.44	
76-13-1	Trichlorotrifluoroethane	ND	1.5	ND	0.20	
75-15-0	Carbon Disulfide	**5.2**	1.5	**1.7**	0.49	
156-60-5	trans-1,2-Dichloroethene	**2.5**	1.5	**0.64**	0.38	
75-34-3	1,1-Dichloroethane	**2.6**	1.5	**0.63**	0.38	
1634-04-4	Methyl tert-Butyl Ether	**120**	1.5	**34**	0.42	
108-05-4	Vinyl Acetate	ND	1.5	ND	0.43	
78-93-3	2-Butanone (MEK)	**11**	1.5	**3.8**	0.52	
156-59-2	cis-1,2-Dichloroethene	**73**	1.5	**18**	0.38	
67-66-3	Chloroform	ND	1.5	ND	0.31	
107-06-2	1,2-Dichloroethane	ND	1.5	ND	0.38	
71-55-6	1,1,1-Trichloroethane	ND	1.5	ND	0.28	
71-43-2	Benzene	**20**	1.5	**6.4**	0.48	
56-23-5	Carbon Tetrachloride	ND	1.5	ND	0.24	
78-87-5	1,2-Dichloropropane	ND	1.5	ND	0.33	

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

Verified By: R. Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: WDI-VW-56-S-3-14-07
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-005

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: SC00252

Date Collected: 3/14/07
Date Received: 3/16/07
Date(s) Analyzed: 3/26/07
Volume(s) Analyzed: 1.00 Liter(s)

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

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.5	ND	0.23	
79-01-6	Trichloroethene	**54**	1.5	**10**	0.28	
10061-01-5	cis-1,3-Dichloropropene	ND	1.5	ND	0.33	
108-10-1	4-Methyl-2-pentanone	ND	1.5	ND	0.37	
10061-02-6	trans-1,3-Dichloropropene	ND	1.5	ND	0.33	
79-00-5	1,1,2-Trichloroethane	ND	1.5	ND	0.28	
108-88-3	Toluene	**41**	1.5	**11**	0.40	
591-78-6	2-Hexanone	ND	1.5	ND	0.37	
124-48-1	Dibromochloromethane	ND	1.5	ND	0.18	
106-93-4	1,2-Dibromoethane	ND	1.5	ND	0.20	
127-18-4	Tetrachloroethene	**44**	1.5	**6.5**	0.22	
108-90-7	Chlorobenzene	ND	1.5	ND	0.33	
100-41-4	Ethylbenzene	**3.3**	1.5	**0.76**	0.35	
179601-23-1	*m,p* -Xylenes	**12**	1.5	**2.7**	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	**3.2**	1.5	**0.74**	0.35	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.5	ND	0.22	
541-73-1	1,3-Dichlorobenzene	ND	1.5	ND	0.25	
106-46-7	1,4-Dichlorobenzene	ND	1.5	ND	0.25	
95-50-1	1,2-Dichlorobenzene	ND	1.5	ND	0.25	

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

Verified By: R.. Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-56-I-3-14-07**
Client Project ID: **WDI**

CAS Project ID: P2700726
CAS Sample ID: P2700726-006

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: SC00240

Date Collected: 3/14/07
Date Received: 3/16/07
Date(s) Analyzed: 3/26 - 3/27/07
Volume(s) Analyzed: 0.20 Liter(s)
0.050 Liter(s)

Pi 1 = -3.3 Pf 1 = 3.6
Can D.F. = 1.61

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	8.1	ND	3.9	
75-01-4	Vinyl Chloride	ND	8.1	ND	3.2	
74-83-9	Bromomethane	ND	8.1	ND	2.1	
75-00-3	Chloroethane	ND	8.1	ND	3.1	
67-64-1	Acetone	**55**	40	**23**	17	**M**
75-69-4	Trichlorofluoromethane	ND	8.1	ND	1.4	
75-35-4	1,1-Dichloroethene	ND	8.1	ND	2.0	
75-09-2	Methylene chloride	ND	8.1	ND	2.3	
76-13-1	Trichlorotrifluoroethane	ND	8.1	ND	1.1	
75-15-0	Carbon Disulfide	**20**	8.1	**6.3**	2.6	
156-60-5	trans-1,2-Dichloroethene	ND	8.1	ND	2.0	
75-34-3	1,1-Dichloroethane	ND	8.1	ND	2.0	
1634-04-4	Methyl tert-Butyl Ether	**33**	8.1	**9.0**	2.2	
108-05-4	Vinyl Acetate	ND	8.1	ND	2.3	
78-93-3	2-Butanone (MEK)	**24**	8.1	**8.2**	2.7	
156-59-2	cis-1,2-Dichloroethene	**19**	8.1	**4.7**	2.0	
67-66-3	Chloroform	**19**	8.1	**4.0**	1.6	
107-06-2	1,2-Dichloroethane	ND	8.1	ND	2.0	
71-55-6	1,1,1-Trichloroethane	ND	8.1	ND	1.5	
71-43-2	Benzene	**930**	8.1	**290**	2.5	
56-23-5	Carbon Tetrachloride	ND	8.1	ND	1.3	
78-87-5	1,2-Dichloropropane	ND	8.1	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.
M = Matrix interference; results may be biased high.

Verified By: RC Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-56-I-3-14-07**
Client Project ID: **WDI**

CAS Project ID: P2700726
CAS Sample ID: P2700726-006

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: SC00240

Date Collected: 3/14/07
Date Received: 3/16/07
Date(s) Analyzed: 3/26 - 3/27/07
Volume(s) Analyzed: 0.20 Liter(s)
0.050 Liter(s)

Pi 1 = -3.3 Pf 1 = 3.6

Can D.F. = 1.61

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	8.1	ND	1.2	
79-01-6	Trichloroethene	**180**	8.1	**34**	1.5	
10061-01-5	cis-1,3-Dichloropropene	ND	8.1	ND	1.8	
108-10-1	4-Methyl-2-pentanone	ND	8.1	ND	2.0	
10061-02-6	trans-1,3-Dichloropropene	ND	8.1	ND	1.8	
79-00-5	1,1,2-Trichloroethane	ND	8.1	ND	1.5	
108-88-3	Toluene	**20**	8.1	**5.3**	2.1	
591-78-6	2-Hexanone	**10**	8.1	**2.4**	2.0	
124-48-1	Dibromochloromethane	ND	8.1	ND	0.95	
106-93-4	1,2-Dibromoethane	ND	8.1	ND	1.0	
127-18-4	Tetrachloroethene	**24**	8.1	**3.6**	1.2	
108-90-7	Chlorobenzene	ND	8.1	ND	1.7	
100-41-4	Ethylbenzene	ND	8.1	ND	1.9	
179601-23-1	*m,p* -Xylenes	**16**	8.1	**3.7**	1.9	
75-25-2	Bromoform	ND	8.1	ND	0.78	
100-42-5	Styrene	ND	8.1	ND	1.9	
95-47-6	o-Xylene	ND	8.1	ND	1.9	
79-34-5	1,1,2,2-Tetrachloroethane	ND	8.1	ND	1.2	
541-73-1	1,3-Dichlorobenzene	ND	8.1	ND	1.3	
106-46-7	1,4-Dichlorobenzene	ND	8.1	ND	1.3	
95-50-1	1,2-Dichlorobenzene	ND	8.1	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: R.L. Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-56-D-3-14-07**
Client Project ID: **WDI**

CAS Project ID: P2700726
CAS Sample ID: P2700726-007

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: SC00280

Date Collected: 3/14/07
Date Received: 3/16/07
Date(s) Analyzed: 3/26/07
Volume(s) Analyzed: 0.50 Liter(s)

Pi 1 = -2.7 Pf 1 = 4.0

Can D.F. = 1.56

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	3.1	ND	1.5	
75-01-4	Vinyl Chloride	ND	3.1	ND	1.2	
74-83-9	Bromomethane	ND	3.1	ND	0.80	
75-00-3	Chloroethane	ND	3.1	ND	1.2	
67-64-1	Acetone	**16**	16	**6.7**	6.6	M
75-69-4	Trichlorofluoromethane	ND	3.1	ND	0.56	
75-35-4	1,1-Dichloroethene	ND	3.1	ND	0.79	
75-09-2	Methylene chloride	ND	3.1	ND	0.90	
76-13-1	Trichlorotrifluoroethane	ND	3.1	ND	0.41	
75-15-0	Carbon Disulfide	**32**	3.1	**10**	1.0	
156-60-5	trans-1,2-Dichloroethene	ND	3.1	ND	0.79	
75-34-3	1,1-Dichloroethane	ND	3.1	ND	0.77	
1634-04-4	Methyl tert-Butyl Ether	**30**	3.1	**8.2**	0.87	
108-05-4	Vinyl Acetate	ND	3.1	ND	0.89	
78-93-3	2-Butanone (MEK)	**6.0**	3.1	**2.0**	1.1	
156-59-2	cis-1,2-Dichloroethene	**17**	3.1	**4.2**	0.79	
67-66-3	Chloroform	**24**	3.1	**5.0**	0.64	
107-06-2	1,2-Dichloroethane	ND	3.1	ND	0.77	
71-55-6	1,1,1-Trichloroethane	ND	3.1	ND	0.57	
71-43-2	Benzene	**78**	3.1	**24**	0.98	
56-23-5	Carbon Tetrachloride	ND	3.1	ND	0.50	
78-87-5	1,2-Dichloropropane	ND	3.1	ND	0.68	

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: Rc Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: WDI-VW-56-D-3-14-07
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-007

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: SC00280

Date Collected: 3/14/07
Date Received: 3/16/07
Date(s) Analyzed: 3/26/07
Volume(s) Analyzed: 0.50 Liter(s)

Pi 1 = -2.7 Pf 1 = 4.0

Can D.F. = 1.56

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	3.1	ND	0.47	
79-01-6	Trichloroethene	**260**	3.1	**48**	0.58	
10061-01-5	cis-1,3-Dichloropropene	ND	3.1	ND	0.69	
108-10-1	4-Methyl-2-pentanone	ND	3.1	ND	0.76	
10061-02-6	trans-1,3-Dichloropropene	ND	3.1	ND	0.69	
79-00-5	1,1,2-Trichloroethane	ND	3.1	ND	0.57	
108-88-3	Toluene	**11**	3.1	**3.0**	0.83	
591-78-6	2-Hexanone	ND	3.1	ND	0.76	
124-48-1	Dibromochloromethane	ND	3.1	ND	0.37	
106-93-4	1,2-Dibromoethane	ND	3.1	ND	0.41	
127-18-4	Tetrachloroethene	**58**	3.1	**8.5**	0.46	
108-90-7	Chlorobenzene	ND	3.1	ND	0.68	
100-41-4	Ethylbenzene	**6.0**	3.1	**1.4**	0.72	
179601-23-1	*m,p* -Xylenes	**24**	3.1	**5.4**	0.72	
75-25-2	Bromoform	ND	3.1	ND	0.30	
100-42-5	Styrene	ND	3.1	ND	0.73	
95-47-6	o-Xylene	**9.2**	3.1	**2.1**	0.72	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.1	ND	0.45	
541-73-1	1,3-Dichlorobenzene	ND	3.1	ND	0.52	
106-46-7	1,4-Dichlorobenzene	ND	3.1	ND	0.52	
95-50-1	1,2-Dichlorobenzene	ND	3.1	ND	0.52	

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: Rio Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: WDI-VW-58-S-3-14-07
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-008

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: SC00146

Date Collected: 3/14/07
Date Received: 3/16/07
Date(s) Analyzed: 3/26/07
Volume(s) Analyzed: 0.10 Liter(s)

Pi 1 = -2.5 Pf 1 = 3.5

Can D.F. = 1.49

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	15	ND	7.2	
75-01-4	Vinyl Chloride	ND	15	ND	5.8	
74-83-9	Bromomethane	ND	15	ND	3.8	
75-00-3	Chloroethane	ND	15	ND	5.6	
67-64-1	Acetone	ND	75	ND	31	
75-69-4	Trichlorofluoromethane	**29**	15	**5.2**	2.7	
75-35-4	1,1-Dichloroethene	ND	15	ND	3.8	
75-09-2	Methylene chloride	ND	15	ND	4.3	
76-13-1	Trichlorotrifluoroethane	ND	15	ND	1.9	
75-15-0	Carbon Disulfide	ND	15	ND	4.8	
156-60-5	trans-1,2-Dichloroethene	ND	15	ND	3.8	
75-34-3	1,1-Dichloroethane	ND	15	ND	3.7	
1634-04-4	Methyl tert-Butyl Ether	ND	15	ND	4.1	
108-05-4	Vinyl Acetate	ND	15	ND	4.2	
78-93-3	2-Butanone (MEK)	**20**	15	**6.8**	5.1	
156-59-2	cis-1,2-Dichloroethene	ND	15	ND	3.8	
67-66-3	Chloroform	ND	15	ND	3.1	
107-06-2	1,2-Dichloroethane	ND	15	ND	3.7	
71-55-6	1,1,1-Trichloroethane	**36**	15	**6.5**	2.7	
71-43-2	Benzene	**400**	15	**130**	4.7	
56-23-5	Carbon Tetrachloride	ND	15	ND	2.4	
78-87-5	1,2-Dichloropropane	ND	15	ND	3.2	

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

Verified By: Rc Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: WDI-VW-58-S-3-14-07
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-008

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: SC00146

Date Collected: 3/14/07
Date Received: 3/16/07
Date(s) Analyzed: 3/26/07
Volume(s) Analyzed: 0.10 Liter(s)

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

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	15	ND	2.2	
79-01-6	Trichloroethene	**630**	15	**120**	2.8	
10061-01-5	cis-1,3-Dichloropropene	ND	15	ND	3.3	
108-10-1	4-Methyl-2-pentanone	ND	15	ND	3.6	
10061-02-6	trans-1,3-Dichloropropene	ND	15	ND	3.3	
79-00-5	1,1,2-Trichloroethane	ND	15	ND	2.7	
108-88-3	Toluene	**31**	15	**8.2**	4.0	
591-78-6	2-Hexanone	ND	15	ND	3.6	
124-48-1	Dibromochloromethane	ND	15	ND	1.7	
106-93-4	1,2-Dibromoethane	ND	15	ND	1.9	
127-18-4	Tetrachloroethene	**19**	15	**2.7**	2.2	
108-90-7	Chlorobenzene	ND	15	ND	3.2	
100-41-4	Ethylbenzene	ND	15	ND	3.4	
179601-23-1	*m,p*-Xylenes	**34**	15	**7.8**	3.4	
75-25-2	Bromoform	ND	15	ND	1.4	
100-42-5	Styrene	ND	15	ND	3.5	
95-47-6	o-Xylene	ND	15	ND	3.4	
79-34-5	1,1,2,2-Tetrachloroethane	ND	15	ND	2.2	
541-73-1	1,3-Dichlorobenzene	ND	15	ND	2.5	
106-46-7	1,4-Dichlorobenzene	ND	15	ND	2.5	
95-50-1	1,2-Dichlorobenzene	ND	15	ND	2.5	

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

Verified By: Rc Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: WDI-VW-58-I-3-14-07
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-009

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: SC00345

Date Collected: 3/14/07
Date Received: 3/16/07
Date(s) Analyzed: 3/26 - 3/27/07
Volume(s) Analyzed: 0.20 Liter(s)
0.050 Liter(s)

