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

November 14, 2007

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

RE: P2702949
WDI

Dear Mr. Helekar:

Enclosed are the results of the sample(s) submitted to our laboratory on September 24, 2007. For your reference, these analyses have been assigned our service request number P2702949.

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 and reported herein. Your report contains 172 pages.

Columbia Analytical Services, Inc. is certified by the California Department of Health Services, NELAP Laboratory Certificate No. 02115CA; Arizona Department of Health Services, Certificate No. AZ0694; Florida Department of Health, NELAP Certification E871020; 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; Department of the Navy (NFESC); Pennsylvania Registration No. 68-03307. Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact me for information 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:	11/14/07
Address:	21 Technology Drive	Date Received:	09/24/07
	Irvine, CA 92618	CAS Project No:	P2702949
Contact:	Mr. Anand Helekar	Purchase Order:	IRV-804336

Client Project ID: WDI

Thirteen (13) Stainless Steel Summa Canisters labeled:

"WDI-VW35-S-9-20-07" "WDI-VW35-D-9-20-07" "WDI-VW35-DAC-9-20-07" "WDI-VW62-S-9-20-07"
"WDI-VW62-I-9-20-07" "WDI-VW62-D-9-20-07" "WDI-VW62-Ambient-9-20-07" "WDI-VW49-S-9-20-07"
"WDI-VW49-I-9-20-07" "WDI-VW49-D-9-20-07" "WDI-VW58-S-9-20-07" "WDI-VW58-I-9-20-07"
"WDI-VW58-D-9-20-07"

The samples were received at the laboratory under chain of custody on September 24, 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

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

Fixed Gases Analysis

All of samples were analyzed for fixed gases (hydrogen, oxygen/argon, nitrogen, carbon monoxide, and carbon dioxide) and one of the samples was also analyzed for methane 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: P2702920

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 systems used were comprised of two Agilent Model 5973inert GC/MS/DS each interfaced to a Tekmar AutoCan Elite whole air inlet system/cryogenic concentrator. A 100% Dimethylpolysiloxane capillary column (RT_x-1, Restek Corporation, Bellefonte, PA) was used to achieve chromatographic separation.

The 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.

On October 1 and October 2, 2007, acetone was biased high on the CRQL on the instrument labeled MS9.

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-VW35-S-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-001

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00870

Date Collected: 9/20/07
Date Received: 9/24/07
Date Analyzed: 10/2/07
Volume(s) Analyzed: 0.50 ml

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

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

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

Verified By: KMH Date: 10/09/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW35-S-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-001DUP

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00870

Date Collected: 9/20/07
Date Received: 9/24/07
Date Analyzed: 10/2/07
Volume(s) Analyzed: 0.50 ml

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

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	ND	0.75	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**3.0**	1.5	

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

Verified By: KMH Date: 10/29/07

02949SVG.SC4 -Dup

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW35-D-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-002

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00334

Date Collected: 9/20/07
Date Received: 9/24/07
Date Analyzed: 10/3/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.5 Pf 1 = 3.6
D.F. = 1.63

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**1.5**	0.82	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**2.7**	1.6	

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

Verified By: KeiH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW35-DAC-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-003

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00933

Date Collected: 9/20/07
Date Received: 9/24/07
Date Analyzed: 10/3/07
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	**1.5**	0.76	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**3.2**	1.5	

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

Verified By: KLH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW62-S-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-004

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00299

Date Collected: 9/20/07
Date Received: 9/24/07
Date Analyzed: 10/3/07
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
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**150**	1.5	

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

Verified By: Kent Date: 10/09/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW62-I-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-005

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

Date Collected: 9/20/07
Date Received: 9/24/07
Date Analyzed: 10/3/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -2.6 Pf 1 = 3.5
D.F. = 1.50

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**2.1**	0.75	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**3.1**	1.5	

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

Verified By: KLH Date: 10/09/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW62-D-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-006

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00617

Date Collected: 9/20/07
Date Received: 9/24/07
Date Analyzed: 10/3/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -2.7 Pf 1 = 3.6
D.F. = 1.53

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**1.4**	0.77	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.5	

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

Verified By: KWH Date: 10/09/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW62-Ambient-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-007

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00514

Date Collected: 9/20/07
Date Received: 9/24/07
Date Analyzed: 10/8/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.0 Pf 1 = 3.6
D.F. = 1.56

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**1.4**	0.78	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.6	

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

Verified By: KWH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW62-Ambient-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-007DUP

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00514

Date Collected: 9/20/07
Date Received: 9/24/07
Date Analyzed: 10/8/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.0 Pf 1 = 3.6
D.F. = 1.56

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**1.5**	0.78	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.6	

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

Verified By: KWH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW49-S-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-008

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00191

Date Collected: 9/20/07
Date Received: 9/24/07
Date Analyzed: 10/2/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.0 Pf 1 = 3.8
D.F. = 1.58

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	ND	0.79	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**1.9**	1.6	

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

Verified By: KWH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW49-I-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-009

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00663

Date Collected: 9/20/07
Date Received: 9/24/07
Date Analyzed: 10/2/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -0.5 Pf 1 = 3.6
D.F. = 1.29

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	ND	0.65	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**5.6**	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: Kurt Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW49-D-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-010

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00740

Date Collected: 9/20/07
Date Received: 9/24/07
Date Analyzed: 10/2/07
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	ND	0.81	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**5.0**	1.6	

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

Verified By: KLH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW58-S-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-011

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00030

Date Collected: 9/20/07
Date Received: 9/24/07
Date Analyzed: 10/3/07
Volume(s) Analyzed: 0.50 ml

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

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**0.79**	0.79	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**4.2**	1.6	

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

Verified By: KWH Date: 10/5/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW58-I-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-012

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00672

Date Collected: 9/20/07
Date Received: 9/24/07
Date Analyzed: 10/2/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.3 Pf 1 = 3.5
D.F. = 1.60

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	ND	0.80	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**5.4**	1.6	

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

Verified By: KWH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW58-D-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-013

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00650

Date Collected: 9/20/07
Date Received: 9/24/07
Date Analyzed: 10/2/07
Volume(s) Analyzed: 0.50 ml

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

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	ND	0.79	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**5.0**	1.6	

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

Verified By: KLH Date: 10/09/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2702949
CAS Sample ID: P071002-MB

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

Date Collected: NA
Date Received: NA
Date Analyzed: 10/2/07
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: KeH Date: 10/09/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2702949
CAS Sample ID: P071003-MB

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

Date Collected: NA
Date Received: NA
Date Analyzed: 10/3/07
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: KWH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2702949
CAS Sample ID: P071008-MB

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

Date Collected: NA
Date Received: NA
Date Analyzed: 10/8/07
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: KWH Date: 10/09/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2702949
CAS Sample ID: P071002-LCS

Laboratory Control Sample Summary

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

Date Collected: NA
Date Received: NA
Date Analyzed: 10/02/07
Volume(s) Analyzed: NA

Compound	Spike Amount LCS ppmV	Result LCS ppmV	**% Recovery LCS**	Acceptance Limits	Data Qualifier
Methane	57.5	58.6	102	90-110	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	345	331	96	90-110	

Verified By: KWH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2702949
CAS Sample ID: P071003-LCS

Laboratory Control Sample Summary

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

Date Collected: NA
Date Received: NA
Date Analyzed: 10/03/07
Volume(s) Analyzed: NA

Compound	Spike Amount LCS ppmV	Result LCS ppmV	**% Recovery LCS**	Acceptance Limits	Data Qualifier
Methane	57.5	55.3	96	90-110	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	345	312	90	90-110	

Verified By: KLH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2702949
CAS Sample ID: P071008-LCS

Laboratory Control Sample Summary

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

Date Collected: NA
Date Received: NA
Date Analyzed: 10/08/07
Volume(s) Analyzed: NA