Pi 1 = -2.1 Pf 1 = 3.5

Can D.F. = 1.44

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	7.2	ND	3.5	
75-01-4	Vinyl Chloride	ND	7.2	ND	2.8	
74-83-9	Bromomethane	ND	7.2	ND	1.9	
75-00-3	Chloroethane	ND	7.2	ND	2.7	
67-64-1	Acetone	ND	36	ND	15	
75-69-4	Trichlorofluoromethane	**13**	7.2	**2.3**	1.3	
75-35-4	1,1-Dichloroethene	ND	7.2	ND	1.8	
75-09-2	Methylene chloride	ND	7.2	ND	2.1	
76-13-1	Trichlorotrifluoroethane	**7.9**	7.2	**1.0**	0.94	
75-15-0	Carbon Disulfide	ND	7.2	ND	2.3	
156-60-5	trans-1,2-Dichloroethene	ND	7.2	ND	1.8	
75-34-3	1,1-Dichloroethane	ND	7.2	ND	1.8	
1634-04-4	Methyl tert-Butyl Ether	ND	7.2	ND	2.0	
108-05-4	Vinyl Acetate	ND	7.2	ND	2.0	
78-93-3	2-Butanone (MEK)	ND	7.2	ND	2.4	
156-59-2	cis-1,2-Dichloroethene	ND	7.2	ND	1.8	
67-66-3	Chloroform	ND	7.2	ND	1.5	
107-06-2	1,2-Dichloroethane	ND	7.2	ND	1.8	
71-55-6	1,1,1-Trichloroethane	**76**	7.2	**14**	1.3	
71-43-2	Benzene	**13**	7.2	**3.9**	2.3	
56-23-5	Carbon Tetrachloride	ND	7.2	ND	1.1	
78-87-5	1,2-Dichloropropane	ND	7.2	ND	1.6	

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

Verified By: RL Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-58-I-3-14-07**
Client Project ID: **WDI**

CAS Project ID: P2700726
CAS Sample ID: P2700726-009

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: SC00345

Date Collected: 3/14/07
Date Received: 3/16/07
Date(s) Analyzed: 3/26 - 3/27/07
Volume(s) Analyzed: 0.20 Liter(s)
0.050 Liter(s)

Pi 1 = -2.1 Pf 1 = 3.5

Can D.F. = 1.44

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	7.2	ND	1.1	
79-01-6	Trichloroethene	**1,300**	7.2	**250**	1.3	
10061-01-5	cis-1,3-Dichloropropene	ND	7.2	ND	1.6	
108-10-1	4-Methyl-2-pentanone	ND	7.2	ND	1.8	
10061-02-6	trans-1,3-Dichloropropene	ND	7.2	ND	1.6	
79-00-5	1,1,2-Trichloroethane	ND	7.2	ND	1.3	
108-88-3	Toluene	**22**	7.2	**5.7**	1.9	
591-78-6	2-Hexanone	ND	7.2	ND	1.8	
124-48-1	Dibromochloromethane	ND	7.2	ND	0.85	
106-93-4	1,2-Dibromoethane	ND	7.2	ND	0.94	
127-18-4	Tetrachloroethene	**220**	7.2	**32**	1.1	
108-90-7	Chlorobenzene	ND	7.2	ND	1.6	
100-41-4	Ethylbenzene	ND	7.2	ND	1.7	
179601-23-1	*m,p*-Xylenes	**25**	7.2	**5.8**	1.7	
75-25-2	Bromoform	ND	7.2	ND	0.70	
100-42-5	Styrene	ND	7.2	ND	1.7	
95-47-6	o-Xylene	**7.9**	7.2	**1.8**	1.7	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.2	ND	1.0	
541-73-1	1,3-Dichlorobenzene	ND	7.2	ND	1.2	
106-46-7	1,4-Dichlorobenzene	ND	7.2	ND	1.2	
95-50-1	1,2-Dichlorobenzene	ND	7.2	ND	1.2	

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

Verified By: Rec Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: WDI-VW-58-D-3-14-07
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-010

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: SC00057

Date Collected: 3/14/07
Date Received: 3/16/07
Date(s) Analyzed: 3/27/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.8 Pf 1 = 3.7

Can D.F. = 1.55

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.6	ND	0.75	
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	0.59	
67-64-1	Acetone	**21**	7.8	**8.9**	3.3	
75-69-4	Trichlorofluoromethane	**1.6**	1.6	**0.29**	0.28	
75-35-4	1,1-Dichloroethene	ND	1.6	ND	0.39	
75-09-2	Methylene chloride	ND	1.6	ND	0.45	
76-13-1	Trichlorotrifluoroethane	ND	1.6	ND	0.20	
75-15-0	Carbon Disulfide	ND	1.6	ND	0.50	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	ND	0.39	
75-34-3	1,1-Dichloroethane	ND	1.6	ND	0.38	
1634-04-4	Methyl tert-Butyl Ether	ND	1.6	ND	0.43	
108-05-4	Vinyl Acetate	**5.2**	1.6	**1.5**	0.44	**M, D**
78-93-3	2-Butanone (MEK)	**6.2**	1.6	**2.1**	0.53	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	ND	0.39	
67-66-3	Chloroform	ND	1.6	ND	0.32	
107-06-2	1,2-Dichloroethane	ND	1.6	ND	0.38	
71-55-6	1,1,1-Trichloroethane	**4.1**	1.6	**0.75**	0.28	
71-43-2	Benzene	**69**	1.6	**22**	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.
D = Duplicate presicion not within the specified limits.

Verified By: R.. Date: 4/5/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-58-D-3-14-07**
Client Project ID: **WDI**

CAS Project ID: P2700726
CAS Sample ID: P2700726-010

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: SC00057

Date Collected: 3/14/07
Date Received: 3/16/07
Date(s) Analyzed: 3/27/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.8 Pf 1 = 3.7
Can D.F. = 1.55

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	**68**	1.6	**13**	0.29	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	ND	0.34	
108-10-1	4-Methyl-2-pentanone	ND	1.6	ND	0.38	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	ND	0.34	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ND	0.28	
108-88-3	Toluene	**17**	1.6	**4.5**	0.41	
591-78-6	2-Hexanone	**2.7**	1.6	**0.66**	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	**24**	1.6	**3.5**	0.23	
108-90-7	Chlorobenzene	ND	1.6	ND	0.34	
100-41-4	Ethylbenzene	**4.1**	1.6	**0.95**	0.36	
179601-23-1	*m,p*-Xylenes	**17**	1.6	**3.9**	0.36	
75-25-2	Bromoform	ND	1.6	ND	0.15	
100-42-5	Styrene	ND	1.6	ND	0.36	
95-47-6	o-Xylene	**5.1**	1.6	**1.2**	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: RL Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: WDI-VW-58-D-3-14-07
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-010DUP

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00057

Date Collected: 3/14/07
Date Received: 3/16/07
Date(s) Analyzed: 3/27/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.8 Pf 1 = 3.7

Can D.F. = 1.55

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.6	ND	0.75	
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	0.59	
67-64-1	Acetone	**21**	7.8	**8.8**	3.3	
75-69-4	Trichlorofluoromethane	ND	1.6	ND	0.28	
75-35-4	1,1-Dichloroethene	ND	1.6	ND	0.39	
75-09-2	Methylene chloride	ND	1.6	ND	0.45	
76-13-1	Trichlorotrifluoroethane	ND	1.6	ND	0.20	
75-15-0	Carbon Disulfide	ND	1.6	ND	0.50	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	ND	0.39	
75-34-3	1,1-Dichloroethane	ND	1.6	ND	0.38	
1634-04-4	Methyl tert-Butyl Ether	ND	1.6	ND	0.43	
108-05-4	Vinyl Acetate	**7.3**	1.6	**2.1**	0.44	**M, D**
78-93-3	2-Butanone (MEK)	**5.9**	1.6	**2.0**	0.53	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	ND	0.39	
67-66-3	Chloroform	ND	1.6	ND	0.32	
107-06-2	1,2-Dichloroethane	ND	1.6	ND	0.38	
71-55-6	1,1,1-Trichloroethane	**4.0**	1.6	**0.73**	0.28	
71-43-2	Benzene	**67**	1.6	**21**	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.
D = Duplicate presicion not within the specified limits.

Verified By: Rc Date: 4/6/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-58-D-3-14-07**
Client Project ID: **WDI**

CAS Project ID: P2700726
CAS Sample ID: P2700726-010DUP

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Liliana Marghitoiu
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00057

Date Collected: 3/14/07
Date Received: 3/16/07
Date(s) Analyzed: 3/27/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.8 Pf 1 = 3.7

Can D.F. = 1.55

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	**67**	1.6	**13**	0.29	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	ND	0.34	
108-10-1	4-Methyl-2-pentanone	ND	1.6	ND	0.38	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	ND	0.34	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ND	0.28	
108-88-3	Toluene	**17**	1.6	**4.5**	0.41	
591-78-6	2-Hexanone	**2.9**	1.6	**0.70**	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	**24**	1.6	**3.5**	0.23	
108-90-7	Chlorobenzene	ND	1.6	ND	0.34	
100-41-4	Ethylbenzene	**4.1**	1.6	**0.95**	0.36	
179601-23-1	*m,p* -Xylenes	**17**	1.6	**4.0**	0.36	
75-25-2	Bromoform	ND	1.6	ND	0.15	
100-42-5	Styrene	ND	1.6	ND	0.36	
95-47-6	o-Xylene	**5.2**	1.6	**1.2**	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: R. Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: WDI-VW-62-S-3-15-07
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-011

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: SC00643

Date Collected: 3/15/07
Date Received: 3/16/07
Date(s) Analyzed: 3/27/07
Volume(s) Analyzed: 0.10 Liter(s)

Pi 1 = -2.1 Pf 1 = 3.5

Can D.F. = 1.44

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	14	ND	7.0	
75-01-4	Vinyl Chloride	ND	14	ND	5.6	
74-83-9	Bromomethane	ND	14	ND	3.7	
75-00-3	Chloroethane	ND	14	ND	5.5	
67-64-1	Acetone	ND	72	ND	30	
75-69-4	Trichlorofluoromethane	ND	14	ND	2.6	
75-35-4	1,1-Dichloroethene	ND	14	ND	3.6	
75-09-2	Methylene chloride	ND	14	ND	4.1	
76-13-1	Trichlorotrifluoroethane	ND	14	ND	1.9	
75-15-0	Carbon Disulfide	ND	14	ND	4.6	
156-60-5	trans-1,2-Dichloroethene	ND	14	ND	3.6	
75-34-3	1,1-Dichloroethane	ND	14	ND	3.6	
1634-04-4	Methyl tert-Butyl Ether	ND	14	ND	4.0	
108-05-4	Vinyl Acetate	ND	14	ND	4.1	
78-93-3	2-Butanone (MEK)	ND	14	ND	4.9	
156-59-2	cis-1,2-Dichloroethene	ND	14	ND	3.6	
67-66-3	Chloroform	ND	14	ND	2.9	
107-06-2	1,2-Dichloroethane	ND	14	ND	3.6	
71-55-6	1,1,1-Trichloroethane	ND	14	ND	2.6	
71-43-2	Benzene	**99**	14	**31**	4.5	
56-23-5	Carbon Tetrachloride	ND	14	ND	2.3	
78-87-5	1,2-Dichloropropane	ND	14	ND	3.1	

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

Verified By: Rc Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: WDI-VW-62-S-3-15-07
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-011

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: SC00643

Date Collected: 3/15/07
Date Received: 3/16/07
Date(s) Analyzed: 3/27/07
Volume(s) Analyzed: 0.10 Liter(s)

Pi 1 = -2.1 Pf 1 = 3.5

Can D.F. = 1.44

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	14	ND	2.2	
79-01-6	Trichloroethene	ND	14	ND	2.7	
10061-01-5	cis-1,3-Dichloropropene	ND	14	ND	3.2	
108-10-1	4-Methyl-2-pentanone	ND	14	ND	3.5	
10061-02-6	trans-1,3-Dichloropropene	ND	14	ND	3.2	
79-00-5	1,1,2-Trichloroethane	ND	14	ND	2.6	
108-88-3	Toluene	ND	14	ND	3.8	
591-78-6	2-Hexanone	ND	14	ND	3.5	
124-48-1	Dibromochloromethane	ND	14	ND	1.7	
106-93-4	1,2-Dibromoethane	ND	14	ND	1.9	
127-18-4	Tetrachloroethene	ND	14	ND	2.1	
108-90-7	Chlorobenzene	**26**	14	**5.6**	3.1	
100-41-4	Ethylbenzene	ND	14	ND	3.3	
179601-23-1	*m,p* -Xylenes	**20**	14	**4.6**	3.3	
75-25-2	Bromoform	ND	14	ND	1.4	
100-42-5	Styrene	ND	14	ND	3.4	
95-47-6	o-Xylene	ND	14	ND	3.3	
79-34-5	1,1,2,2-Tetrachloroethane	ND	14	ND	2.1	
541-73-1	1,3-Dichlorobenzene	ND	14	ND	2.4	
106-46-7	1,4-Dichlorobenzene	ND	14	ND	2.4	
95-50-1	1,2-Dichlorobenzene	ND	14	ND	2.4	

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

Verified By: Rcr Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-62-S-3-15-07-SC**
Client Project ID: **WDI**

CAS Project ID: P2700726
CAS Sample ID: P2700726-012

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: SC00080

Date Collected: 3/15/07
Date Received: 3/16/07
Date(s) Analyzed: 3/27/07
Volume(s) Analyzed: 0.050 Liter(s)

Pi 1 = -2.7 Pf 1 = 3.5

Can D.F. = 1.52

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	30	ND	15	
75-01-4	Vinyl Chloride	ND	30	ND	12	
74-83-9	Bromomethane	ND	30	ND	7.8	
75-00-3	Chloroethane	ND	30	ND	12	
67-64-1	Acetone	ND	150	ND	64	
75-69-4	Trichlorofluoromethane	ND	30	ND	5.4	
75-35-4	1,1-Dichloroethene	ND	30	ND	7.7	
75-09-2	Methylene chloride	ND	30	ND	8.8	
76-13-1	Trichlorotrifluoroethane	ND	30	ND	4.0	
75-15-0	Carbon Disulfide	ND	30	ND	9.8	
156-60-5	trans-1,2-Dichloroethene	ND	30	ND	7.7	
75-34-3	1,1-Dichloroethane	ND	30	ND	7.5	
1634-04-4	Methyl tert-Butyl Ether	ND	30	ND	8.4	
108-05-4	Vinyl Acetate	**420**	30	**120**	8.6	
78-93-3	2-Butanone (MEK)	ND	30	ND	10	
156-59-2	cis-1,2-Dichloroethene	ND	30	ND	7.7	
67-66-3	Chloroform	ND	30	ND	6.2	
107-06-2	1,2-Dichloroethane	ND	30	ND	7.5	
71-55-6	1,1,1-Trichloroethane	ND	30	ND	5.6	
71-43-2	Benzene	**140**	30	**44**	9.5	
56-23-5	Carbon Tetrachloride	ND	30	ND	4.8	
78-87-5	1,2-Dichloropropane	ND	30	ND	6.6	

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: Ro Date: 4/6/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: WDI-VW-62-S-3-15-07-SC
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-012

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: SC00080

Date Collected: 3/15/07
Date Received: 3/16/07
Date(s) Analyzed: 3/27/07
Volume(s) Analyzed: 0.050 Liter(s)