Compound	Spike Amount LCS ppmV	Result LCS ppmV	**% Recovery LCS**	Acceptance Limits	Data Qualifier
Methane	57.5	60.0	104	90-110	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	345	338	98	90-110	

Verified By: KWH Date: 10/29/07

Response Factor Report GC 01

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

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

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

10/23/06

= Out of Range

Compound #2: Methane (Page 3)

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

Lvl ID	Conc	Response

	Integration Parameter File	Sum?
Tgt		
		☐
		☐
		☐

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

Compound #4: TGIMO-1 (Page 3)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	0.819	5547			
2	6.000	40100			
3	16.371	96872			
4	120.000	739089			
5	4072.300	26614390			
6	29850.000	191892442			

	Integration Parameter File	Sum?
Tgt		
		☐
		☐
		☐

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

Compound #5: TGMO-2 (Page 3)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	0.819	5547			
2	6.000	40100			
3	16.371	96872			
4	120.000	739089			
5	4072.300	26614390			
6	29850.000	191892442			

	Integration Parameter File	Sum?
Tgt		
		☐
		☐
		☐

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

Modified EPA Method 25C Daily QC Summary

Job# : TRC P2702949
Analyst : WHH
Method Name : EPA 25C TCA/FID Analysis for TGNMO

Instrument : GC01/TCD1
Date Analyzed : 10/2/07
Printed : 10/8/07

RT Summaries and QC Check (minutes)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide	TGNMO-1	TGMNO-2		File ID	Time
iCAL Mean RT	**1.366**	**1.799**	**3.038**	**4.833**				
RT Windows (+/- min)	**0.030**	**0.031**	**0.038**	**0.030**				
STD 100/80ppm S14-08060703	1.390	1.810	3.024	4.852			10020701.D	09:11
+/- 0.33min of ICAL Mean RT	Pass	Pass	Pass	Pass				
MB			3.029 Pass	N/A	N/A		10020702.D	09:33
Lab Air	1.230 Fail	1.806 Pass	3.031 Pass	N/A	N/A		10020703.D	09:45
LCS 345ppm S14-04050603	1.389 Pass	1.813 Pass	3.036 Pass	N/A	N/A		10020704.D	10:00
2949-009 v	1.252 Fail		Vent	N/A	N/A		10020706.D	10:29
2949-008 v	1.330 Fail	1.820 Pass	Vent	N/A	N/A		10020707.D	14:21
2949-013 v	1.273 Fail		Vent	N/A	N/A		10020708.D	14:38
2949-010 v	1.263 Fail		Vent	N/A	N/A		10020709.D	15:01
2949-012 v	1.264 Fail		Vent	N/A	N/A		10020710.D	15:14
2949-001 v	1.270 Fail		Vent	N/A	N/A		10020711.D	15:26
2949-001dup v	1.273 Fail		Vent	N/A	N/A		10020712.D	15:55
STD 100/80ppm S14-08060703	1.392 Pass	1.819 Pass	3.047 Pass	N/A	N/A		10020714.D	16:21

vv = Vent CO_2 / CH_4 v = Vent CO_2 N/A : Not Applicable

Continuing Calibration Standards Summary (ppm)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide			TGMNO	File ID	Time
ACTUAL	100.1	80.1	100.7			101.2		
CCV Criteria (+/- %D)	**15.0%**	**15.0%**	**15.0%**			**15.0%**		
STD 100/80ppm S14-08060703	98.7 Pass	79.2 Pass	94.3 Pass			108.6 Pass	10020701.D	09:11
STD 100/80ppm S14-08060703	94.5 Pass	75.8 Pass	92.4 Pass			104.7 Pass	10020714.D	16:21

LCS / LCS Dup Summary (ppm, without DF correction)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide			TGMNO	File ID	Time
LCS Actual Conc. (ppm)	57.9	57.5	57.9			345.0		
LCS Criteria (% Range)	**86% -122%**	**81% - 118%**	**81% - 124%**			**81% - 116%**		
LCS 345ppm S14-04050603	60.5	58.6	57.6			330.9	10020704.D	Oct 2007 10:00
LCS % Recovery	105%	102%	100%			96%		
	Pass	Pass	Pass			Pass		

Lab Dup Summary (ppm, without DF correction)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide			TGMNO	File ID	Time
2949-001 v	0.7	ND	Vent			2.2	10020711.D	Oct 2007 15:26
2949-001dup v	1.1	ND	Vent			2.0	10020712.D	Oct 2007 15:55
Duplicate % RPD	47.3%					6.5%		
Duplicate Criteria % RPD	**20%**	**26%**	**15%**			**16%**		
	Fail					Pass		

29

Modified EPA Method 25C Daily QC Summary

Job# : TRC P2702949
Analyst : WHH
Method Name : EPA 25C TCA/FID Analysis for TGNMO

Instrument : GC01/TCD1
Date Analyzed : 10/3/07
Printed : 11/14/07

RT Summaries and QC Check (minutes)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide	TGNMO-1	TGMNO-2		File ID	Time
ICAL Mean RT	**1.366**	**1.799**	**3.038**	**4.833**				
RT Windows (+/- min)	**0.330**	**0.330**	**0.330**	**0.330**				
STD 100/80ppm S14-08060703	1.389	1.812	3.035	4.848			10030702.D	09:26
+/- 0.33min of ICAL Mean RT	Pass	Pass	Pass	Pass				
MB				N/A	N/A		10030703.D	09:43
Lab Air		1.815 Pass	3.040 Pass	N/A	N/A		10030704.D	10:01
LCS 345ppm S14-04050602	1.391 Pass	1.815 Pass	3.040 Pass	N/A	N/A		10030705.D	10:24
3042-001 v	1.252 Pass	1.811 Pass	Vent	N/A	N/A		10030706.D	10:39
3042-001dup v	1.445 Pass	1.809 Pass	Vent	N/A	N/A		10030707.D	10:53
2949-002 v	1.270 Pass	1.824 Pass	Vent	N/A	N/A		10030709.D	11:25
2949-003 v	1.263 Pass	1.823 Pass	Vent	N/A	N/A		10030710.D	11:39
2949-004 v	1.259 Pass	1.804 Pass	Vent	N/A	N/A		10030711.D	12:05
2949-006 v	1.385 Pass	1.822 Pass	Vent	N/A	N/A		10030713.D	12:51
2949-011 v	1.258 Pass	1.827 Pass	Vent	N/A	N/A		10030714.D	13:04
STD 100/80ppm S14-08060703	1.400 Pass	1.827 Pass	3.054 Pass	N/A	N/A		10030717.D	14:11
2949-005 v	1.283 Pass	1.822 Pass	Vent	N/A	N/A		10030722.D	15:44
STD 100/80ppm S14-08060703	1.400 Pass	1.827 Pass	3.060 Pass	N/A	N/A		10030723.D	15:57

vv = Vent CO_2 / CH_4 v = Vent CO_2 N/A : Not Applicable

Continuing Calibration Standards Summary (ppm)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide			TGMNO	File ID	Time
ACTUAL	100.1	80.1	100.7			101.2		
CCV Criteria (+/- %D)	**10.0%**	**10.0%**	**10.0%**			**10.0%**		
STD 100/80ppm S14-08060703	91.7 Pass	73.5 Pass	88.8 Fail			102.0 Pass	10030702.D	09:26
STD 100/80ppm S14-08060703	93.4 Pass	74.3 Pass	97.8 Pass			103.5 Pass	10030717.D	14:11
STD 100/80ppm S14-08060703	91.4 Pass	73.1 Pass	119.3 Fail			101.3 Pass	10030723.D	15:57