Pi 1 = -2.7 Pf 1 = 3.5

Can D.F. = 1.52

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	30	ND	4.5	
79-01-6	Trichloroethene	ND	30	ND	5.7	
10061-01-5	cis-1,3-Dichloropropene	ND	30	ND	6.7	
108-10-1	4-Methyl-2-pentanone	ND	30	ND	7.4	
10061-02-6	trans-1,3-Dichloropropene	ND	30	ND	6.7	
79-00-5	1,1,2-Trichloroethane	ND	30	ND	5.6	
108-88-3	Toluene	ND	30	ND	8.1	
591-78-6	2-Hexanone	ND	30	ND	7.4	
124-48-1	Dibromochloromethane	ND	30	ND	3.6	
106-93-4	1,2-Dibromoethane	ND	30	ND	4.0	
127-18-4	Tetrachloroethene	ND	30	ND	4.5	
108-90-7	Chlorobenzene	ND	30	ND	6.6	
100-41-4	Ethylbenzene	ND	30	ND	7.0	
179601-23-1	*m,p* -Xylenes	ND	30	ND	7.0	
75-25-2	Bromoform	ND	30	ND	2.9	
100-42-5	Styrene	ND	30	ND	7.1	
95-47-6	o-Xylene	ND	30	ND	7.0	
79-34-5	1,1,2,2-Tetrachloroethane	ND	30	ND	4.4	
541-73-1	1,3-Dichlorobenzene	ND	30	ND	5.1	
106-46-7	1,4-Dichlorobenzene	ND	30	ND	5.1	
95-50-1	1,2-Dichlorobenzene	ND	30	ND	5.1	

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

Verified By: Ki Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: WDI-VW-62-I-3-15-07
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-013

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: SC00862

Date Collected: 3/15/07
Date Received: 3/16/07
Date(s) Analyzed: 3/27/07
Volume(s) Analyzed: 0.25 Liter(s)

Pi 1 = -2.3 Pf 1 = 3.5

Can D.F. = 1.47

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	5.9	ND	2.8	
75-01-4	Vinyl Chloride	ND	5.9	ND	2.3	
74-83-9	Bromomethane	ND	5.9	ND	1.5	
75-00-3	Chloroethane	ND	5.9	ND	2.2	
67-64-1	Acetone	ND	29	ND	12	
75-69-4	Trichlorofluoromethane	ND	5.9	ND	1.0	
75-35-4	1,1-Dichloroethene	ND	5.9	ND	1.5	
75-09-2	Methylene chloride	ND	5.9	ND	1.7	
76-13-1	Trichlorotrifluoroethane	ND	5.9	ND	0.77	
75-15-0	Carbon Disulfide	ND	5.9	ND	1.9	
156-60-5	trans-1,2-Dichloroethene	ND	5.9	ND	1.5	
75-34-3	1,1-Dichloroethane	ND	5.9	ND	1.5	
1634-04-4	Methyl tert-Butyl Ether	ND	5.9	ND	1.6	
108-05-4	Vinyl Acetate	ND	5.9	ND	1.7	
78-93-3	2-Butanone (MEK)	**12**	5.9	**4.1**	2.0	
156-59-2	cis-1,2-Dichloroethene	ND	5.9	ND	1.5	
67-66-3	Chloroform	ND	5.9	ND	1.2	
107-06-2	1,2-Dichloroethane	ND	5.9	ND	1.5	
71-55-6	1,1,1-Trichloroethane	ND	5.9	ND	1.1	
71-43-2	Benzene	**500**	5.9	**160**	1.8	
56-23-5	Carbon Tetrachloride	ND	5.9	ND	0.94	
78-87-5	1,2-Dichloropropane	ND	5.9	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: Rs Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-62-I-3-15-07**
Client Project ID: **WDI**

CAS Project ID: P2700726
CAS Sample ID: P2700726-013

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: SC00862

Date Collected: 3/15/07
Date Received: 3/16/07
Date(s) Analyzed: 3/27/07
Volume(s) Analyzed: 0.25 Liter(s)

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

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	5.9	ND	0.88	
79-01-6	Trichloroethene	**150**	5.9	**29**	1.1	
10061-01-5	cis-1,3-Dichloropropene	ND	5.9	ND	1.3	
108-10-1	4-Methyl-2-pentanone	ND	5.9	ND	1.4	
10061-02-6	trans-1,3-Dichloropropene	ND	5.9	ND	1.3	
79-00-5	1,1,2-Trichloroethane	ND	5.9	ND	1.1	
108-88-3	Toluene	**11**	5.9	**2.8**	1.6	
591-78-6	2-Hexanone	ND	5.9	ND	1.4	
124-48-1	Dibromochloromethane	ND	5.9	ND	0.69	
106-93-4	1,2-Dibromoethane	ND	5.9	ND	0.77	
127-18-4	Tetrachloroethene	**13**	5.9	**1.9**	0.87	
108-90-7	Chlorobenzene	ND	5.9	ND	1.3	
100-41-4	Ethylbenzene	ND	5.9	ND	1.4	
179601-23-1	*m,p*-Xylenes	**6.7**	5.9	**1.5**	1.4	
75-25-2	Bromoform	ND	5.9	ND	0.57	
100-42-5	Styrene	ND	5.9	ND	1.4	
95-47-6	o-Xylene	ND	5.9	ND	1.4	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.9	ND	0.86	
541-73-1	1,3-Dichlorobenzene	ND	5.9	ND	0.98	
106-46-7	1,4-Dichlorobenzene	ND	5.9	ND	0.98	
95-50-1	1,2-Dichlorobenzene	ND	5.9	ND	0.98	

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: [illegible] Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-62-D-3-15-07**
Client Project ID: **WDI**

CAS Project ID: P2700726
CAS Sample ID: P2700726-014

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: SC00678

Date Collected: 3/15/07
Date Received: 3/16/07
Date(s) Analyzed: 3/27/07
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	**8.3**	7.7	**3.5**	3.2	
75-69-4	Trichlorofluoromethane	**5.2**	1.5	**0.93**	0.27	
75-35-4	1,1-Dichloroethene	ND	1.5	ND	0.39	
75-09-2	Methylene chloride	ND	1.5	ND	0.44	
76-13-1	Trichlorotrifluoroethane	ND	1.5	ND	0.20	
75-15-0	Carbon Disulfide	ND	1.5	ND	0.49	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	ND	0.39	
75-34-3	1,1-Dichloroethane	ND	1.5	ND	0.38	
1634-04-4	Methyl tert-Butyl Ether	ND	1.5	ND	0.43	
108-05-4	Vinyl Acetate	**5.6**	1.5	**1.6**	0.44	M
78-93-3	2-Butanone (MEK)	**1.8**	1.5	**0.63**	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	**4.4**	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: Rc. Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Sample ID: WDI-VW-62-D-3-15-07
Client Project ID: WDI

CAS Project ID: P2700726
CAS Sample ID: P2700726-014

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: SC00678

Date Collected: 3/15/07
Date Received: 3/16/07
Date(s) Analyzed: 3/27/07
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	**130**	1.5	**24**	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	**10**	1.5	**2.7**	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	**64**	1.5	**9.4**	0.23	
108-90-7	Chlorobenzene	ND	1.5	ND	0.33	
100-41-4	Ethylbenzene	**2.6**	1.5	**0.60**	0.35	
179601-23-1	*m,p*-Xylenes	**10**	1.5	**2.3**	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	**3.2**	1.5	**0.74**	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: RL Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2700726
CAS Sample ID: P070326-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: 3/26/07
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: RJ Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2700726
CAS Sample ID: P070326-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: 3/26/07
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: RW Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2700726
CAS Sample ID: P070327-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: 3/27/07
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: R.L. Date: 4/5/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2700726
CAS Sample ID: P070327-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: 3/27/07
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: Rec Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Project ID: WDI

CAS Project ID: P2700726

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: 3/14 - 3/15/07
Date Received: 3/16/07
Date Analyzed: 3/26 - 3/27/07

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	P070326-MB	90	80-120	99	80-120	105	80-120	
Method Blank	P070327-MB	90	80-120	99	80-120	104	80-120	
Lab Control Sample	P070326-LCS	93	80-120	98	80-120	105	80-120	
Lab Control Sample	P070327-LCS	92	80-120	97	80-120	104	80-120	
Duplicate Lab Control Sample	P070326-DLCS	94	80-120	98	80-120	104	80-120	
Duplicate Lab Control Sample	P070327-DLCS	92	80-120	97	80-120	106	80-120	
WDI-VW-55-S-3-14-07	P2700726-001	99	80-120	82	80-120	84	80-120	
WDI-VW-55-I-3-14-07	P2700726-002	92	80-120	94	80-120	100	80-120	
WDI-VW-55-I-3-14-07	P2700726-002DUP	88	80-120	96	80-120	102	80-120	
WDI-VW-55-I-3-14-07-SC	P2700726-003	89	80-120	96	80-120	101	80-120	
WDI-VW-55-D-3-14-07	P2700726-004	93	80-120	98	80-120	103	80-120	
WDI-VW-56-S-3-14-07	P2700726-005	90	80-120	99	80-120	105	80-120	
WDI-VW-56-I-3-14-07	P2700726-006	94	80-120	98	80-120	103	80-120	
WDI-VW-56-D-3-14-07	P2700726-007	89	80-120	97	80-120	97	80-120	
WDI-VW-58-S-3-14-07	P2700726-008	97	80-120	99	80-120	105	80-120	
WDI-VW-58-I-3-14-07	P2700726-009	92	80-120	98	80-120	104	80-120	
WDI-VW-58-D-3-14-07	P2700726-010	90	80-120	98	80-120	106	80-120	
WDI-VW-58-D-3-14-07	P2700726-010DUP	89	80-120	98	80-120	106	80-120	
WDI-VW-62-S-3-15-07	P2700726-011	95	80-120	99	80-120	103	80-120	
WDI-VW-62-S-3-15-07-SC	P2700726-012	101	80-120	99	80-120	104	80-120	
WDI-VW-62-I-3-15-07	P2700726-013	93	80-120	98	80-120	104	80-120	
WDI-VW-62-D-3-15-07	P2700726-014	91	80-120	99	80-120	104	80-120	

Verified By: Rc Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2700726
CAS Sample ID: P070326-LCS, P070326-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: 3/26/07
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	22.3	20.9	92	86	65-135	7	35	
Vinyl Chloride	24.8	24.4	24.7	98	100	65-135	2	35	
Bromomethane	25.0	23.1	23.1	92	92	65-135	0	35	
Chloroethane	25.0	19.1	22.8	76	91	65-135	18	35	
Acetone	26.5	22.0	22.8	83	86	65-135	4	35	
Trichlorofluoromethane	24.3	22.1	23.2	91	95	65-135	4	35	
1,1-Dichloroethene	27.3	25.0	26.0	92	95	65-135	3	35	
Methylene chloride	26.8	23.2	24.2	87	90	65-135	3	35	
Trichlorotrifluoroethane	27.0	24.9	25.6	92	95	65-135	3	35	
Carbon Disulfide	25.0	22.6	23.5	90	94	65-135	4	35	
trans-1,2-Dichloroethene	26.3	24.7	25.4	94	97	65-135	3	35	
1,1-Dichloroethane	26.3	24.6	25.6	94	97	65-135	3	35	
Methyl tert-Butyl Ether	26.3	25.1	25.5	95	97	65-135	2	35	
Vinyl Acetate	24.3	26.5	26.9	109	111	65-135	2	35	
2-Butanone (MEK)	26.8	25.0	25.6	93	96	65-135	3	35	
cis-1,2-Dichloroethene	26.5	24.6	25.3	93	95	65-135	2	35	
Chloroform	30.0	25.2	26.2	84	87	65-135	4	35	
1,2-Dichloroethane	26.0	23.8	24.1	92	93	65-135	1	35	
1,1,1-Trichloroethane	26.3	25.2	25.4	96	97	65-135	1	35	
Benzene	26.3	24.8	25.0	94	95	65-135	1	35	
Carbon Tetrachloride	25.8	26.1	25.9	101	100	65-135	1	35	
1,2-Dichloropropane	26.0	24.9	24.7	96	95	65-135	1	35	

Verified By: Ru Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2700726
CAS Sample ID: P070326-LCS, P070326-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: 3/26/07
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	26.8	26.4	97	96	65-135	1	35	
Trichloroethene	27.3	25.6	26.4	94	97	65-135	3	35	
cis-1,3-Dichloropropene	26.0	24.5	24.5	94	94	65-135	0	35	
4-Methyl-2-pentanone	26.5	27.0	26.7	102	101	65-135	1	35	
trans-1,3-Dichloropropene	27.8	27.7	27.6	100	99	65-135	1	35	
1,1,2-Trichloroethane	25.8	25.1	25.3	97	98	65-135	1	35	
Toluene	26.0	23.8	24.4	92	94	65-135	2	35	
2-Hexanone	26.0	24.4	24.4	94	94	65-135	0	35	
Dibromochloromethane	26.5	25.6	26.0	97	98	65-135	1	35	
1,2-Dibromoethane	26.0	24.5	25.3	94	97	65-135	3	35	
Tetrachloroethene	25.8	24.4	25.0	95	97	65-135	2	35	
Chlorobenzene	26.0	24.1	24.5	93	94	65-135	1	35	
Ethylbenzene	25.8	24.4	25.7	95	100	65-135	5	35	
m,p-Xylenes	61.5	58.5	61.2	95	100	65-135	5	35	
Bromoform	31.3	30.2	30.8	96	98	65-135	2	35	
Styrene	25.8	24.9	26.1	97	101	65-135	4	35	
o-Xylene	29.0	27.6	28.9	95	100	65-135	5	35	
1,1,2,2-Tetrachloroethane	29.3	28.1	28.4	96	97	65-135	1	35	
1,3-Dichlorobenzene	25.3	25.4	26.3	100	104	65-135	4	35	
1,4-Dichlorobenzene	26.0	26.0	27.2	100	105	65-135	5	35	
1,2-Dichlorobenzene	25.5	26.0	26.7	102	105	65-135	3	35	

Verified By: R.C. Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2700726
CAS Sample ID: P070327-LCS, P070327-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: 3/27/07
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	22.0	17.7	91	73	65-135	22	35	
Vinyl Chloride	24.8	23.0	21.2	93	85	65-135	9	35	
Bromomethane	25.0	22.2	20.0	89	80	65-135	11	35	
Chloroethane	25.0	22.6	18.5	90	74	65-135	20	35	
Acetone	26.5	22.2	19.2	84	72	65-135	15	35	
Trichlorofluoromethane	24.3	22.6	19.9	93	82	65-135	13	35	
1,1-Dichloroethene	27.3	25.0	21.9	92	80	65-135	14	35	
Methylene chloride	26.8	23.4	20.3	87	76	65-135	13	35	
Trichlorotrifluoroethane	27.0	24.9	21.6	92	80	65-135	14	35	
Carbon Disulfide	25.0	22.5	19.6	90	78	65-135	14	35	
trans-1,2-Dichloroethene	26.3	24.0	21.0	91	80	65-135	13	35	
1,1-Dichloroethane	26.3	24.5	21.5	93	82	65-135	13	35	
Methyl tert-Butyl Ether	26.3	24.6	21.8	94	83	65-135	12	35	
Vinyl Acetate	24.3	25.3	22.5	104	93	65-135	11	35	
2-Butanone (MEK)	26.8	24.4	21.6	91	81	65-135	12	35	
cis-1,2-Dichloroethene	26.5	24.4	21.1	92	80	65-135	14	35	
Chloroform	30.0	25.1	21.8	84	73	65-135	14	35	
1,2-Dichloroethane	26.0	23.3	20.2	90	78	65-135	14	35	
1,1,1-Trichloroethane	26.3	24.7	21.6	94	82	65-135	14	35	
Benzene	26.3	24.4	21.4	93	81	65-135	14	35	
Carbon Tetrachloride	25.8	25.3	21.9	98	85	65-135	14	35	
1,2-Dichloropropane	26.0	24.1	21.2	93	82	65-135	13	35	