LCS / LCS Dup Summary (ppm, without DF correction)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide			TGMNO	File ID	Time
LCS Actual Conc. (ppm)	57.9	57.5	57.9			345.0		
LCS Criteria (% Range)	**96% -120%**	**96% - 128%**	**81% - 117%**			**82% - 109%**		
LCS 345ppm S14-04050602	57.0	55.3	55.0			312.4	10030705.D	Oct 2007 10:24
LCS % Recovery	98%	96%	95%			91%		
	Pass	Pass	Pass			Pass		

Lab Dup Summary (ppm, without DF correction)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide			TGMNO	File ID	Time
3042-001 v	0.5	1.2	Vent			ND	10030706.D	Oct 2007 10:39
3042-001dup v	0.4	1.1	Vent			ND	10030707.D	Oct 2007 10:53
Duplicate % RPD	25.6%	6.4%						
Duplicate Criteria % RPD	**20%**	**26%**	**15%**			**16%**		
	Fail	Pass						

30

Modified EPA Method 25C Daily QC Summary

Job# : TRC P2702949
Analyst : WHH
Method Name : EPA 25C TCA/FID Analysis for TGNMO

Instrument : GC01/TCD1
Date Analyzed : 10/8/07
Printed : 11/14/07

RT Summaries and QC Check (minutes)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide	TGNMO-1	TGMNO-2		File ID	Time
ICAL Mean RT	1.366	1.799	3.038	4.833				
RT Windows (+/- min)	0.330	0.330	0.330	0.330				
STD 100/80ppm S14-08060703	1.398	1.824	3.052	4.851			10080702.D	09:33
+/- 0.33min of ICAL Mean RT	Pass	Pass	Pass	Pass				
MB				N/A	N/A		10080703.D	09:45
Lab Air	1.242 Pass	1.828 Pass	3.056 Pass	N/A	N/A		10080704.D	10:06
LCS 345ppm S14-04050602	1.401 Pass	1.829 Pass	3.060 Pass	N/A	N/A		10080705.D	10:38
STD 100/80ppm S14-08060703	1.404 Pass	1.833 Pass	3.065 Pass	N/A	N/A		10080711.D	13:09
2949-007 v	1.256 Pass	1.829 Pass	Vent	N/A	N/A		10080713.D	16:16
2949-007dup v	1.257 Pass	1.827 Pass	Vent	N/A	N/A		10080714.D	16:31
STD 100/80ppm S14-08060703	1.398 Pass	1.827 Pass	3.057 Pass	N/A	N/A		10080716.D	17:20

vv = Vent CO_2 / CH_4 v = Vent CO_2 N/A : Not Applicable

Continuing Calibration Standards Summary (ppm)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide			TGMNO	File ID	Time
ACTUAL	100.1	80.1	100.7			101.2		
CCV Criteria (+/- %D)	10.0%	10.0%	10.0%			10.0%		
STD 100/80ppm S14-08060703	91.9 Pass	74.2 Pass	87.7 Fail			101.5 Pass	10080702.D	09:33
STD 100/80ppm S14-08060703	94.8 Pass	76.5 Pass	91.3 Pass			104.7 Pass	10080711.D	13:09
STD 100/80ppm S14-08060703	93.3 Pass	75.0 Pass	88.7 Fail			103.0 Pass	10080716.D	17:20

LCS / LCS Dup Summary (ppm, without DF correction)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide			TGMNO	File ID	Time
LCS Actual Conc. (ppm)	57.9	57.5	57.9			345.0		
LCS Criteria (% Range)	96% -120%	96% - 128%	81% - 117%			82% - 109%		
LCS 345ppm S14-04050602	62.2	60.0	58.9			338.3	10080705.D	Oct 2007 10:38
LCS % Recovery	107%	104%	102%			98%		
	Pass	Pass	Pass			Pass		

Lab Dup Summary (ppm, without DF correction)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide			TGMNO	File ID	Time
2949-007 v	0.5	0.9	Vent			ND	10080713.D	Oct 2007 16:16
2949-007dup v	0.5	1.0	Vent			ND	10080714.D	Oct 2007 16:31
Duplicate % RPD	9.5%	7.4%						
Duplicate Criteria % RPD	20%	26%	15%			16%		
	Pass	Pass						

31

Injection Log

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

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
1	10200610.d	1.	STD 25C high level small loop	S14-10200601	20 Oct 106 12::1
1	10200611.d	1.	STD 25C high level normal loop	S14-10200601	20 Oct 106 12::3
1	10200612.d	1.	ICV S14-03270602		20 Oct 106 12::5
1	10200613.d	1.	ICV S14-03270602	aprox 100/80ppm	20 Oct 106 12::2
1	10200614.d	1.	x MB electrical noise		20 Oct 106 12::3
1	10200615.d	1.	MB good		20 Oct 106 12::0
1	10200616.d	1.	MB		20 Oct 106 12::2

10/23/06

32

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

DATE : 10 / 2 / 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\2007-10\021 **METHOD FILE NAME : J:\GC1\METHODS**_____**.M**

	DATA FILE HEADER INFO	CLIENT	ANALYST
01	Std 100/80 ppm 514-08060703		ZW
02	MB		
03	Lab Air		
04	LCS 345ppm 514-04050602		
05	2949-009 ✓		
06	-009		
07	-008		
08	-013		
09	-010		
10	-012		
11	-001		
12	-001 dup		
13	Std 100/80 ppm		
14			
15			
16		ZW	
17		10/9/07	
18			
19			
20			

	DATA FILE HEADER INFO	CLIENT	ANALYST
21			
22			
23			
24			
25			
26			
27			
28	ZW		
29			
30	10/9/07		
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			

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

DATE: 10 / 3 / 2007 *DATA SYSTEM*: HP Chemstation *ANALYSIS*: ___25C ✓25C(MOD.) ___3C ___3C(MOD.)

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

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

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

CARRIER GAS: He 25.1 mL/min

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

DATA PATHWAY : J:\GC1\DATA25C\2007-10\03\ **METHOD FILE NAME : J:\GC1\METHODS**_____**.M**

	DATA FILE HEADER INFO	CLIENT	ANALYST
01	Std 100/80ppm S14-080607 03		ZW
02	↓		↓
03	MB		
04	Lab Air		
05	LCS 345 ppm S14-0405 0602		
06	3042-001 ✓		
07	-001 dup		
08	-002		
09	2949-002		
10	-003		
11	-004		
12	-005		
13	-006		
14	-011		
15	2914-001		
16	-002		
17	Std 100/80 ppm		
18	3059-001 ✓		
19	-002		
20	-003		

	DATA FILE HEADER INFO	CLIENT	ANALYST
21	3059-004 ✓		ZW
22	2949-005		
23	Std 100/80 ppm		
24	Wait		
25	3059-001 ✓		
26	-002		
27	-003		
28	Std 100/80 ppm		
29			
30			
31		ZW	
32		10/9/07	
33			
34			
35			
36			
37			
38			
39			
40			

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

DATE: 10 / 8 / 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\2007-10\081 **METHOD FILE NAME : J:\GC1\METHODS**_____**.M**

	DATA FILE HEADER INFO	CLIENT	ANALYST
01	Std 100/80 ppm 514-08060703		zw
02	↓		↓
03	MB		
04	Lab Air		
05	LCS 345 ppm 514-07240701		
06	3041-001 ✓		
07	-001 dup		
08	-002		
09	wait		
10	Std 100/80 ppm		
11	↓		
12	wait		
13	2949-007 ✓		
14	-007 dup		
15	Std 100/80 ppm		
16	↓		
17	wait		
18		zw	
19			
20		10/9/07	

	DATA FILE HEADER INFO	CLIENT	ANALYST
21			
22			
23			
24			
25		zw	
26			
27		10/9/07	
28			
29			
30			
31			
32			
33			
34			
35			
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37			
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39			
40			

35

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW35-S-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-001