Verified By: Rc Date: 4/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2700726
CAS Sample ID: P070327-LCS, P070327-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: 3/27/07
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	25.6	22.3	93	81	65-135	14	35	
Trichloroethene	27.3	25.7	22.4	94	82	65-135	14	35	
cis-1,3-Dichloropropene	26.0	23.9	21.0	92	81	65-135	13	35	
4-Methyl-2-pentanone	26.5	26.4	22.8	100	86	65-135	15	35	
trans-1,3-Dichloropropene	27.8	26.8	23.6	96	85	65-135	12	35	
1,1,2-Trichloroethane	25.8	24.7	21.6	96	84	65-135	13	35	
Toluene	26.0	24.1	20.8	93	80	65-135	15	35	
2-Hexanone	26.0	23.9	20.5	92	79	65-135	15	35	
Dibromochloromethane	26.5	24.9	21.9	94	83	65-135	12	35	
1,2-Dibromoethane	26.0	24.2	21.4	93	82	65-135	13	35	
Tetrachloroethene	25.8	23.9	21.2	93	82	65-135	13	35	
Chlorobenzene	26.0	24.1	20.9	93	80	65-135	15	35	
Ethylbenzene	25.8	24.4	21.0	95	81	65-135	16	35	
m,p-Xylenes	61.5	58.3	50.6	95	82	65-135	15	35	
Bromoform	31.3	29.3	25.9	94	83	65-135	12	35	
Styrene	25.8	24.9	21.4	97	83	65-135	16	35	
o-Xylene	29.0	27.6	24.0	95	83	65-135	13	35	
1,1,2,2-Tetrachloroethane	29.3	27.3	24.0	93	82	65-135	13	35	
1,3-Dichlorobenzene	25.3	24.8	21.4	98	85	65-135	14	35	
1,4-Dichlorobenzene	26.0	25.7	22.4	99	86	65-135	14	35	
1,2-Dichlorobenzene	25.5	25.2	22.1	99	87	65-135	13	35	

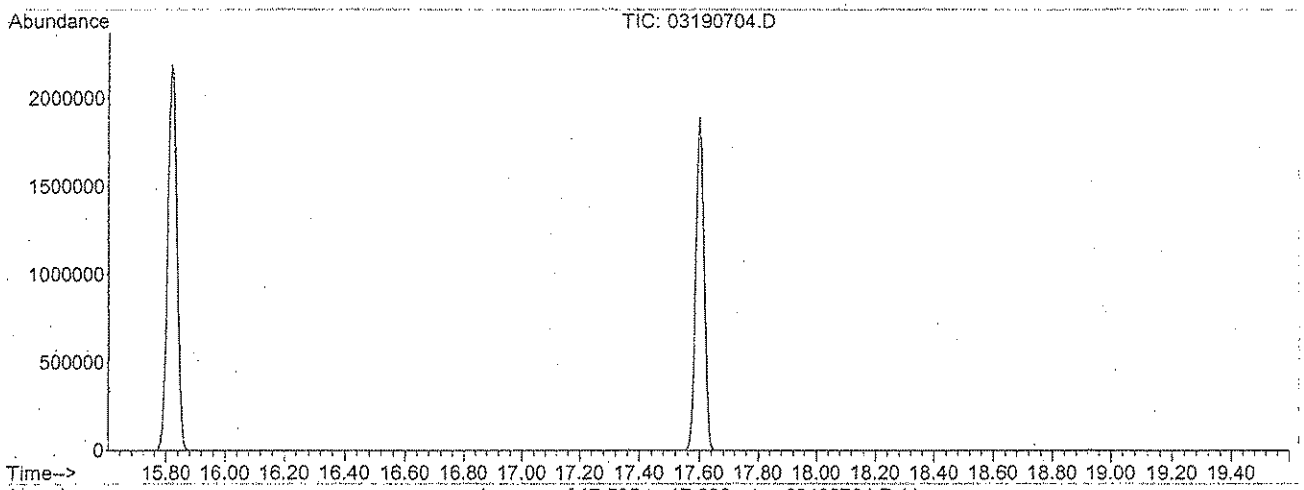
Verified By: RL Date: 4/2/07

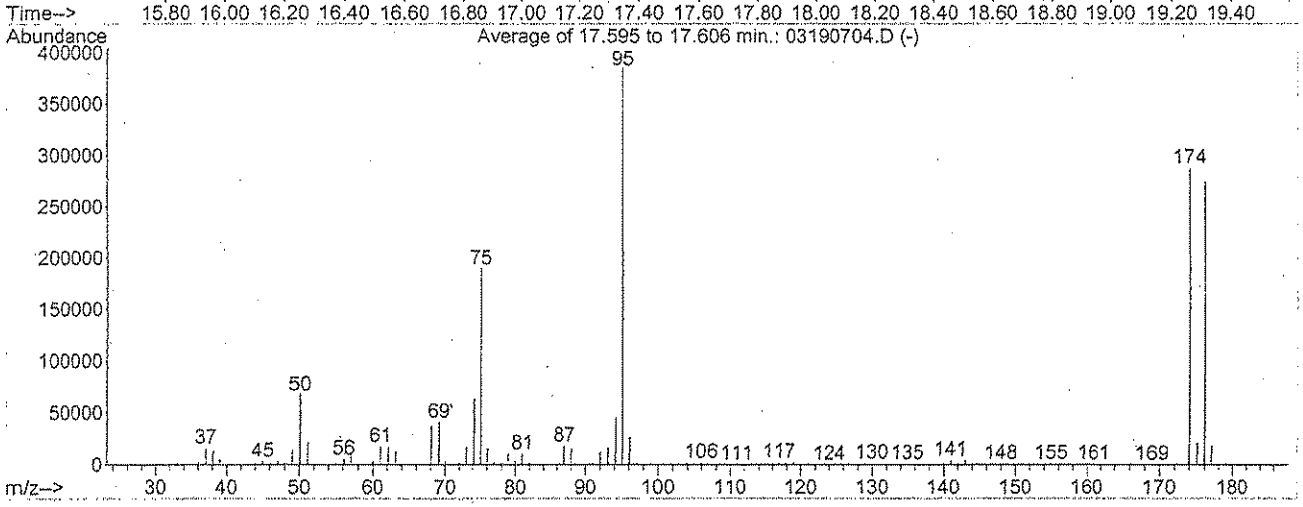
Data Path : J:\MS08\Data\2007_03\19\
Data File : 03190704.D
Acq On : 19 Mar 2007 11:38
Operator : LM/SC
Sample : 25ng BFB STD
Misc : S15-03150704
ALS Vial : 1 Sample Multiplier: 1

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

ICal





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

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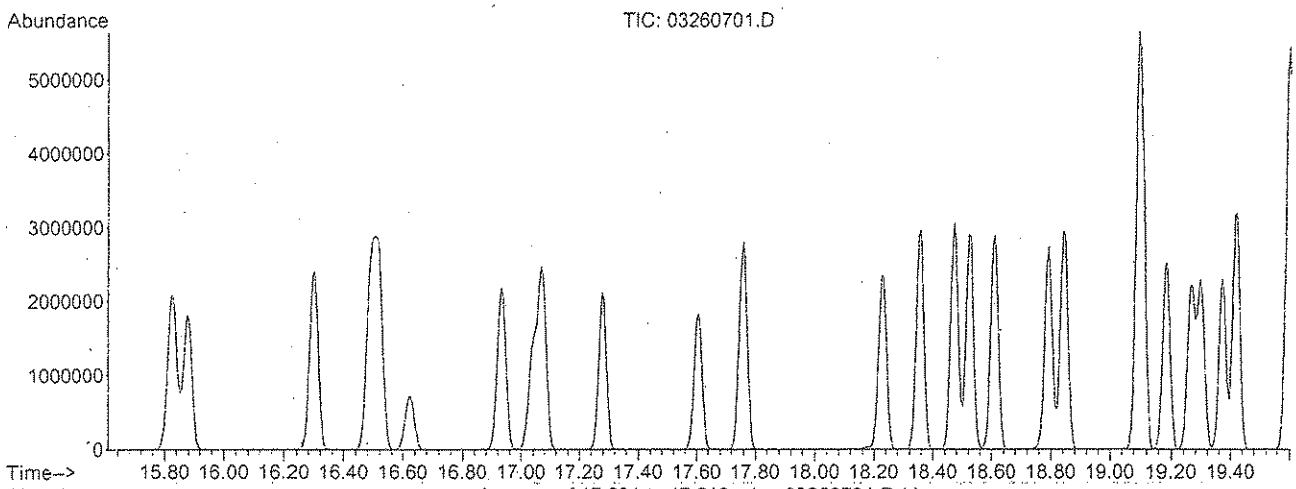
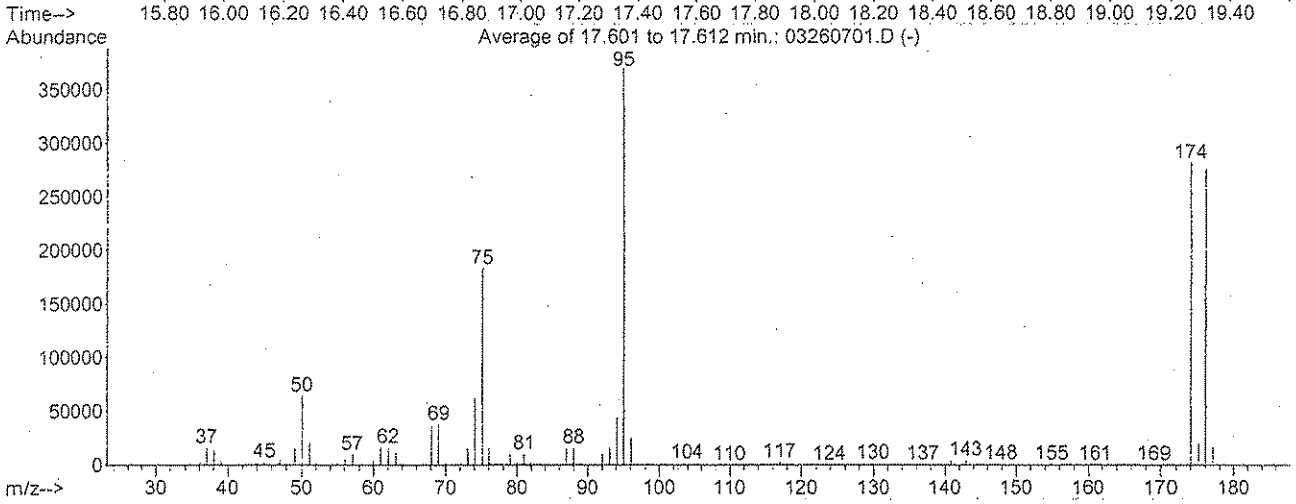
Data Path : J:\MS08\Data\2007_03\26\
Data File : 03260701.D
Acq On : 26 Mar 2007 8:52
Operator : LM/SC
Sample : 25ng TO-15 CCV STD
Misc : S15-03150704/S15-03070705
ALS Vial : 1 Sample Multiplier: 1

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	17.3	64064	PASS
75	95	30	66	49.4	182826	PASS
95	95	100	100	100.0	370048	PASS
96	95	5	9	6.7	24864	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	76.0	281258	PASS
175	174	4	9	7.1	19914	PASS
176	174	93	101	98.1	275797	PASS
177	176	5	9	6.1	16835	PASS

3/26/07
LM 3/27/07

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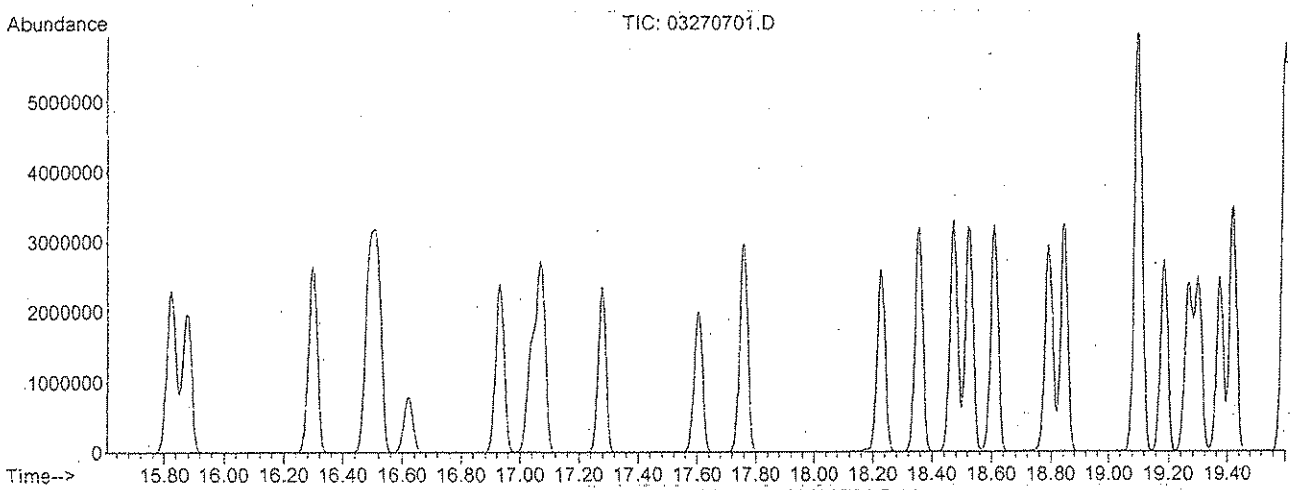
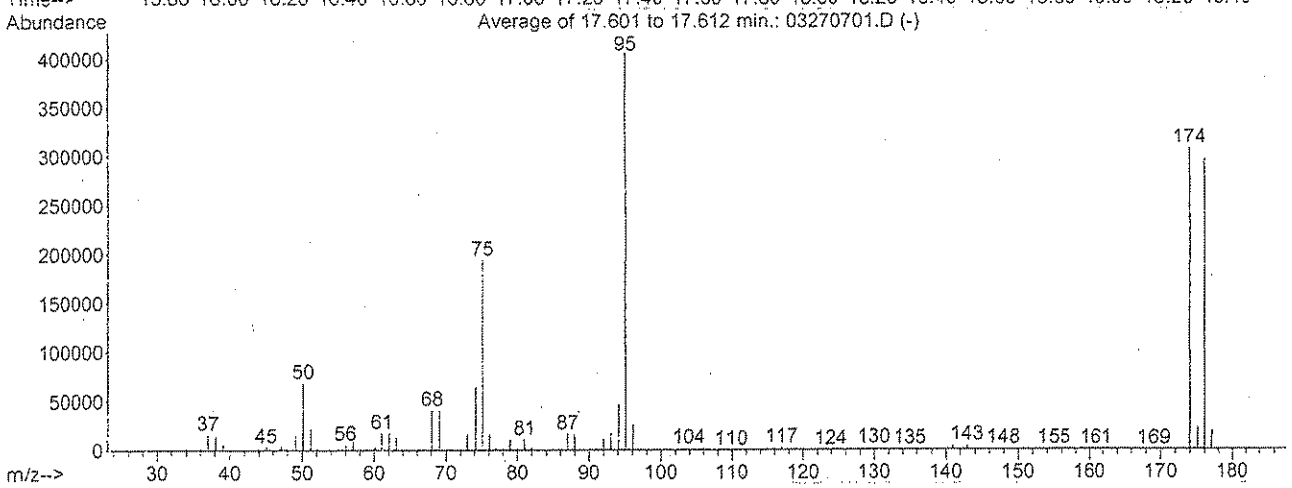
BFB

Data Path : J:\MS08\Data\2007_03\27\
Data File : 03270701.D
Acq On : 27 Mar 2007 7:54
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	68557	PASS
75	95	30	66	47.8	194410	PASS
95	95	100	100	100.0	406976	PASS
96	95	5	9	6.6	26834	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	75.6	307733	PASS
175	174	4	9	7.3	22514	PASS
176	174	93	101	96.7	297664	PASS
177	176	5	9	6.4	19135	PASS