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00870

Date Collected: 9/20/07
Date Received: 9/24/07
Date Analyzed: 10/3/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -2.5 Pf 1 = 3.6

D.F. = 1.50

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.15	
7782-44-7 7440-37-1	Oxygen + Argon *	**13.7**	0.15	
7727-37-9	Nitrogen	**78.8**	0.15	
630-08-0	Carbon Monoxide	ND	0.15	
124-38-9	Carbon Dioxide	**7.56**	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: KWH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW35-S-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-001DUP

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00870

Date Collected: 9/20/07
Date Received: 9/24/07
Date Analyzed: 10/3/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -2.5 Pf 1 = 3.6

D.F. = 1.50

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.15	
7782-44-7 7440-37-1	Oxygen + Argon *	**13.6**	0.15	
7727-37-9	Nitrogen	**78.8**	0.15	
630-08-0	Carbon Monoxide	ND	0.15	
124-38-9	Carbon Dioxide	**7.57**	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: KLH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW35-D-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-002

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00334

Date Collected: 9/20/07
Date Received: 9/24/07
Date Analyzed: 10/2/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.5 Pf 1 = 3.6

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 *	**13.1**	0.16	
7727-37-9	Nitrogen	**79.7**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**7.15**	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: KWH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW35-DAC-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-003

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00933

Date Collected: 9/20/07
Date Received: 9/24/07
Date Analyzed: 10/3/07
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 *	**12.7**	0.15	
7727-37-9	Nitrogen	**79.7**	0.15	
630-08-0	Carbon Monoxide	ND	0.15	
124-38-9	Carbon Dioxide	**7.59**	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: KWH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW62-S-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-004

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00299

Date Collected: 9/20/07
Date Received: 9/24/07
Date Analyzed: 10/3/07
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 *	**2.51**	0.15	
7727-37-9	Nitrogen	**76.2**	0.15	
630-08-0	Carbon Monoxide	ND	0.15	
74-82-8	Methane	**4.58**	0.15	
124-38-9	Carbon Dioxide	**16.7**	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: KWH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW62-I-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-005

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

Date Collected: 9/20/07
Date Received: 9/24/07
Date Analyzed: 10/3/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -2.6 Pf 1 = 3.5

D.F. = 1.50

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.15	
7782-44-7 7440-37-1	Oxygen + Argon *	**3.39**	0.15	
7727-37-9	Nitrogen	**81.9**	0.15	
630-08-0	Carbon Monoxide	ND	0.15	
124-38-9	Carbon Dioxide	**14.7**	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: KWH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW62-D-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-006

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00617

Date Collected: 9/20/07
Date Received: 9/24/07
Date Analyzed: 10/3/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -2.7 Pf 1 = 3.6
D.F. = 1.53

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.15	
7782-44-7 7440-37-1	Oxygen + Argon *	**20.2**	0.15	
7727-37-9	Nitrogen	**78.3**	0.15	
630-08-0	Carbon Monoxide	ND	0.15	
124-38-9	Carbon Dioxide	**1.47**	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: KWH Date: 10/09/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW62-Ambient-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-007

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00514

Date Collected: 9/20/07
Date Received: 9/24/07
Date Analyzed: 10/8/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.0 Pf 1 = 3.6
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 *	**22.2**	0.16	
7727-37-9	Nitrogen	**77.8**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	ND	0.16	

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

Verified By: KWH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW62-Ambient-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-007DUP

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00514

Date Collected: 9/20/07
Date Received: 9/24/07
Date Analyzed: 10/8/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.0 Pf 1 = 3.6

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 *	**22.2**	0.16	
7727-37-9	Nitrogen	**77.8**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	ND	0.16	

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

Verified By: KWH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW49-S-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-008

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00191

Date Collected: 9/20/07
Date Received: 9/24/07
Date Analyzed: 10/2/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.0 Pf 1 = 3.8
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 *	**10.4**	0.16	
7727-37-9	Nitrogen	**79.0**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**10.6**	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: KWH Date: 10/09/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW49-S-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-008DUP

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00191

Date Collected: 9/20/07
Date Received: 9/24/07
Date Analyzed: 10/2/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.5 Pf 1 = 3.6

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 *	**10.3**	0.16	
7727-37-9	Nitrogen	**79.0**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**10.7**	0.16	

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

Verified By: Kent Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW49-I-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-009

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00663

Date Collected: 9/20/07
Date Received: 9/24/07
Date Analyzed: 10/2/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -0.5 Pf 1 = 3.6

D.F. = 1.29

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.13	
7782-44-7 7440-37-1	Oxygen + Argon *	**4.00**	0.13	
7727-37-9	Nitrogen	**81.6**	0.13	
630-08-0	Carbon Monoxide	ND	0.13	
124-38-9	Carbon Dioxide	**14.4**	0.13	

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

Verified By: KEH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW49-D-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-010

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00740

Date Collected: 9/20/07
Date Received: 9/24/07
Date Analyzed: 10/2/07
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 *	**3.98**	0.16	
7727-37-9	Nitrogen	**81.5**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**14.5**	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: KLH Date: 10/09/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW58-S-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-011

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00030

Date Collected: 9/20/07
Date Received: 9/24/07
Date Analyzed: 10/3/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.1 Pf 1 = 3.5

D.F. = 1.57

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.16	
7782-44-7 7440-37-1	Oxygen + Argon *	**6.79**	0.16	
7727-37-9	Nitrogen	**83.3**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**9.88**	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: KaH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW58-I-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-012

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00672

Date Collected: 9/20/07
Date Received: 9/24/07
Date Analyzed: 10/2/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.3 Pf 1 = 3.5
D.F. = 1.60

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.16	
7782-44-7 7440-37-1	Oxygen + Argon *	**4.40**	0.16	
7727-37-9	Nitrogen	**81.2**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**14.4**	0.16	

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

Verified By: KuH Date: 10/09/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW58-D-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-013

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00650

Date Collected: 9/20/07
Date Received: 9/24/07
Date Analyzed: 10/2/07
Volume(s) Analyzed: 0.10 ml

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

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.16	
7782-44-7 7440-37-1	Oxygen + Argon *	**4.41**	0.16	
7727-37-9	Nitrogen	**81.0**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**14.6**	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: KWH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2702949
CAS Sample ID: P071002-MB

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

Date Collected: NA
Date Received: NA
Date Analyzed: 10/2/07
Volume(s) Analyzed: 0.10 ml

D.F. = 1.00

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

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

Verified By: KWH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2702949
CAS Sample ID: P071003-MB

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

Date Collected: NA
Date Received: NA
Date Analyzed: 10/3/07
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: KWH Date: 10/09/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2702949
CAS Sample ID: P071008-MB

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

Date Collected: NA
Date Received: NA
Date Analyzed: 10/8/07
Volume(s) Analyzed: 0.10 ml

D.F. = 1.00

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

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

Verified By: KLH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2702949
CAS Sample ID: P071002-LCS

Laboratory Control Sample Summary

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

Date Collected: NA
Date Received: NA
Date Analyzed: 10/02/07
Volume(s) Analyzed: NA

Compound	Spike Amount LCS ppmV	Result LCS ppmV	**% Recovery LCS**	Acceptance Limits	Data Qualifier
Hydrogen	40,300	38,800	**96**	90-110	
Oxygen + Argon *	50,600	51,500	**102**	90-110	
Nitrogen	50,100	53,100	**106**	90-110	
Carbon Monoxide	50,100	51,600	**103**	90-110	
Carbon Dioxide	50,100	51,400	**103**	90-110	

Verified By: KWH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2702949
CAS Sample ID: P071003-LCS

Laboratory Control Sample Summary

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

Date Collected: NA
Date Received: NA
Date Analyzed: 10/03/07
Volume(s) Analyzed: NA