3/27/07
3/27/07

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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

100

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\26\
Data File : 03260701.D
Acq On : 26 Mar 2007 8:52
Operator : LM/SC
Sample : 25ng TO-15 CCV STD
Misc : S15-03150704/S15-03070705
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 26 09:40:30 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	101	0.00
2	T	Propene	1.440	1.398	2.9	102	0.01
3	T	Dichlorodifluoromethane	3.114	2.963	4.8	100	0.01
4	T	Chloromethane	2.199	2.191	0.4	101	0.01
5	T	Freon 114	0.955	0.955	0.0	104	0.00
6	T	Vinyl Chloride	1.908	1.921	-0.7	105	0.01
7	T	1,3-Butadiene	1.400	1.463	-4.5	105	0.01
8	T	Bromomethane	1.162	1.073	7.7	96	0.00
9	T	Chloroethane	1.123	0.972	13.4	92	0.00
10	T	Ethanol	1.010	0.921	8.8	98	0.01
11	T	Acetonitrile	2.482	2.412	2.8	96	0.00
12	T	Acrolein	0.805	0.791	1.7	96	0.01
13	T	Acetone	1.285	1.054	18.0	97	0.00
14	T	Trichlorofluoromethane	2.146	1.990	7.3	97	0.00
15	T	Isopropanol	3.325	3.018	9.2	94	0.01
16	T	Acrylonitrile	1.744	1.635	6.2	95	0.00
17	T	1,1-Dichloroethene	1.317	1.199	9.0	93	0.01
18	T	tert-Butanol	3.244	3.297	-1.6	104	0.00
19	T	Methylene Chloride	1.540	1.338	13.1	96	0.01
20	T	Allyl Chloride	1.629	1.610	1.2	94	0.00
21	T	Trichlorotrifluoroethane	1.147	1.036	9.7	95	0.00
22	T	Carbon Disulfide	5.764	5.179	10.1	98	0.00
23	T	trans-1,2-Dichloroethene	2.073	1.894	8.6	94	0.00
24	T	1,1-Dichloroethane	2.093	1.922	8.2	95	0.00
25	T	Methyl tert-Butyl Ether	4.336	4.003	7.7	95	0.00
26	T	Vinyl Acetate	0.292	0.324	-11.0	102	0.01
27	T	2-Butanone	0.989	0.907	8.3	95	0.00
28	T	cis-1,2-Dichloroethene	1.894	1.752	7.5	96	0.00
29	T	Diisopropyl Ether	1.154	1.064	7.8	95	0.00
30	T	Ethyl Acetate	0.477	0.441	7.5	93	0.00
31	T	n-Hexane	2.267	2.052	9.5	95	0.00
32	T	Chloroform	2.136	1.876	12.2	96	0.00
33	S	1,2-Dichloroethane-d4(SS1)	1.764	1.754	0.6	100	0.00
34	T	Tetrahydrofuran	0.881	0.833	5.4	93	0.00
35	T	Ethyl tert-Butyl Ether	1.712	1.608	6.1	97	0.00
36	T	1,2-Dichloroethane	1.970	1.856	5.8	97	0.00
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	102	0.00
38	T	1,1,1-Trichloroethane	0.519	0.488	6.0	97	0.00
39	T	Isopropyl Acetate	0.193	0.181	6.2	93	0.00
40	T	1-Butanol	0.221	0.246	-11.3	95	0.00
41	T	Benzene	1.223	1.127	7.8	96	0.00
42	T	Carbon Tetrachloride	0.399	0.399	0.0	96	0.00
43	T	Cyclohexane	0.478	0.430	10.0	96	0.00
44	T	tert-Amyl Methyl Ether	0.894	0.844	5.6	97	0.00
45	T	1,2-Dichloropropane	0.304	0.282	7.2	97	0.00
46	T	Bromodichloromethane	0.420	0.399	5.0	97	0.00
47	T	Trichloroethene	0.305	0.282	7.5	97	0.00
48	T	1,4-Dioxane	0.228	0.219	3.9	96	0.00
49	T	Isooctane	1.204	1.119	7.1	96	0.00
50	T	Methyl Methacrylate	0.118	0.120	-1.7	98	0.00
51	T	n-Heptane	0.303	0.286	5.6	97	0.00

3/26/07
LM 3/27/07

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2007_03\26\
Data File : 03260701.D
Acq On : 26 Mar 2007 8:52
Operator : LM/SC
Sample : 25ng TO-15 CCV STD
Misc : S15-03150704/S15-03070705
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 26 09:40:30 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	0.481	3.6	96	0.00
53	T	4-Methyl-2-pentanone	0.259	0.252	2.7	96	0.00
54	T	trans-1,3-Dichloropropene	0.465	0.454	2.4	98	0.00
55	T	1,1,2-Trichloroethane	0.302	0.287	5.0	98	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	104	0.00
57	S	Toluene-d8 (SS2)	2.168	2.141	1.2	103	0.00
58	T	Toluene	2.486	2.257	9.2	97	0.00
59	T	2-Hexanone	1.273	1.181	7.2	95	0.00
60	T	Dibromochloromethane	0.659	0.634	3.8	100	0.00
61	T	1,2-Dibromoethane	0.682	0.643	5.7	98	0.00
62	T	Butyl Acetate	1.380	1.330	3.6	95	0.00
63	T	n-Octane	0.494	0.457	7.5	97	0.00
64	T	Tetrachloroethene	0.594	0.565	4.9	101	0.00
65	T	Chlorobenzene	1.596	1.466	8.1	99	0.00
66	T	Ethylbenzene	2.824	2.661	5.8	98	0.00
67	T	m- & p-Xylene	1.823	1.700	6.7	98	-0.01
68	T	Bromoform	0.420	0.422	-0.5	100	0.00
69	T	Styrene	1.636	1.588	2.9	98	0.00
70	T	o-Xylene	1.963	1.852	5.7	98	0.00
71	T	n-Nonane	1.091	1.014	7.1	95	0.00
72	T	1,1,2,2-Tetrachloroethane	0.921	0.881	4.3	97	0.00
73	S	Bromofluorobenzene (SS3)	0.661	0.690	-4.4	108	0.00
74	T	Cumene	2.601	2.483	4.5	98	0.00
75	T	alpha-Pinene	1.355	1.323	2.4	98	0.00
76	T	n-Propylbenzene	3.402	3.263	4.1	98	0.00
77	T	3-Ethyltoluene	2.788	2.704	3.0	99	0.00
78	T	4-Ethyltoluene	2.564	2.445	4.6	97	0.00
79	T	1,3,5-Trimethylbenzene	2.233	2.169	2.9	98	0.00
80	T	alpha-Methylstyrene	1.142	1.166	-2.1	96	0.00
81	T	2-Ethyltoluene	2.787	2.704	3.0	98	0.00
82	T	1,2,4-Trimethylbenzene	2.187	2.135	2.4	98	0.00
83	T	n-Decane	1.110	1.085	2.3	97	0.00
84	T	Benzyl Chloride	2.041	2.096	-2.7	97	0.00
85	T	1,3-Dichlorobenzene	1.224	1.214	0.8	99	0.00
86	T	1,4-Dichlorobenzene	1.199	1.183	1.3	99	0.00
87	T	sec-Butylbenzene	2.960	2.902	2.0	97	0.00
88	T	p-Isopropyltoluene	2.325	2.321	0.2	98	0.00
89	T	1,2,3-Trimethylbenzene	2.101	2.078	1.1	97	0.00
90	T	1,2-Dichlorobenzene	1.116	1.111	0.4	98	0.00
91	T	d-Limonene	0.814	0.812	0.2	95	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.360	0.438	-21.7	101	0.00
93	T	n-Undecane	0.828	0.920	-11.1	99	0.00
94	T	1,2,4-Trichlorobenzene	0.203	0.253	-24.6	102	0.00
95	T	Naphthalene	2.134	2.723	-27.6	101	0.00
96	T	n-Dodecane	0.613	0.732	-19.4	100	0.00
97	T	Hexachloro-1,3-butadiene	0.332	0.419	-26.2	102	0.00

3/26/07
LM 3/27/07

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

103

Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2007_03\26\
Data File : 03260703.D
Acq On : 26 Mar 2007 10:29
Operator : LM/SC
Sample : 1ng TO-15 CCV STD
Misc : S15-03150704/S15-03070705
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 26 10:56:49 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	93	-0.02
2	T	Propene	1.440	1.456	-1.1	89	0.03
3	T	Dichlorodifluoromethane	3.114	3.161	-1.5	87	0.02
4	T	Chloromethane	2.199	2.198	0.0	86	0.01
5	T	Freon 114	0.955	1.000	-4.7	88	0.01
6	T	Vinyl Chloride	1.908	2.067	-8.3	93	0.00
7	T	1,3-Butadiene	1.400	1.548	-10.6	101	0.00
8	T	Bromomethane	1.162	1.185	-2.0	95	0.00
9	T	Chloroethane	1.123	0.964	14.2	74	0.00
10	T	Ethanol	1.010	0.916	9.3	81	-0.03
11	T	Acetonitrile	2.482	2.374	4.4	90	-0.02
12	T	Acrolein	0.805	0.761	5.5	99	0.00
13	T	Acetone	1.285	1.494	-16.3	93	-0.02
14	T	Trichlorofluoromethane	2.146	2.166	-0.9	89	0.00
15	T	Isopropanol	3.325	3.497	-5.2	86	-0.03
16	T	Acrylonitrile	1.744	1.598	8.4	87	-0.02
17	T	1,1-Dichloroethene	1.317	1.284	2.5	90	0.00
18	T	tert-Butanol	3.244	3.502	-8.0	90	0.08
19	T	Methylene Chloride	1.540	1.566	-1.7	88	-0.02
20	T	Allyl Chloride	1.629	1.466	10.0	91	-0.01
21	T	Trichlorotrifluoroethane	1.147	1.137	0.9	88	0.00
22	T	Carbon Disulfide	5.764	6.396	-11.0	96	0.00
23	T	trans-1,2-Dichloroethene	2.073	2.061	0.6	87	-0.02
24	T	1,1-Dichloroethane	2.093	2.113	-1.0	88	-0.02
25	T	Methyl tert-Butyl Ether	4.336	4.327	0.2	90	0.00
26	T	Vinyl Acetate	0.292	0.275	5.8	107	-0.01
27	T	2-Butanone	0.989	1.030	-4.1	93	-0.02
28	T	cis-1,2-Dichloroethene	1.894	1.895	-0.1	90	-0.02
29	T	Diisopropyl Ether	1.154	1.160	-0.5	90	0.00
30	T	Ethyl Acetate	0.477	0.501	-5.0	94	-0.02
31	T	n-Hexane	2.267	2.357	-4.0	92	-0.01
32	T	Chloroform	2.136	2.274	-6.5	89	-0.03
33	S	1,2-Dichloroethane-d4(SS1)	1.764	1.806	-2.4	92	-0.02
34	T	Tetrahydrofuran	0.881	0.966	-9.6	94	0.00
35	T	Ethyl tert-Butyl Ether	1.712	1.709	0.2	91	0.00
36	T	1,2-Dichloroethane	1.970	2.024	-2.7	88	-0.02
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	94	-0.01
38	T	1,1,1-Trichloroethane	0.519	0.531	-2.3	93	-0.01
39	T	Isopropyl Acetate	0.193	0.184	4.7	85	0.00
40	T	1-Butanol	0.221	0.188	14.9	100	0.02
41	T	Benzene	1.223	1.222	0.1	89	-0.02
42	T	Carbon Tetrachloride	0.399	0.328	17.8	84	-0.02
43	T	Cyclohexane	0.478	0.498	-4.2	91	-0.02
44	T	tert-Amyl Methyl Ether	0.894	0.876	2.0	90	0.00
45	T	1,2-Dichloropropane	0.304	0.299	1.6	86	-0.01
46	T	Bromodichloromethane	0.420	0.397	5.5	86	-0.01
47	T	Trichloroethene	0.305	0.312	-2.3	89	-0.01
48	T	1,4-Dioxane	0.228	0.227	0.4	90	0.00
49	T	Isooctane	1.204	1.223	-1.6	89	-0.01
50	T	Methyl Methacrylate	0.118	0.113	4.2	98	0.00
51	T	n-Heptane	0.303	0.302	0.3	87	-0.01

E 3/26/07

LM 3/27/07

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2007_03\26\
Data File : 03260703.D
Acq On : 26 Mar 2007 10:29
Operator : LM/SC
Sample : 1ng TO-15 CCV STD
Misc : S15-03150704/S15-03070705
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 26 10:56:49 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	0.508	-1.8	95	-0.01
53 T	4-Methyl-2-pentanone	0.259	0.267	-3.1	95	0.00
54 T	trans-1,3-Dichloropropene	0.465	0.454	2.4	93	0.00
55 T	1,1,2-Trichloroethane	0.302	0.303	-0.3	92	0.00
56 I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	97	0.00
57 S	Toluene-d8 (SS2)	2.168	2.134	1.6	95	-0.01
58 T	Toluene	2.486	2.515	-1.2	90	-0.01
59 T	2-Hexanone	1.273	1.261	0.9	92	-0.01
60 T	Dibromochloromethane	0.659	0.632	4.1	89	0.00
61 T	1,2-Dibromoethane	0.682	0.674	1.2	96	-0.01
62 T	Butyl Acetate	1.380	1.338	3.0	97	-0.01
63 T	n-Octane	0.494	0.506	-2.4	92	-0.01
64 T	Tetrachloroethene	0.594	0.632	-6.4	94	0.00
65 T	Chlorobenzene	1.596	1.620	-1.5	91	-0.01
66 T	Ethylbenzene	2.824	2.864	-1.4	93	0.00
67 T	m- & p-Xylene	1.823	1.858	-1.9	93	-0.01
68 T	Bromoform	0.420	0.416	1.0	96	-0.01
69 T	Styrene	1.636	1.618	1.1	95	0.00
70 T	o-Xylene	1.963	2.044	-4.1	96	-0.01
71 T	n-Nonane	1.091	1.097	-0.5	90	0.00
72 T	1,1,2,2-Tetrachloroethane	0.921	0.960	-4.2	96	-0.01
73 S	Bromofluorobenzene (SS3)	0.661	0.694	-5.0	104	0.00
74 T	Cumene	2.601	2.653	-2.0	95	0.00
75 T	alpha-Pinene	1.355	1.353	0.1	93	0.00
76 T	n-Propylbenzene	3.402	3.478	-2.2	92	0.00
77 T	3-Ethyltoluene	2.788	2.848	-2.2	95	0.00
78 T	4-Ethyltoluene	2.564	2.770	-8.0	98	0.00
79 T	1,3,5-Trimethylbenzene	2.233	2.406	-7.7	98	0.00
80 T	alpha-Methylstyrene	1.142	1.149	-0.6	100	0.00
81 T	2-Ethyltoluene	2.787	2.942	-5.6	95	0.00
82 T	1,2,4-Trimethylbenzene	2.187	2.384	-9.0	98	-0.01
83 T	n-Decane	1.110	1.193	-7.5	96	0.00
84 T	Benzyl Chloride	2.041	2.073	-1.6	100	-0.01
85 T	1,3-Dichlorobenzene	1.224	1.343	-9.7	97	-0.01
86 T	1,4-Dichlorobenzene	1.199	1.338	-11.6	101	0.00
87 T	sec-Butylbenzene	2.960	3.229	-9.1	98	0.00
88 T	p-Isopropyltoluene	2.325	2.586	-11.2	99	0.00
89 T	1,2,3-Trimethylbenzene	2.101	2.334	-11.1	99	0.00
90 T	1,2-Dichlorobenzene	1.116	1.291	-15.7	103	0.00
91 T	d-Limonene	0.814	0.857	-5.3	99	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.360	0.393	-9.2	134	0.00
93 T	n-Undecane	0.828	1.075	-29.8	126	0.00
94 T	1,2,4-Trichlorobenzene	0.203	0.258	-27.1	154	0.00
95 T	Naphthalene	2.134	2.794	-30.9#	159	0.00
96 T	n-Dodecane	0.613	1.083	-76.7#	189	0.00
97 T	Hexachloro-1,3-butadiene	0.332	0.425	-28.0	165	0.00