Compound	Spike Amount LCS ppmV	Result LCS ppmV	**% Recovery LCS**	Acceptance Limits	Data Qualifier
Hydrogen	40,300	38,100	**95**	90-110	
Oxygen + Argon *	50,600	52,000	**103**	90-110	
Nitrogen	50,100	57,200	**114**	90-110	
Carbon Monoxide	50,100	50,900	**102**	90-110	
Methane	40,500	40,500	**100**	90-110	
Carbon Dioxide	50,100	50,800	**101**	90-110	

Verified By: KWH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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

CAS Project ID: P2702949
CAS Sample ID: P071008-LCS

Laboratory Control Sample Summary

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

Date Collected: NA
Date Received: NA
Date Analyzed: 10/08/07
Volume(s) Analyzed: NA

Compound	Spike Amount LCS ppmV	Result LCS ppmV	**% Recovery LCS**	Acceptance Limits	Data Qualifier
Hydrogen	40,300	39,000	**97**	90-110	
Oxygen + Argon *	50,600	50,500	**100**	90-110	
Nitrogen	50,100	49,900	**100**	90-110	
Carbon Monoxide	50,100	51,800	**103**	90-110	
Carbon Dioxide	50,100	51,900	**104**	90-110	

Verified By: KLH Date: 10/09/07

Response Factor Report GC 01

Method : J:\GC01\METHODS\3C082007.M (Chemstation Integrator)
Title : EPA 3C GC/TCD Analysis for Fixed Gases
Last Update : Wed Jun 13 16:10:10 2007

Calibration Files
1 =08200708.D 2 =08200709.D 3 =08200710.D
4 =08200711.D 5 =08200712.D

	Compound	1	2	3	4	5	Avg		%RSD
1)	Hydrogen	0.858	0.834	0.916	1.084	0.962	0.931	E1	10.66
2)	Oxygen	1.395	1.175	1.301	1.319	1.104	1.259	E1	9.31
3)	Nitrogen	1.675	1.341	1.459	1.507	1.282	1.453	E1	10.54
4)	Carbon Monoxide	1.375	1.292	1.442	1.479	1.249	1.367	E1	7.11
5)	Methane	1.029	0.983	1.087	1.103	0.931	1.027	E1	6.97
6)	Carbon Dioxide	1.535	1.500	1.663	1.680	1.415	1.559	E1	7.18

8/21/07

(#) = Out of Range

Compound #1: Hydrogen (Page 3)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	34.255	294			
2	681.700	5684			
3	4010.000	36737			
4	41984.700	455255			
5	72180.000	694699			

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

Area Correction Mass: 0.00

Correction Factor: 0.000

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

Compound #2: Oxygen (Page 3)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	43.010	600			
2	849.490	9984			
3	4997.000	65000			
4	52318.590	690251			
5	89946.000	993213			

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

Area Correction Mass: 0.00

Correction Factor: 0.000

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

Compound #3: Nitrogen (Page 3)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	42.585	713			
2	859.180	11525			
3	5054.000	73717			
4	52915.380	797242			
5	90972.000	1166444			

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

Area Correction/Mass: 0.00

Correction Factor: 0.000

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

Compound #4: Carbon Monoxide (Page 3)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	42.585	585			
2	850.850	10994			
3	5005.000	72179			
4	52402.350	775048			
5	90090.000	1124961			

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

Area Correction Bias 0.00

Correction Factor 0.000

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

Compound #5: Methane (Page 3)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	34.425	354			
2	680.850	6693			
3	4005.000	43525			
4	41932.350	462524			
5	72090.000	671241			

	Integration Parameter File	Sum?
Tgt		
Q1		
Q2		
Q3		

Area Correction Mass 0.00

Correction Factor 0.000

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

Compound #6: Carbon Dioxide (Page 3)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	42.585	654			
2	856.120	12846			
3	5036.000	83745			
4	52726.692	885704			
5	90648.000	1282927			

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

Area Correction Mass: 0.00

Correction Factor: 0.000

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

Modified EPA Method 3C Daily QC Summary

Calient & job# : TRC P2702949
Analyst : WHH
Method Name : EPA 3C GC/TCD Analysis for Fixed Gases

Instrument : GC01/TCD1
Date Analyzed : 10/2/07
Printed : 10/8/07

RT Summaries and QC Check (minutes)

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	File ID	Time
ICAL Mean RT	0.754	2.291	2.472	3.165	5.134	6.786		
RT Windows (+/- min)	0.125	0.137	0.125	0.216	0.142	0.216		
STD 50000ppm S14-12070502	0.714	2.256	2.438	3.125	5.127	6.786	10020701.D	09:11
+/- 0.33min of ICAL Mean RT	Pass	Pass	Pass	Pass	Pass	Pass		
MB							10020702.D	09:33
Lab Air		2.200 Pass	2.343 Pass			6.788 Pass	10020703.D	09:45
LCS 50000ppm S14-07240701	0.714 Pass	2.257 Pass	2.438 Pass	3.127 Pass	5.122 Pass	6.783 Pass	10020704.D	10:00
2949-008		2.244 Pass	2.388 Pass			6.784 Pass	10020705.D	10:16
2949-008 dup		2.234 Pass	2.378 Pass			6.780 Pass	10020706.D	10:29
2949-009		2.252 Pass	2.381 Pass			6.786 Pass	10020707.D	14:21
2949-013		2.242 Pass	2.378 Pass			6.778 Pass	10020709.D	15:01
2949-010		2.234 Pass	2.366 Pass			6.776 Pass	10020710.D	15:14
2949-012		2.241 Pass	2.378 Pass			6.780 Pass	10020711.D	15:26
2949-002		2.227 Pass	2.369 Pass			6.780 Pass	10020712.D	15:55
STD 50000ppm S14-12070502	0.709 Pass	2.252 Pass	2.433 Pass	3.124 Pass	5.121 Pass	6.783 Pass	10020713.D	16:09

Continuing Calibration Standards Summary (ppm)

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	File ID	Time
ACTUAL	40100.0	49970.0	50540.0	50050.0	40050.0	50360.0		
CCV Criteria (+/- %D)	15.0%	10.0%	10.0%	10.0%	10.0%	10.0%		
STD 50000ppm S14-12070502	39285.3 Pass	52142.297 Pass	50045.208 Pass	52872.446 Pass	42461.867 Pass	52672.847 Pass	10020701.D	09:11
STD 50000ppm S14-12070502	39611.094 Pass	51176.435 Pass	49246.553 Pass	52286.474 Pass	42278.384 Pass	52409.929 Pass	10020713.D	16:09

Lab Dup Summary (ppm, without DF correction and nomalization)

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	File ID	Time
Duplicate Criteria % RPD	37%	24%	19%	7%	10%	15%		
2949-008		63883.5	486842.1			65104.8	10020705.D	10:16
2949-008 dup		63125.4	484683.4			65419.2	10020706.D	10:29
Duplicate % RPD		1.2% Pass	0.4% Pass			0.5% Pass		

LCS / LCS Dup Summary (ppm, without DF correction)

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	File ID	Time
LCS Actual Conc. (ppm)	40300.0	50600.0	50100.0	50100.0	40500.0	50100.0		
LCS Criteria (% Range)	85% -115%	90% - 110%	90% - 110%	90% - 110%	90% - 110%	90% - 110%		
LCS 50000ppm S14-07240701	38783.4	51498.6	53135.1	51555.6	41146.8	51422.6	10020704.D	Oct 2007 10:00
LCS % Recovery	96% Pass	102% Pass	106% Pass	103% Pass	102% Pass	103% Pass		

Lab Air QC Summary

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxid	Methane	Carbon Dioxide	Lab Air Criteria Total (90%-110%)
Lab Air		206602.9	747538.2			380.9	95.5% Pass
Lab Air Normalized (%)		21.64%	78.31%			0.04%	100.0%