3/26/07
LM 3/27/07

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

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\DATA\2007_03\26\
Data File : 03260718.D
Acq On : 26 Mar 2007 20:21
Operator : LM/SC
Sample : 25ng TO-15 CCV STD
Misc : S15-03150704/S15-03070705
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 27 09:18:09 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	128	0.00
2	T	Propene	1.440	1.214	15.7	112	0.00
3	T	Dichlorodifluoromethane	3.114	2.586	17.0	111	0.00
4	T	Chloromethane	2.199	1.805	17.9	105	0.00
5	T	Freon 114	0.955	0.813	14.9	112	0.00
6	T	Vinyl Chloride	1.908	1.616	15.3	112	0.00
7	T	1,3-Butadiene	1.400	1.235	11.8	113	0.00
8	T	Bromomethane	1.162	1.001	13.9	114	0.00
9	T	Chloroethane	1.123	0.885	21.2	106	0.00
10	T	Ethanol	1.010	0.909	10.0	122	0.00
11	T	Acetonitrile	2.482	2.383	4.0	120	0.00
12	T	Acrolein	0.805	0.797	1.0	123	0.00
13	T	Acetone	1.285	1.053	18.1	122	0.00
14	T	Trichlorofluoromethane	2.146	1.924	10.3	118	0.00
15	T	Isopropanol	3.325	2.939	11.6	116	0.00
16	T	Acrylonitrile	1.744	1.644	5.7	120	0.00
17	T	1,1-Dichloroethene	1.317	1.229	6.7	121	0.00
18	T	tert-Butanol	3.244	2.998	7.6	120	0.00
19	T	Methylene Chloride	1.540	1.352	12.2	122	0.00
20	T	Allyl Chloride	1.629	1.625	0.2	120	0.00
21	T	Trichlorotrifluoroethane	1.147	1.069	6.8	124	0.00
22	T	Carbon Disulfide	5.764	5.071	12.0	122	0.00
23	T	trans-1,2-Dichloroethene	2.073	1.924	7.2	121	0.00
24	T	1,1-Dichloroethane	2.093	1.897	9.4	118	0.00
25	T	Methyl tert-Butyl Ether	4.336	4.043	6.8	121	0.00
26	T	Vinyl Acetate	0.292	0.321	-9.9	127	0.00
27	T	2-Butanone	0.989	0.928	6.2	123	0.00
28	T	cis-1,2-Dichloroethene	1.894	1.741	8.1	120	0.00
29	T	Diisopropyl Ether	1.154	1.085	6.0	123	0.00
30	T	Ethyl Acetate	0.477	0.447	6.3	120	0.00
31	T	n-Hexane	2.267	2.063	9.0	120	0.00
32	T	Chloroform	2.136	1.840	13.9	119	0.00
33	S	1,2-Dichloroethane-d4(SS1)	1.764	1.711	3.0	123	0.00
34	T	Tetrahydrofuran	0.881	0.831	5.7	117	0.00
35	T	Ethyl tert-Butyl Ether	1.712	1.628	4.9	124	0.00
36	T	1,2-Dichloroethane	1.970	1.793	9.0	119	0.00
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	131	0.00
38	T	1,1,1-Trichloroethane	0.519	0.476	8.3	121	0.00
39	T	Isopropyl Acetate	0.193	0.185	4.1	122	0.00
40	T	1-Butanol	0.221	0.243	-10.0	120	0.00
41	T	Benzene	1.223	1.116	8.7	122	0.00
42	T	Carbon Tetrachloride	0.399	0.381	4.5	118	0.00
43	T	Cyclohexane	0.478	0.427	10.7	122	0.00
44	T	tert-Amyl Methyl Ether	0.894	0.833	6.8	123	0.00
45	T	1,2-Dichloropropane	0.304	0.278	8.6	122	0.00
46	T	Bromodichloromethane	0.420	0.386	8.1	120	0.00
47	T	Trichloroethene	0.305	0.280	8.2	123	0.00
48	T	1,4-Dioxane	0.228	0.217	4.8	122	0.00
49	T	Isooctane	1.204	1.109	7.9	122	0.00
50	T	Methyl Methacrylate	0.118	0.119	-0.8	124	0.00
51	T	n-Heptane	0.303	0.285	5.9	123	0.00

3/27/07
3/27/07

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\DATA\2007_03\26\
Data File : 03260718.D
Acq On : 26 Mar 2007 20:21
Operator : LM/SC
Sample : 25ng TO-15 CCV STD
Misc : S15-03150704/S15-03070705
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 27 09:18:09 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	0.469	6.0	120	0.00
53	T	4-Methyl-2-pentanone	0.259	0.250	3.5	121	0.00
54	T	trans-1,3-Dichloropropene	0.465	0.438	5.8	120	0.00
55	T	1,1,2-Trichloroethane	0.302	0.280	7.3	123	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	131	0.00
57	S	Toluene-d8 (SS2)	2.168	2.144	1.1	130	0.00
58	T	Toluene	2.486	2.258	9.2	122	0.00
59	T	2-Hexanone	1.273	1.177	7.5	118	0.00
60	T	Dibromochloromethane	0.659	0.614	6.8	121	0.00
61	T	1,2-Dibromoethane	0.682	0.643	5.7	123	0.00
62	T	Butyl Acetate	1.380	1.322	4.2	119	0.00
63	T	n-Octane	0.494	0.454	8.1	121	0.00
64	T	Tetrachloroethene	0.594	0.552	7.1	123	0.00
65	T	Chlorobenzene	1.596	1.465	8.2	124	0.00
66	T	Ethylbenzene	2.824	2.639	6.6	122	0.00
67	T	m- & p-Xylene	1.823	1.684	7.6	121	0.00
68	T	Bromoform	0.420	0.407	3.1	121	0.00
69	T	Styrene	1.636	1.578	3.5	122	0.00
70	T	o-Xylene	1.963	1.829	6.8	122	0.00
71	T	n-Nonane	1.091	1.008	7.6	119	0.00
72	T	1,1,2,2-Tetrachloroethane	0.921	0.867	5.9	119	0.00
73	S	Bromofluorobenzene (SS3)	0.661	0.670	-1.4	131	0.00
74	T	Cumene	2.601	2.440	6.2	120	0.00
75	T	alpha-Pinene	1.355	1.294	4.5	121	0.00
76	T	n-Propylbenzene	3.402	3.169	6.8	119	0.00
77	T	3-Ethyltoluene	2.788	2.635	5.5	121	0.00
78	T	4-Ethyltoluene	2.564	2.417	5.7	120	0.00
79	T	1,3,5-Trimethylbenzene	2.233	2.112	5.4	120	0.00
80	T	alpha-Methylstyrene	1.142	1.130	1.1	117	0.00
81	T	2-Ethyltoluene	2.787	2.644	5.1	120	0.00
82	T	1,2,4-Trimethylbenzene	2.187	2.059	5.9	118	0.00
83	T	n-Decane	1.110	1.062	4.3	119	0.00
84	T	Benzyl Chloride	2.041	2.027	0.7	118	0.00
85	T	1,3-Dichlorobenzene	1.224	1.164	4.9	119	0.00
86	T	1,4-Dichlorobenzene	1.199	1.139	5.0	119	0.00
87	T	sec-Butylbenzene	2.960	2.791	5.7	117	0.00
88	T	p-Isopropyltoluene	2.325	2.216	4.7	117	0.00
89	T	1,2,3-Trimethylbenzene	2.101	1.994	5.1	117	0.00
90	T	1,2-Dichlorobenzene	1.116	1.056	5.4	117	0.00
91	T	d-Limonene	0.814	0.783	3.8	115	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.360	0.417	-15.8	121	0.00
93	T	n-Undecane	0.828	0.878	-6.0	119	0.00
94	T	1,2,4-Trichlorobenzene	0.203	0.235	-15.8	120	0.00
95	T	Naphthalene	2.134	2.526	-18.4	118	0.00
96	T	n-Dodecane	0.613	0.690	-12.6	118	0.00
97	T	Hexachloro-1,3-butadiene	0.332	0.396	-19.3	121	0.00

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

E 3/27/07
LM 3/27/07

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2007_03\27\
Data File : 03270701.D
Acq On : 27 Mar 2007 7:54
Operator : LM/SC
Sample : 25ng TO-15 CCV STD
Misc : S15-03150704/S15-03070705
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 27 09:44:59 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	115	0.00
2	T	Propene	1.440	1.282	11.0	106	0.00
3	T	Dichlorodifluoromethane	3.114	2.812	9.7	108	0.00
4	T	Chloromethane	2.199	2.033	7.5	106	0.00
5	T	Freon 114	0.955	0.933	2.3	116	0.00
6	T	Vinyl Chloride	1.908	1.871	1.9	116	0.00
7	T	1,3-Butadiene	1.400	1.393	0.5	114	0.00
8	T	Bromomethane	1.162	1.074	7.6	109	0.00
9	T	Chloroethane	1.123	0.900	19.9	97	0.00
10	T	Ethanol	1.010	0.888	12.1	107	0.00
11	T	Acetonitrile	2.482	2.294	7.6	103	0.00
12	T	Acrolein	0.805	0.767	4.7	106	0.00
13	T	Acetone	1.285	1.021	20.5	106	0.00
14	T	Trichlorofluoromethane	2.146	1.950	9.1	107	0.00
15	T	Isopropanol	3.325	2.891	13.1	103	0.00
16	T	Acrylonitrile	1.744	1.603	8.1	105	0.00
17	T	1,1-Dichloroethene	1.317	1.203	8.7	106	0.00
18	T	tert-Butanol	3.244	3.163	2.5	113	0.00
19	T	Methylene Chloride	1.540	1.332	13.5	108	0.00
20	T	Allyl Chloride	1.629	1.582	2.9	105	0.00
21	T	Trichlorotrifluoroethane	1.147	1.045	8.9	108	0.00
22	T	Carbon Disulfide	5.764	5.012	13.0	108	0.00
23	T	trans-1,2-Dichloroethene	2.073	1.874	9.6	105	0.00
24	T	1,1-Dichloroethane	2.093	1.906	8.9	106	0.00
25	T	Methyl tert-Butyl Ether	4.336	4.013	7.4	107	0.00
26	T	Vinyl Acetate	0.292	0.323	-10.6	115	0.00
27	T	2-Butanone	0.989	0.894	9.6	106	0.00
28	T	cis-1,2-Dichloroethene	1.894	1.708	9.8	106	0.00
29	T	Diisopropyl Ether	1.154	1.057	8.4	107	0.00
30	T	Ethyl Acetate	0.477	0.433	9.2	104	0.00
31	T	n-Hexane	2.267	2.016	11.1	105	0.00
32	T	Chloroform	2.136	1.859	13.0	108	0.00
33	S	1,2-Dichloroethane-d4(SS1)	1.764	1.734	1.7	112	0.00
34	T	Tetrahydrofuran	0.881	0.819	7.0	103	0.00
35	T	Ethyl tert-Butyl Ether	1.712	1.604	6.3	109	0.00
36	T	1,2-Dichloroethane	1.970	1.810	8.1	107	0.00
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	116	0.00
38	T	1,1,1-Trichloroethane	0.519	0.481	7.3	108	0.00
39	T	Isopropyl Acetate	0.193	0.180	6.7	105	0.00
40	T	1-Butanol	0.221	0.239	-8.1	104	0.00
41	T	Benzene	1.223	1.100	10.1	106	0.00
42	T	Carbon Tetrachloride	0.399	0.393	1.5	107	0.00
43	T	Cyclohexane	0.478	0.425	11.1	107	0.00
44	T	tert-Amyl Methyl Ether	0.894	0.828	7.4	108	0.00
45	T	1,2-Dichloropropane	0.304	0.275	9.5	106	0.00
46	T	Bromodichloromethane	0.420	0.387	7.9	107	0.00
47	T	Trichloroethene	0.305	0.281	7.9	110	0.00
48	T	1,4-Dioxane	0.228	0.216	5.3	108	0.00
49	T	Isooctane	1.204	1.084	10.0	106	0.00
50	T	Methyl Methacrylate	0.118	0.118	0.0	108	0.00
51	T	n-Heptane	0.303	0.280	7.6	107	0.00

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LM 3/27/07

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2007_03\27\
Data File : 03270701.D
Acq On : 27 Mar 2007 7:54
Operator : LM/SC
Sample : 25ng TO-15 CCV STD
Misc : S15-03150704/S15-03070705
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 27 09:44:59 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	107	0.00
53	T	4-Methyl-2-pentanone	0.259	0.246	5.0	105	0.00
54	T	trans-1,3-Dichloropropene	0.465	0.443	4.7	108	0.00
55	T	1,1,2-Trichloroethane	0.302	0.279	7.6	108	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	115	0.00
57	S	Toluene-d8 (SS2)	2.168	2.145	1.1	115	0.00
58	T	Toluene	2.486	2.255	9.3	107	0.00
59	T	2-Hexanone	1.273	1.166	8.4	103	0.00
60	T	Dibromochloromethane	0.659	0.626	5.0	109	0.00
61	T	1,2-Dibromoethane	0.682	0.642	5.9	108	0.00
62	T	Butyl Acetate	1.380	1.298	5.9	103	0.00
63	T	n-Octane	0.494	0.448	9.3	105	0.00
64	T	Tetrachloroethene	0.594	0.560	5.7	110	0.00
65	T	Chlorobenzene	1.596	1.463	8.3	109	0.00
66	T	Ethylbenzene	2.824	2.642	6.4	108	0.00
67	T	m- & p-Xylene	1.823	1.694	7.1	108	0.00
68	T	Bromoform	0.420	0.419	0.2	110	0.00
69	T	Styrene	1.636	1.586	3.1	108	0.00
70	T	o-Xylene	1.963	1.839	6.3	108	0.00
71	T	n-Nonane	1.091	0.985	9.7	103	0.00
72	T	1,1,2,2-Tetrachloroethane	0.921	0.868	5.8	105	0.00
73	S	Bromofluorobenzene (SS3)	0.661	0.685	-3.6	118	0.00
74	T	Cumene	2.601	2.453	5.7	107	0.00
75	T	alpha-Pinene	1.355	1.302	3.9	107	0.00
76	T	n-Propylbenzene	3.402	3.201	5.9	106	0.00
77	T	3-Ethyltoluene	2.788	2.677	4.0	108	0.00
78	T	4-Ethyltoluene	2.564	2.414	5.9	106	0.00
79	T	1,3,5-Trimethylbenzene	2.233	2.143	4.0	107	0.00
80	T	alpha-Methylstyrene	1.142	1.141	0.1	104	0.00
81	T	2-Ethyltoluene	2.787	2.672	4.1	107	0.00
82	T	1,2,4-Trimethylbenzene	2.187	2.087	4.6	106	0.00
83	T	n-Decane	1.110	1.061	4.4	105	0.00
84	T	Benzyl Chloride	2.041	2.050	-0.4	105	0.00
85	T	1,3-Dichlorobenzene	1.224	1.186	3.1	107	0.00
86	T	1,4-Dichlorobenzene	1.199	1.158	3.4	107	0.00
87	T	sec-Butylbenzene	2.960	2.843	4.0	105	0.00
88	T	p-Isopropyltoluene	2.325	2.246	3.4	105	0.00
89	T	1,2,3-Trimethylbenzene	2.101	2.028	3.5	105	0.00
90	T	1,2-Dichlorobenzene	1.116	1.078	3.4	105	0.00
91	T	d-Limonene	0.814	0.781	4.1	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.360	0.418	-16.1	106	0.00
93	T	n-Undecane	0.828	0.880	-6.3	105	0.00
94	T	1,2,4-Trichlorobenzene	0.203	0.240	-18.2	108	0.00
95	T	Naphthalene	2.134	2.604	-22.0	107	0.00
96	T	n-Dodecane	0.613	0.701	-14.4	106	0.00
97	T	Hexachloro-1,3-butadiene	0.332	0.399	-20.2	108	0.00