Modified EPA Method 3C Daily QC Summary

Calient & job# : TRC P2702949
Analyst : WHH
Method Name : EPA 3C GC/TCD Analysis for Fixed Gases

Instrument : GC01/TCD1
Date Analyzed : 10/3/07
Printed : 10/8/07

RT Summaries and QC Check (minutes)

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	File ID	Time
ICAL Mean RT	0.754	2.291	2.472	3.165	5.134	6.786		
RT Windows (+/- min)	0.125	0.137	0.125	0.216	0.142	0.216		
STD 50000ppm S14-12070502	0.709	2.251	2.432	3.124	5.121	6.783	10030701.D	09:11
+/- 0.33min of ICAL Mean RT	Pass	Pass	Pass	Pass	Pass	Pass		
MB							10030702.D	09:26
Lab Air		2.217 Pass	2.360 Pass			6.793 Pass	10030703.D	09:43
LCS 50000ppm S14-07240701	0.717 Pass	2.263 Pass	2.444 Pass	3.136 Pass	5.130 Pass	6.791 Pass	10030704.D	10:01
2949-001		2.230 Pass	2.375 Pass			6.781 Pass	10030705.D	10:24
2949-001dup		2.241 Pass	2.387 Pass			6.789 Pass	10030706.D	10:39
2949-003		2.229 Pass	2.370 Pass			6.788 Pass	10030707.D	10:53
2949-004		2.240 Pass	2.368 Pass		5.119 Pass	6.773 Pass	10030708.D	11:13
2949-005		2.244 Pass	2.377 Pass			6.779 Pass	10030709.D	11:25
2949-006		2.238 Pass	2.391 Pass			6.794 Pass	10030710.D	11:39
2949-011		2.238 Pass	2.372 Pass			6.784 Pass	10030711.D	12:05
STD 50000ppm S14-12070502	0.718 Pass	2.259 Pass	2.440 Pass	3.129 Pass	5.124 Pass	6.787 Pass	10030715.D	13:16

Continuing Calibration Standards Summary (ppm)

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	File ID	Time
ACTUAL	40100.0	49970.0	50540.0	50050.0	40050.0	50360.0		
CCV Criteria (+/- %D)	15.0%	10.0%	10.0%	10.0%	10.0%	10.0%		
STD 50000ppm S14-12070502	40074.1 Pass	52022.591 Pass	50615.329 Pass	53482.667 Pass	43302.305 Pass	53590.638 Pass	10030701.D	09:11
STD 50000ppm S14-12070502	40195.185 Pass	52784.677 Pass	50762.289 Pass	53789.708 Pass	43222.552 Pass	53882.546 Pass	10030715.D	13:16

Lab Dup Summary (ppm, without DF correction and nomalization)

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	File ID	Time
Duplicate Criteria % RPD	37%	24%	19%	7%	10%	15%		
2949-001		88289.8	509458.2			48904.4	10030705.D	10:24
2949-001dup		88284.0	510061.3			49012.2	10030706.D	10:39
Duplicate % RPD		0.0% Pass	0.1% Pass			0.2% Pass		

LCS / LCS Dup Summary (ppm, without DF correction)

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	File ID	Time
LCS Actual Conc. (ppm)	40300.0	50600.0	50100.0	50100.0	40500.0	50100.0		
LCS Criteria (% Range)	85% -115%	90% - 110%	90% - 110%	90% - 110%	90% - 110%	90% - 110%		
LCS 50000ppm S14-07240701	38093.5	51979.1	57186.1	50881.1	40517.6	50795.3	10030704.D	Oct 2007 10:01
LCS % Recovery	95% Pass	103% Pass	114% Fail	102% Pass	100% Pass	101% Pass		

Lab Air QC Summary

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxid	Methane	Carbon Dioxide	Lab Air Criteria Total (90%-110%)
Lab Air		210046.0	748193.1			441.9	95.9% Pass
Lab Air Normalized (%)		21.91%	78.04%			0.05%	100.0%

66

Modified EPA Method 3C Daily QC Summary

Calient & job# : TRc P2702949
Analyst : WHH
Method Name : EPA 3C GC/TCD Analysis for Fixed Gases

Instrument : GC01/TCD1
Date Analyzed : 10/8/07
Printed : 11/14/07

RT Summaries and QC Check (minutes)

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	File ID	Time
ICAL Mean RT	0.754	2.291	2.472	3.165	5.134	6.786		
RT Windows (+/- min)	0.125	0.137	0.125	0.216	0.142	0.216		
STD 50000ppm S14-12070502	0.715	2.258	2.439	3.130	5.125	6.788	10080701.D	09:18
+/- 0.33min of ICAL Mean RT	Pass	Pass	Pass	Pass	Pass	Pass		
MB							10080702.D	09:33
Lab Air		2.209 Pass	2.351 Pass			6.798 Pass	10080703.D	09:45
LCS 50000ppm S14-07240701	0.716 Pass	2.255 Pass	2.437 Pass	3.127 Pass	5.122 Pass	6.786 Pass	10080705.D	10:38
STD 50000ppm S14-12070502	0.718 Pass	2.263 Pass	2.444 Pass	3.135 Pass	5.130 Pass	6.791 Pass	10080715.D	14:32
2949-007		2.219 Pass	2.372 Pass				10080723.D	17:07
2949-007dup		2.223 Pass	2.376 Pass			6.783 Pass	10080724.D	17:20
STD 50000ppm S14-12070502	0.715 Pass	2.250 Pass	2.431 Pass	3.121 Pass	5.118 Pass	6.784 Pass	10080725.D	17:32

Continuing Calibration Standards Summary (ppm)

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	File ID	Time
ACTUAL	40400.0	50200.0	50100.0	49700.0	40150.0	49850.0		
CCV Criteria (+/- %D)	15.0%	10.0%	10.0%	10.0%	10.0%	10.0%		
STD 50000ppm S14-12070502	39719.8 Pass	52374.214 Pass	51020.492 Pass	53150.102 Pass	43006.674 Pass	53313.239 Pass	10080701.D	09:18
STD 50000ppm S14-12070502	40352.284 Pass	52545.288 Pass	50640.312 Pass	53499.095 Pass	43021.216 Pass	53089.789 Pass	10080715.D	14:32
STD 50000ppm S14-12070502	39988.087 Pass	52177.866 Pass	50172.828 Pass	52946.186 Pass	42669.423 Pass	53104.668 Pass	10080725.D	17:32

Lab Dup Summary (ppm, without DF correction and nomalization)

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	File ID	Time
Duplicate Criteria % RPD	37%	24%	19%	7%	10%	15%		
2949-007		136591.5	478963.3			~~229.2~~	10080723.D	17:07
2949-007dup		134622.4	472817.0				10080724.D	17:20
Duplicate % RPD		1.5% Pass	1.3% Pass			~~#VALUE!~~ ~~####~~		

LCS / LCS Dup Summary (ppm, without DF correction)

2W 11/14/07

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	File ID	Time
LCS Actual Conc. (ppm)	40400.0	50200.0	50100.0	49700.0	40150.0	49850.0		
LCS Criteria (% Range)	85% -115%	90% - 110%	90% - 110%	90% - 110%	90% - 110%	90% - 110%		
LCS 50000ppm S14-07240701	38958.4	50454.2	49863.8	51776.6	41508.1	51948.6	10080705.D	Oct 2007 10:38
LCS % Recovery	96% Pass	101% Pass	100% Pass	104% Pass	103% Pass	104% Pass		

Lab Air QC Summary

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxid	Methane	Carbon Dioxide	Lab Air Criteria Total (90%-110%)
Lab Air		212722.5	759196.1			437.5	97.2% Pass
Lab Air Normalized (%)		21.87%	78.07%			0.04%	100.0%

67

Injection Log

Directory: j:\gc01\data\fxg\2007_08\20

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	08200701.d	10.	STD 50000ppm S14-12150601		20 Aug 107 12::
2	1	08200702.d	10.	STD 50000ppm S14-12150601		20 Aug 107 13::
3	1	08200703.d	10.	MB		20 Aug 107 13::
4	1	08200704.d	10.	Lab Air		20 Aug 107 13::
5	1	08200705.d	10.	wait		20 Aug 107 13::
6	1	08200706.d	10.	test		20 Aug 107 12::
7	1	08200707.d	10.	test		20 Aug 107 12::
8	1	08200708.d	10.	STD-1 S14-03260601 (loop 0.17)		20 Aug 107 12::
9	1	08200709.d	10.	STD-2 S14-12150601 (loop 0.17)		20 Aug 107 12::
10	1	08200710.d	10.	STD-3 S14-12150601 (loop 1.0) good		20 Aug 107 12::
11	1	08200711.d	10.	STD-4 S14-12150601 (loop 10.47)		20 Aug 107 12::
12	1	08200712.d	10.	STD-5 S14-12150601 (loop 18.0)		20 Aug 107 12::
13	1	08200713.d	10.	misinject		20 Aug 107 12::
14	1	08200714.d	10.	ICV lab air		20 Aug 107 12::
15	1	08200715.d	10.	ICV 50000ppm S14-07240701		20 Aug 107 12::
16	1	08200716.d	10.	ICV 50000ppm S14-07240701 good		20 Aug 107 12::
17	1	08200717.d	10.	MB		20 Aug 107 12::
18	1	08200718.d	10.	MB good		21 Aug 107 13::

WT 8/22/07

68

22 Aug 07 16:04

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

DATE: 10 / 2 / 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\2007-10\02\ **METHOD FILE NAME : J:\GC1\METHODS**_____**.M**

	DATA FILE HEADER INFO	CLIENT	ANALYST
01	Std 50000 ppm S14-12070502		ZW
02	MB		
03	Lab Air		
04	LCS 50000 ppm S14-07240701		
05	2949-008		
06	-008 dup		
07	-009		
08	3036-001		
09	2949-013		
10	-010		
11	-012		
12	-002		
13	Std 50000 ppm		
14	wait		
15			
16		ZW	
17			
18		10/9/07	
19			
20			

	DATA FILE HEADER INFO	CLIENT	ANALYST
21			
22			
23			
24			
25			
26			
27			
28	ZW		
29			
30	10/9/07		
31			
32			
33			
34			
35			
36			
37			
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40			

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

DATE: 10 / 3 / 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\ Tx 1 2007-10\03 \ METHOD FILE NAME: J:\GC1\METHODS\ _____ .M

	DATA FILE HEADER INFO	CLIENT	ANALYST
01	Std 50000ppm 914-12070502		ZL
02	MB		
03	Lab Air		
04	LCS 50000 ppm 914-07240701		
05	2949-001		
06	-001 DUP		
07	-003		
08	-004		
09	-005		
10	-006		
11	-011		
12	2914-001		
13	2950-008		
14	-009		
15	Std 50000 ppm		
16	2950-010		
17	-011		
18	-002		
19	-003		
20	-001		
21	2950-002		ZL
22	-006		
23	-007		
24	-004		
25	-005		
26	Std 50000 ppm		
27	wait		
28			
29			
30			
31		ZL	
32		10/9/07	
33			
34			
35			
36			
37			
38			
39			
40			

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

DATE: 10 / 8 / 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\Exg\2007-10\08\ METHOD FILE NAME: J:\GC1\METHODS_____.M

	DATA FILE HEADER INFO	CLIENT	ANALYST
01	Std 50000 ppm 514-12070502		ZW
02	MB		
03	Lab Air		
04	LCS 50000 ppm 514-07240701		
05	↓		
06	2961-002		
07	-002 dup		
08	-005		
09	-011		
10	-008		
11	-014		
12	-020		
13	-017		
14	-023		
15	Std 50000 ppm		
16	2961-026		
17	-027		
18	-028		
19	-029		
20	-028		
21	2961-038		ZW
22	↓ -039		
23	2949-007		
24	↓ -007 dup		
25	Std 50000 ppm		
26			
27			
28			
29		ZW	
30		10/9/07	
31			
32			
33			
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36			
37			
38			
39			
40			

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW35-S-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-001

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00870

Date Collected: 9/20/07
Date Received: 9/24/07
Date(s) Analyzed: 10/1/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.5 Pf 1 = 3.6

Can D.F. = 1.50

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.5	ND	0.73	
75-01-4	Vinyl Chloride	ND	1.5	ND	0.59	
74-83-9	Bromomethane	ND	1.5	ND	0.39	
75-00-3	Chloroethane	ND	1.5	ND	0.57	
67-64-1	Acetone	**16**	7.5	**6.7**	3.2	**M**
75-69-4	Trichlorofluoromethane	**2.1**	1.5	**0.37**	0.27	
75-35-4	1,1-Dichloroethene	ND	1.5	ND	0.38	
75-09-2	Methylene chloride	ND	1.5	ND	0.43	
76-13-1	Trichlorotrifluoroethane	ND	1.5	ND	0.20	
75-15-0	Carbon Disulfide	ND	1.5	ND	0.48	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	ND	0.38	
75-34-3	1,1-Dichloroethane	ND	1.5	ND	0.37	
1634-04-4	Methyl tert-Butyl Ether	ND	1.5	ND	0.42	
108-05-4	Vinyl Acetate	ND	7.5	ND	2.1	
78-93-3	2-Butanone (MEK)	**2.8**	1.5	**0.95**	0.51	
156-59-2	cis-1,2-Dichloroethene	ND	1.5	ND	0.38	
67-66-3	Chloroform	ND	1.5	ND	0.31	
107-06-2	1,2-Dichloroethane	ND	1.5	ND	0.37	
71-55-6	1,1,1-Trichloroethane	**12**	1.5	**2.2**	0.28	
71-43-2	Benzene	**2.0**	1.5	**0.62**	0.47	
56-23-5	Carbon Tetrachloride	ND	1.5	ND	0.24	
78-87-5	1,2-Dichloropropane	ND	1.5	ND	0.32	

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

Verified By: KWH Date: 10/09/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW35-S-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-001

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00870

Date Collected: 9/20/07
Date Received: 9/24/07
Date(s) Analyzed: 10/1/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.5 Pf 1 = 3.6

Can D.F. = 1.50

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.5	ND	0.22	
79-01-6	Trichloroethene	**57**	1.5	**11**	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	**13**	1.5	**3.6**	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	**42**	1.5	**6.2**	0.22	
108-90-7	Chlorobenzene	ND	1.5	ND	0.33	
100-41-4	Ethylbenzene	**1.8**	1.5	**0.41**	0.35	
179601-23-1	*m,p*-Xylenes	**7.3**	1.5	**1.7**	0.35	
75-25-2	Bromoform	ND	1.5	ND	0.15	
100-42-5	Styrene	**2.7**	1.5	**0.65**	0.35	
95-47-6	o-Xylene	**2.6**	1.5	**0.60**	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: KLH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW35-D-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-002

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00334

Date Collected: 9/20/07
Date Received: 9/24/07
Date(s) Analyzed: 10/1/07
Volume(s) Analyzed: 0.070 Liter(s)