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

3/27/07
LM 3/27/07

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2007_03\27\
Data File : 03270703.D
Acq On : 27 Mar 2007 9:28
Operator : LM/SC
Sample : 1ng TO-15 CCV STD
Misc : S15-03150704/S15-03070705
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 27 09:56:07 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	103	-0.03
2	T	Propene	1.440	1.405	2.4	95	0.02
3	T	Dichlorodifluoromethane	3.114	3.080	1.1	93	0.02
4	T	Chloromethane	2.199	2.101	4.5	91	0.00
5	T	Freon 114	0.955	0.988	-3.5	96	0.01
6	T	Vinyl Chloride	1.908	1.979	-3.7	98	0.00
7	T	1,3-Butadiene	1.400	1.371	2.1	99	0.00
8	T	Bromomethane	1.162	1.073	7.7	95	0.00
9	T	Chloroethane	1.123	1.130	-0.6	96	0.00
10	T	Ethanol	1.010	0.887	12.2	86	-0.03
11	T	Acetonitrile	2.482	2.216	10.7	92	-0.01
12	T	Acrolein	0.805	0.717	10.9	103	-0.01
13	T	Acetone	1.285	1.504	-17.0	103	-0.01
14	T	Trichlorofluoromethane	2.146	2.094	2.4	95	-0.01
15	T	Isopropanol	3.325	3.444	-3.6	93	-0.03
16	T	Acrylonitrile	1.744	1.607	7.9	97	-0.02
17	T	1,1-Dichloroethene	1.317	1.292	1.9	99	0.00
18	T	tert-Butanol	3.244	3.509	-8.2	100	0.08
19	T	Methylene Chloride	1.540	1.537	0.2	96	-0.02
20	T	Allyl Chloride	1.629	1.421	12.8	97	-0.02
21	T	Trichlorotrifluoroethane	1.147	1.112	3.1	95	0.00
22	T	Carbon Disulfide	5.764	6.011	-4.3	99	0.00
23	T	trans-1,2-Dichloroethene	2.073	1.992	3.9	93	-0.03
24	T	1,1-Dichloroethane	2.093	2.064	1.4	95	-0.03
25	T	Methyl tert-Butyl Ether	4.336	4.365	-0.7	100	0.00
26	T	Vinyl Acetate	0.292	0.273	6.5	118	-0.02
27	T	2-Butanone	0.989	0.973	1.6	97	-0.02
28	T	cis-1,2-Dichloroethene	1.894	1.854	2.1	97	-0.02
29	T	Diisopropyl Ether	1.154	1.131	2.0	97	-0.01
30	T	Ethyl Acetate	0.477	0.485	-1.7	100	-0.02
31	T	n-Hexane	2.267	2.276	-0.4	99	-0.01
32	T	Chloroform	2.136	2.208	-3.4	95	-0.03
33	S	1,2-Dichloroethane-d4(SS1)	1.764	1.818	-3.1	103	-0.02
34	T	Tetrahydrofuran	0.881	0.909	-3.2	98	0.00
35	T	Ethyl tert-Butyl Ether	1.712	1.690	1.3	100	-0.02
36	T	1,2-Dichloroethane	1.970	1.939	1.6	93	-0.02
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	104	-0.02
38	T	1,1,1-Trichloroethane	0.519	0.506	2.5	97	-0.02
39	T	Isopropyl Acetate	0.193	0.182	5.7	93	-0.01
40	T	1-Butanol	0.221	0.187	15.4	110	0.02
41	T	Benzene	1.223	1.195	2.3	96	-0.02
42	T	Carbon Tetrachloride	0.399	0.320	19.8	90	-0.02
43	T	Cyclohexane	0.478	0.478	0.0	97	-0.02
44	T	tert-Amyl Methyl Ether	0.894	0.843	5.7	96	0.00
45	T	1,2-Dichloropropane	0.304	0.286	5.9	91	-0.02
46	T	Bromodichloromethane	0.420	0.399	5.0	96	-0.01
47	T	Trichloroethene	0.305	0.289	5.2	91	-0.02
48	T	1,4-Dioxane	0.228	0.226	0.9	99	0.00
49	T	Isooctane	1.204	1.196	0.7	96	-0.02
50	T	Methyl Methacrylate	0.118	0.115	2.5	110	-0.01
51	T	n-Heptane	0.303	0.304	-0.3	97	-0.01

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LM 3/27/07

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2007_03\27\
Data File : 03270703.D
Acq On : 27 Mar 2007 9:28
Operator : LM/SC
Sample : 1ng TO-15 CCV STD
Misc : S15-03150704/S15-03070705
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 27 09:56:07 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	0.496	0.6	102	0.00
53	T	4-Methyl-2-pentanone	0.259	0.247	4.6	98	-0.01
54	T	trans-1,3-Dichloropropene	0.465	0.428	8.0	97	0.00
55	T	1,1,2-Trichloroethane	0.302	0.295	2.3	99	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	107	0.00
57	S	Toluene-d8 (SS2)	2.168	2.130	1.8	104	-0.01
58	T	Toluene	2.486	2.508	-0.9	99	-0.01
59	T	2-Hexanone	1.273	1.194	6.2	96	0.00
60	T	Dibromochloromethane	0.659	0.587	10.9	91	0.00
61	T	1,2-Dibromoethane	0.682	0.642	5.9	100	-0.01
62	T	Butyl Acetate	1.380	1.262	8.6	100	0.00
63	T	n-Octane	0.494	0.483	2.2	97	-0.01
64	T	Tetrachloroethene	0.594	0.610	-2.7	100	0.00
65	T	Chlorobenzene	1.596	1.597	-0.1	99	0.00
66	T	Ethylbenzene	2.824	2.818	0.2	101	0.00
67	T	m- & p-Xylene	1.823	1.800	1.3	99	-0.01
68	T	Bromoform	0.420	0.386	8.1	98	0.00
69	T	Styrene	1.636	1.588	2.9	102	0.00
70	T	o-Xylene	1.963	1.975	-0.6	102	0.00
71	T	n-Nonane	1.091	1.029	5.7	93	0.00
72	T	1,1,2,2-Tetrachloroethane	0.921	0.897	2.6	98	0.00
73	S	Bromofluorobenzene (SS3)	0.661	0.687	-3.9	113	0.00
74	T	Cumene	2.601	2.632	-1.2	103	0.00
75	T	alpha-Pinene	1.355	1.314	3.0	99	0.00
76	T	n-Propylbenzene	3.402	3.353	1.4	98	0.00
77	T	3-Ethyltoluene	2.788	2.772	0.6	102	0.00
78	T	4-Ethyltoluene	2.564	2.640	-3.0	102	0.00
79	T	1,3,5-Trimethylbenzene	2.233	2.269	-1.6	101	0.00
80	T	alpha-Methylstyrene	1.142	1.079	5.5	103	0.00
81	T	2-Ethyltoluene	2.787	2.837	-1.8	100	0.00
82	T	1,2,4-Trimethylbenzene	2.187	2.264	-3.5	103	0.00
83	T	n-Decane	1.110	1.101	0.8	97	0.00
84	T	Benzyl Chloride	2.041	1.967	3.6	104	0.00
85	T	1,3-Dichlorobenzene	1.224	1.281	-4.7	102	0.00
86	T	1,4-Dichlorobenzene	1.199	1.242	-3.6	103	0.00
87	T	sec-Butylbenzene	2.960	3.070	-3.7	102	0.00
88	T	p-Isopropyltoluene	2.325	2.477	-6.5	104	0.00
89	T	1,2,3-Trimethylbenzene	2.101	2.193	-4.4	103	0.00
90	T	1,2-Dichlorobenzene	1.116	1.206	-8.1	106	0.00
91	T	d-Limonene	0.814	0.782	3.9	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.360	0.307	14.7	115	0.00
93	T	n-Undecane	0.828	0.950	-14.7	122	0.00
94	T	1,2,4-Trichlorobenzene	0.203	0.246	-21.2	162	0.00
95	T	Naphthalene	2.134	2.530	-18.6	159	0.00
96	T	n-Dodecane	0.613	0.986	-60.8#	189	0.00
97	T	Hexachloro-1,3-butadiene	0.332	0.380	-14.5	163	0.00

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

3/27/07
3/27/07

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\DATA\2007_03\27\
Data File : 03270716.D
Acq On : 27 Mar 2007 18:40
Operator : LM/SC
Sample : 25ng TO-15 CCV STD(CLOSING CCV)
Misc : S15-03150704/S15-03070705
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 28 09:30:06 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	1.168	18.9	88	0.00
3	T	Dichlorodifluoromethane	3.114	2.626	15.7	92	0.00
4	T	Chloromethane	2.199	1.902	13.5	91	0.00
5	T	Freon 114	0.955	0.852	10.8	97	0.00
6	T	Vinyl Chloride	1.908	1.657	13.2	94	0.00
7	T	1,3-Butadiene	1.400	1.273	9.1	95	0.00
8	T	Bromomethane	1.162	1.075	7.5	100	0.00
9	T	Chloroethane	1.123	0.971	13.5	96	0.00
10	T	Ethanol	1.010	0.851	15.7	94	0.00
11	T	Acetonitrile	2.482	2.182	12.1	90	0.00
12	T	Acrolein	0.805	0.740	8.1	93	0.00
13	T	Acetone	1.285	0.995	22.6	95	0.00
14	T	Trichlorofluoromethane	2.146	1.906	11.2	96	0.00
15	T	Isopropanol	3.325	2.746	17.4	89	0.00
16	T	Acrylonitrile	1.744	1.561	10.5	94	0.00
17	T	1,1-Dichloroethene	1.317	1.188	9.8	96	0.00
18	T	tert-Butanol	3.244	2.919	10.0	96	0.00
19	T	Methylene Chloride	1.540	1.306	15.2	97	0.00
20	T	Allyl Chloride	1.629	1.504	7.7	91	0.00
21	T	Trichlorotrifluoroethane	1.147	1.034	9.9	98	0.00
22	T	Carbon Disulfide	5.764	4.873	15.5	96	0.00
23	T	trans-1,2-Dichloroethene	2.073	1.843	11.1	95	0.00
24	T	1,1-Dichloroethane	2.093	1.859	11.2	95	0.00
25	T	Methyl tert-Butyl Ether	4.336	3.930	9.4	96	0.00
26	T	Vinyl Acetate	0.292	0.327	-12.0	106	0.00
27	T	2-Butanone	0.989	0.882	10.8	96	0.00
28	T	cis-1,2-Dichloroethene	1.894	1.683	11.1	96	0.00
29	T	Diisopropyl Ether	1.154	1.049	9.1	98	0.00
30	T	Ethyl Acetate	0.477	0.432	9.4	95	0.00
31	T	n-Hexane	2.267	1.991	12.2	95	0.00
32	T	Chloroform	2.136	1.795	16.0	95	0.00
33	S	1,2-Dichloroethane-d4(SS1)	1.764	1.718	2.6	102	0.00
34	T	Tetrahydrofuran	0.881	0.792	10.1	92	0.00
35	T	Ethyl tert-Butyl Ether	1.712	1.596	6.8	100	0.00
36	T	1,2-Dichloroethane	1.970	1.796	8.8	97	0.00
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	106	0.00
38	T	1,1,1-Trichloroethane	0.519	0.481	7.3	99	0.00
39	T	Isopropyl Acetate	0.193	0.178	7.8	95	0.00
40	T	1-Butanol	0.221	0.235	-6.3	94	0.00
41	T	Benzene	1.223	1.096	10.4	97	0.00
42	T	Carbon Tetrachloride	0.399	0.387	3.0	97	0.00
43	T	Cyclohexane	0.478	0.421	11.9	98	0.00
44	T	tert-Amyl Methyl Ether	0.894	0.823	7.9	98	0.00
45	T	1,2-Dichloropropane	0.304	0.272	10.5	97	0.00
46	T	Bromodichloromethane	0.420	0.388	7.6	98	0.00
47	T	Trichloroethene	0.305	0.281	7.9	100	0.00
48	T	1,4-Dioxane	0.228	0.216	5.3	99	0.00
49	T	Isooctane	1.204	1.073	10.9	96	0.00
50	T	Methyl Methacrylate	0.118	0.117	0.8	99	0.00
51	T	n-Heptane	0.303	0.278	8.3	98	0.00

3/28/07
LM 3/28/07

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Data Path : J:\MS08\DATA\2007_03\27\
Data File : 03270716.D
Acq On : 27 Mar 2007 18:40
Operator : LM/SC
Sample : 25ng TO-15 CCV STD(CLOSING CCV)
Misc : S15-03150704/S15-03070705
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 28 09:30:06 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	0.466	6.6	97	0.00
53	T	4-Methyl-2-pentanone	0.259	0.241	6.9	95	0.00
54	T	trans-1,3-Dichloropropene	0.465	0.435	6.5	97	0.00
55	T	1,1,2-Trichloroethane	0.302	0.280	7.3	100	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	107	0.00
57	S	Toluene-d8 (SS2)	2.168	2.142	1.2	106	0.00
58	T	Toluene	2.486	2.241	9.9	98	0.00
59	T	2-Hexanone	1.273	1.147	9.9	94	0.00
60	T	Dibromochloromethane	0.659	0.621	5.8	100	0.00
61	T	1,2-Dibromoethane	0.682	0.642	5.9	100	0.00
62	T	Butyl Acetate	1.380	1.294	6.2	94	0.00
63	T	n-Octane	0.494	0.474	4.0	102	0.00
64	T	Tetrachloroethene	0.594	0.555	6.6	101	0.00
65	T	Chlorobenzene	1.596	1.462	8.4	101	0.00
66	T	Ethylbenzene	2.824	2.646	6.3	99	0.00
67	T	m- & p-Xylene	1.823	1.691	7.2	99	-0.01
68	T	Bromoform	0.420	0.415	1.2	100	0.00
69	T	Styrene	1.636	1.583	3.2	99	0.00
70	T	o-Xylene	1.963	1.838	6.4	100	0.00
71	T	n-Nonane	1.091	0.970	11.1	93	0.00
72	T	1,1,2,2-Tetrachloroethane	0.921	0.870	5.5	98	0.00
73	S	Bromofluorobenzene (SS3)	0.661	0.696	-5.3	111	0.00
74	T	Cumene	2.601	2.466	5.2	99	0.00
75	T	alpha-Pinene	1.355	1.302	3.9	99	0.00
76	T	n-Propylbenzene	3.402	3.217	5.4	98	0.00
77	T	3-Ethyltoluene	2.788	2.707	2.9	101	0.00
78	T	4-Ethyltoluene	2.564	2.419	5.7	98	0.00
79	T	1,3,5-Trimethylbenzene	2.233	2.153	3.6	100	0.00
80	T	alpha-Methylstyrene	1.142	1.146	-0.4	97	0.00
81	T	2-Ethyltoluene	2.787	2.678	3.9	99	0.00
82	T	1,2,4-Trimethylbenzene	2.187	2.104	3.8	98	0.00
83	T	n-Decane	1.110	1.059	4.6	97	0.00
84	T	Benzyl Chloride	2.041	2.077	-1.8	98	0.00
85	T	1,3-Dichlorobenzene	1.224	1.188	2.9	98	0.00
86	T	1,4-Dichlorobenzene	1.199	1.166	2.8	99	0.00
87	T	sec-Butylbenzene	2.960	2.853	3.6	98	0.00
88	T	p-Isopropyltoluene	2.325	2.271	2.3	98	0.00
89	T	1,2,3-Trimethylbenzene	2.101	2.046	2.6	98	0.00
90	T	1,2-Dichlorobenzene	1.116	1.082	3.0	97	0.00
91	T	d-Limonene	0.814	0.778	4.4	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.360	0.434	-20.6	102	0.00
93	T	n-Undecane	0.828	0.883	-6.6	97	0.00
94	T	1,2,4-Trichlorobenzene	0.203	0.245	-20.7	101	0.00
95	T	Naphthalene	2.134	2.649	-24.1	100	0.00
96	T	n-Dodecane	0.613	0.698	-13.9	97	0.00
97	T	Hexachloro-1,3-butadiene	0.332	0.410	-23.5	102	0.00

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

3/28/07
LM 3/28/07

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COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Project ID: WDI

CAS Project ID: P2700726

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: 03260701.D
Date Analyzed: 03/26/07
Time Analyzed: 08:52

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	24 Hour Standard	355757	9.07	1644470	11.00	856272	15.82
	Upper Limit	498060	9.40	2302258	11.33	1198781	16.15
	Lower Limit	213454	8.74	986682	10.67	513763	15.49
	Client Sample ID						
01	Method Blank	360605	9.05	1667297	10.99	844266	15.82
02	Lab Control Sample	334687	9.07	1531836	11.00	811366	15.82
03	Duplicate Lab Control Sample	352024	9.08	1624852	11.00	850724	15.82
04	WDI-VW-55-I-3-14-07	355160	9.06	1653073	11.00	892311	15.82
05	WDI-VW-55-I-3-14-07 (Lab Duplicate)	398090	9.06	1823138	11.00	952693	15.82
06	WDI-VW-55-S-3-14-07	416396	9.06	1873688	11.00	1128962	15.84
07	WDI-VW-55-I-3-14-07-SC	441306	9.06	2009901	11.00	1046912	15.82
08	WDI-VW-55-D-3-14-07	444615	9.05	2075242	11.00	1043411	15.82
09	WDI-VW-56-S-3-14-07	442126	9.06	2114657	11.00	1060852	15.82
10	WDI-VW-56-I-3-14-07	454573	9.06	2087606	11.00	1058230	15.82
11	WDI-VW-56-D-3-14-07	445292	9.06	2071820	10.99	1056224	15.83
12	WDI-VW-58-S-3-14-07	453138	9.05	2105355	11.00	1045922	15.82
13	WDI-VW-58-I-3-14-07	462827	9.05	2138973	11.00	1070263	15.82
14							
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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: RG Date: 4/2/07

00726VOA.RE1 - ISS

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: TRC
Client Project ID: WDI

CAS Project ID: P2700726

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: 03270701.D
Date Analyzed: 03/27/07
Time Analyzed: 07:54

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	24 Hour Standard	403020	9.07	1858842	11.00	947431	15.82
	Upper Limit	564228	9.40	2602379	11.33	1326403	16.15
	Lower Limit	241812	8.74	1115305	10.67	568459	15.49
	Client Sample ID						
01	Method Blank	395136	9.05	1843274	10.99	918722	15.82
02	Lab Control Sample	378598	9.07	1727749	11.00	910726	15.82
03	Duplicate Lab Control Sample	391659	9.07	1783794	11.00	939088	15.82
04	WDI-VW-58-D-3-14-07	385884	9.06	1781149	10.99	917078	15.82
05	WDI-VW-58-D-3-14-07 (Lab Duplicate)	393817	9.05	1826059	10.99	922894	15.82
06	WDI-VW-62-S-3-15-07	403199	9.06	1869468	10.99	941192	15.82
07	WDI-VW-62-S-3-15-07-SC	432264	9.05	1994930	10.99	991721	15.82
08	WDI-VW-56-I-3-14-07 (Dilution)	407767	9.05	1900647	10.99	954147	15.82
09	WDI-VW-58-I-3-14-07 (Dilution)	389785	9.05	1810943	10.99	906584	15.82
10	WDI-VW-62-I-3-15-07	359998	9.05	1668887	10.99	850967	15.82
11	WDI-VW-62-D-3-15-07	357522	9.05	1700340	10.99	855434	15.82
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18							
19							
20							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

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

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

Verified by: Pcc Date: 4/2/07

	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 per 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	Passed as lab dup
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
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18	3/2
19	3/2
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24	3/2

	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 (-3.7,3.8)	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 (-3.2,3.5)	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 off
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	
1	3/26/07 8:52	03260701.D	25ng TO-15 CCV STD	S15-03150704/S15-03070705	LM/SC	1	Passed	
2	3/26/07 9:50	03260702.D	TO-15 Method Blank (1000ml)	S15-03150704	LM/SC	3	Passed	
3	3/26/07 10:29	03260703.D	1ng TO-15 CCV STD	S15-03150704/S15-03070705	LM/SC	3	Passed	
4	3/26/07 11:21	03260704.D	25ng TO-15 LCS STD	S15-03150704/S15-03070707	LM/SC	2	Passed	
5	3/26/07 12:03	03260705.D	25ng TO-15 LCSD STD	S15-03150704/S15-03070707	LM/SC	2	Passed	
6	3/26/07 12:41	03260706.D	P2700726-002 (25ml)	TRC WDI-VW-55-I-3-14-07 (-3.5,3.5)	LM/SC	4	/	
7	3/26/07 13:20	03260707.D	P2700726-002 (500ml)	TRC WDI-VW-55-I-3-14-07 (-3.5,3.5)	LM/SC	4		
8	3/26/07 13:56	03260708.D	P2700726-002 DUP (500ml)	TRC WDI-VW-55-I-3-14-07 (-3.5,3.5)	LM/SC	4	Passed	

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	Date/Time	File Name	Sample ID	Misc Info	Operator	Vial	Comment
9	3/26/07 14:32	03260709.D	P2700726-001 (10ml)	TRC WDI-VW-55-S-3-14-07 (-3.1,4.0)	LM/SC	1	
10	3/26/07 15:07	03260710.D	P2700726-001 (100ml)	TRC WDI-VW-55-S-3-14-07 (-3.1,4.0)	LM/SC	5	
11	3/26/07 15:56	03260711.D	P2700726-003 (500ml)	TRC WDI-VW-55-I-3-14-07-SC (-3.1,3.5)	LM/SC	6	
12	3/26/07 16:31	03260712.D	P2700726-004 (250ml)	TRC WDI-VW-55-D-3-14-07 (-2.7,3.5)	LM/SC	7	
13	3/26/07 17:13	03260713.D	P2700726-005 (1000ml)	TRC WDI-VW-56-S-3-14-07 (-2.7,3.5)	LM/SC	8	
14	3/26/07 17:59	03260714.D	P2700726-006 (200ml)	TRC WDI-VW-56-I-3-14-07 (-3.3,3.6)	LM/SC	9	
15	3/26/07 18:35	03260715.D	P2700726-007 (500ml)	TRC WDI-VW-56-D-3-14-07 (-2.7,4.0)	LM/SC	10	
16	3/26/07 19:10	03260716.D	P2700726-008 (100ml)	TRC WDI-VW-58-S-3-14-07 (-2.5,3.5)	LM/SC	11	
17	3/26/07 19:46	03260717.D	P2700726-009 (200ml)	TRC WDI-VW-58-S-3-14-07 (-2.1,3.5)	LM/SC	12	
18	3/26/07 20:21	03260718.D	25ng TO-15 CCV STD	S15-03150704/S15-03070705	LM/SC	3	Passed
19	3/26/07 21:02	03260719.D	P2700684-001 (1000ml)	[redacted]	LM/SC	14	
20	3/26/07 21:43	03260720.D	P2700684-002 (1000ml)	[redacted]	LM/SC	15	
21	3/26/07 22:23	03260721.D	P2700684-003 (1000ml)	[redacted]	LM/SC	16	
22	3/26/07 23:04	03260722.D	P2700684-004 (1000ml)	[redacted]	LM/SC	4	
23	3/26/07 23:45	03260723.D	P2700684-005 (1000ml)	[redacted]	LM/SC	5	
24	3/27/07 0:20	03260724.D	BLANK (200ml)	Rinse	LM/SC	3	
1	3/27/07 7:54	03270701.D	25ng TO-15 CCV STD	S15-03150704/S15-03070705	LM/SC	1	Passed
2	3/27/07 8:47	03270702.D	TO-15 Method Blank (1000ml)	S15-03150704	LM/SC	3	Passed
3	3/27/07 9:28	03270703.D	1ng TO-15 CCV STD	S15-03150704/S15-03070705	LM/SC	1	Passed
4	3/27/07 10:22	03270704.D	25ng TO-15 LCS STD	S15-03150704/S15-03070707	LM/SC	2	Passed
5	3/27/07 11:08	03270705.D	25ng TO-15 LCSD STD	S15-03150704/S15-03070707	LM/SC	2	Passed
6	3/27/07 11:58	03270706.D	P2700726-010 (1000ml)	TRC WDI-VW-58-D-3-14-07 (-2.8,3.7)	LM/SC	13	
7	3/27/07 12:44	03270707.D	P2700726-010 DUP (1000ml)	TRC WDI-VW-58-D-3-14-07 (-2.8,3.7)	LM/SC	13	Passed
8	3/27/07 13:34	03270708.D	25ng TO-15 LCSD STD	S15-03150704/S15-03070707	LM/SC	2	Case file
9	3/27/07 14:09	03270709.D	P2700726-011 (100ml)	TRC WDI-VW-62-S-3-15-07 (-2.1,3.5)	LM/SC	14	
10	3/27/07 14:50	03270710.D	P2700726-012 (50ml)	TRC WDI-VW-62-S-3-15-07-SC (-2.7,3.5)	LM/SC	15	
11	3/27/07 15:25	03270711.D	P2700726-013 (50ml)	TRC WDI-VW-62-I-3-15-07 (-2.3,3.5)	LM/SC	16	
12	3/27/07 16:02	03270712.D	P2700726-006 Dil (50ml)	TRC WDI-VW-56-I-3-14-07 (-3.3,3.6)	LM/SC	9	
13	3/27/07 16:37	03270713.D	P2700726-009 Dil (50ml)	TRC WDI-VW-56-I-3-14-07 (-2.1,3.5)	LM/SC	12	
14	3/27/07 17:13	03270714.D	P2700726-013 (250ml)	TRC WDI-VW-62-I-3-15-07 (-2.3,3.5)	LM/SC	16	
15	3/27/07 18:05	03270715.D	P2700726-014 (1000ml)	TRC WDI-VW-62-D-3-15-07 (-2.9,3.5)	LM/SC	4	
16	3/27/07 18:40	03270716.D	25ng TO-15 CCV STD(CLOSING CCV)	S15-03150704/S15-03070705	LM/SC	3	Passed
17	3/27/07 19:21	03270717.D	P2700738-001 (1000ml)	[redacted]	LM/SC	5	
18	3/27/07 20:02	03270718.D	P2700738-002 (1000ml)	[redacted]	LM/SC	6	
19	3/27/07 20:42	03270719.D	P2700738-003 (1000ml)	[redacted]	LM/SC	7	
20	3/27/07 21:23	03270720.D	P2700738-004 (1000ml)	[redacted]	LM/SC	8	
21	3/27/07 22:03	03270721.D	P2700738-005 (1000ml)	[redacted]	LM/SC	9	
22	3/27/07 22:44	03270722.D	P2700739-001 (1000ml)	[redacted]	LM/SC	10	
23	3/27/07 23:25	03270723.D	P2700739-002 (1000ml)	[redacted]	LM/SC	11	
24	3/28/07 0:05	03270724.D	P2700739-003 (1000ml)	[redacted]	LM/SC	13	
25	3/28/07 0:46	03270725.D	P2700739-004 (1000ml)	[redacted]	LM/SC	14	
26	3/28/07 1:26	03270726.D	P2700739-005 (1000ml)	[redacted]	LM/SC	15	
27	3/28/07 2:02	03270727.D	BLANK (200ml)	Rinse	LM/SC	3	

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Columbia Analytical Services, Inc.
Sample Acceptance Check Form

Client: TRC Work order: P2700726
Project: WDI
Sample(s) received on: 3/16/07 Date opened: 3/16/07 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
P2700726-001			NA	
P2700726-002			NA	
P2700726-003			NA	
P2700726-004			NA	
P2700726-005			NA	
P2700726-006			NA	
P2700726-007			NA	
P2700726-008			NA	
P2700726-009			NA	
P2700726-010			NA	

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

Columbia Analytical Services, Inc.
Sample Acceptance Check Form

Client: TRC Work order: P2700726

Project: WDI

Sample(s) received on: 3/16/07 Date opened: 3/16/07 by: MZ

Lab Sample ID	Required pH (as received, if required)	pH (as received, if required)	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P2700726-011			NA	
P2700726-012			NA	
P2700726-013			NA	
P2700726-014			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. P2700726

CAS Contact

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

Project Name: WDI

Project Number:

Project Manager: ANANO HELEKAR

P.O. # / Billing Information:

Phone: (949) 727-9336 Fax: (949) 727-9399

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
WDI-VW-55-S-3-14-07	1 -6.4	3-14-07	1426	AIR	SC00363	6V-.5-098	6L	X	X	X		
WDI-VW-55-I-3-14-07	2 -7.2	3-14-07	1426	AIR	SC00901	6V-.5-126	6L	X	X	X		
WDI-VW-55-I-3-14-07-SC	3 -6.6	3-14-07	1426	AIR	SC00770	6V-.5-012	6L	X	X	X		
WDI-VW-55-D-3-14-07	4 -5.5	3-14-07	1426	AIR	SC00527	6V-.5-120	6L	X	X	X		
WDI-VW-56-S-3-14-07	5 -5.5	3-14-07	1542	AIR	SC00252	6V-.5-120	6L	X	X	X		
WDI-VW-56-I-3-14-07	6 -6.8	3-14-07	1542	AIR	SC00240	6V-.5-126	6L	X	X	X		
WDI-VW-56-D-3-14-07	7 -5.5	3-14-07	1542	AIR	SC00280	6V-.5-098	6L	X	X	X		
WDI-VW-58-S-3-14-07	8 -5.1	3-14-07	1717	AIR	SC00146	6V-.5-098	6L	X	X	X		
WDI-VW-58-I-3-14-07	9 -4.2	3-14-07	1717	AIR	SC00345	6V-.5-120	6L	X	X	X		
WDI-VW-58-D-3-14-07	10 -5.7	3-14-07	1717	AIR	SC00057	6V-.5-026	6L	X	X	X		
WDI-VW-62-S-3-15-07	11 -4.3	3-15-07	1058	AIR	SC00643	6V-.5-120	6L	X	X	X		
WDI-VW-62-S-3-15-07-SC	12 -5.5	3-15-07	1058	AIR	SC00080	6V-.5-126	6L	X	X	X		
WDI-VW-62-I-3-15-07	13 -4.7	3-15-07	1058	AIR	SC00862	6V-.5-098	6L	X	X	X		
WDI-VW-62-D-3-15-07	14 -5.9	3-15-07	1058	AIR	SC00678	6V-.5-012	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	3/16/07	1420		3/16/07	1420
	3/16/07	1625		3/16/07	1625

Cooler / Blank 11348
Temperature 11348 °C