Pi 1 = -3.5 Pf 1 = 3.6

Can D.F. = 1.63

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	23	ND	11	
75-01-4	Vinyl Chloride	ND	23	ND	9.1	
74-83-9	Bromomethane	ND	23	ND	6.0	
75-00-3	Chloroethane	ND	23	ND	8.8	
67-64-1	Acetone	ND	120	ND	49	
75-69-4	Trichlorofluoromethane	ND	23	ND	4.1	
75-35-4	1,1-Dichloroethene	ND	23	ND	5.9	
75-09-2	Methylene chloride	ND	23	ND	6.7	
76-13-1	Trichlorotrifluoroethane	ND	23	ND	3.0	
75-15-0	Carbon Disulfide	ND	23	ND	7.5	
156-60-5	trans-1,2-Dichloroethene	ND	23	ND	5.9	
75-34-3	1,1-Dichloroethane	ND	23	ND	5.8	
1634-04-4	Methyl tert-Butyl Ether	ND	23	ND	6.5	
108-05-4	Vinyl Acetate	ND	120	ND	33	
78-93-3	2-Butanone (MEK)	ND	23	ND	7.9	
156-59-2	cis-1,2-Dichloroethene	ND	23	ND	5.9	
67-66-3	Chloroform	**63**	23	**13**	4.8	
107-06-2	1,2-Dichloroethane	ND	23	ND	5.8	
71-55-6	1,1,1-Trichloroethane	ND	23	ND	4.3	
71-43-2	Benzene	ND	23	ND	7.3	
56-23-5	Carbon Tetrachloride	ND	23	ND	3.7	
78-87-5	1,2-Dichloropropane	ND	23	ND	5.0	

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: KuH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW35-D-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-002

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00334

Date Collected: 9/20/07
Date Received: 9/24/07
Date(s) Analyzed: 10/1/07
Volume(s) Analyzed: 0.070 Liter(s)

Pi 1 = -3.5 Pf 1 = 3.6

Can D.F. = 1.63

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	23	ND	3.5	
79-01-6	Trichloroethene	**2,200**	23	**410**	4.3	
10061-01-5	cis-1,3-Dichloropropene	ND	23	ND	5.1	
108-10-1	4-Methyl-2-pentanone	ND	23	ND	5.7	
10061-02-6	trans-1,3-Dichloropropene	ND	23	ND	5.1	
79-00-5	1,1,2-Trichloroethane	ND	23	ND	4.3	
108-88-3	Toluene	ND	23	ND	6.2	
591-78-6	2-Hexanone	ND	23	ND	5.7	
124-48-1	Dibromochloromethane	ND	23	ND	2.7	
106-93-4	1,2-Dibromoethane	ND	23	ND	3.0	
127-18-4	Tetrachloroethene	**34**	23	**5.0**	3.4	
108-90-7	Chlorobenzene	ND	23	ND	5.1	
100-41-4	Ethylbenzene	ND	23	ND	5.4	
179601-23-1	*m,p*-Xylenes	ND	23	ND	5.4	
75-25-2	Bromoform	ND	23	ND	2.3	
100-42-5	Styrene	ND	23	ND	5.5	
95-47-6	o-Xylene	ND	23	ND	5.4	
79-34-5	1,1,2,2-Tetrachloroethane	ND	23	ND	3.4	
541-73-1	1,3-Dichlorobenzene	ND	23	ND	3.9	
106-46-7	1,4-Dichlorobenzene	ND	23	ND	3.9	
95-50-1	1,2-Dichlorobenzene	ND	23	ND	3.9	

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

Verified By: KWH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW35-DAC-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-003

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00933

Date Collected: 9/20/07
Date Received: 9/24/07
Date(s) Analyzed: 10/1/07
Volume(s) Analyzed: 0.060 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	25	ND	12	
75-01-4	Vinyl Chloride	ND	25	ND	9.9	
74-83-9	Bromomethane	ND	25	ND	6.5	
75-00-3	Chloroethane	ND	25	ND	9.6	
67-64-1	Acetone	ND	130	ND	53	
75-69-4	Trichlorofluoromethane	ND	25	ND	4.5	
75-35-4	1,1-Dichloroethene	ND	25	ND	6.4	
75-09-2	Methylene chloride	ND	25	ND	7.3	
76-13-1	Trichlorotrifluoroethane	ND	25	ND	3.3	
75-15-0	Carbon Disulfide	ND	25	ND	8.1	
156-60-5	trans-1,2-Dichloroethene	ND	25	ND	6.4	
75-34-3	1,1-Dichloroethane	ND	25	ND	6.3	
1634-04-4	Methyl tert-Butyl Ether	ND	25	ND	7.0	
108-05-4	Vinyl Acetate	ND	130	ND	36	
78-93-3	2-Butanone (MEK)	ND	25	ND	8.6	
156-59-2	cis-1,2-Dichloroethene	ND	25	ND	6.4	
67-66-3	Chloroform	**66**	25	**13**	5.2	
107-06-2	1,2-Dichloroethane	ND	25	ND	6.3	
71-55-6	1,1,1-Trichloroethane	ND	25	ND	4.6	
71-43-2	Benzene	ND	25	ND	7.9	
56-23-5	Carbon Tetrachloride	ND	25	ND	4.0	
78-87-5	1,2-Dichloropropane	ND	25	ND	5.5	

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: KWH Date: 10/09/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW35-DAC-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-003

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00933

Date Collected: 9/20/07
Date Received: 9/24/07
Date(s) Analyzed: 10/1/07
Volume(s) Analyzed: 0.060 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	25	ND	3.8	
79-01-6	Trichloroethene	**2,300**	25	**420**	4.7	
10061-01-5	cis-1,3-Dichloropropene	ND	25	ND	5.6	
108-10-1	4-Methyl-2-pentanone	ND	25	ND	6.2	
10061-02-6	trans-1,3-Dichloropropene	ND	25	ND	5.6	
79-00-5	1,1,2-Trichloroethane	ND	25	ND	4.6	
108-88-3	Toluene	ND	25	ND	6.7	
591-78-6	2-Hexanone	ND	25	ND	6.2	
124-48-1	Dibromochloromethane	ND	25	ND	3.0	
106-93-4	1,2-Dibromoethane	ND	25	ND	3.3	
127-18-4	Tetrachloroethene	**36**	25	**5.3**	3.7	
108-90-7	Chlorobenzene	ND	25	ND	5.5	
100-41-4	Ethylbenzene	ND	25	ND	5.8	
179601-23-1	*m,p*-Xylenes	ND	25	ND	5.8	
75-25-2	Bromoform	ND	25	ND	2.5	
100-42-5	Styrene	ND	25	ND	6.0	
95-47-6	o-Xylene	ND	25	ND	5.8	
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	ND	3.7	
541-73-1	1,3-Dichlorobenzene	ND	25	ND	4.2	
106-46-7	1,4-Dichlorobenzene	ND	25	ND	4.2	
95-50-1	1,2-Dichlorobenzene	ND	25	ND	4.2	

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: KWH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW62-S-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-004

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00299

Date Collected: 9/20/07
Date Received: 9/24/07
Date(s) Analyzed: 10/2/07
Volume(s) Analyzed: 0.035 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	42	ND	20	
75-01-4	Vinyl Chloride	ND	42	ND	16	
74-83-9	Bromomethane	ND	42	ND	11	
75-00-3	Chloroethane	ND	42	ND	16	
67-64-1	Acetone	ND	210	ND	88	
75-69-4	Trichlorofluoromethane	ND	42	ND	7.5	
75-35-4	1,1-Dichloroethene	ND	42	ND	11	
75-09-2	Methylene chloride	ND	42	ND	12	
76-13-1	Trichlorotrifluoroethane	ND	42	ND	5.5	
75-15-0	Carbon Disulfide	ND	42	ND	13	
156-60-5	trans-1,2-Dichloroethene	ND	42	ND	11	
75-34-3	1,1-Dichloroethane	ND	42	ND	10	
1634-04-4	Methyl tert-Butyl Ether	ND	42	ND	12	
108-05-4	Vinyl Acetate	ND	210	ND	60	
78-93-3	2-Butanone (MEK)	ND	42	ND	14	
156-59-2	cis-1,2-Dichloroethene	ND	42	ND	11	
67-66-3	Chloroform	ND	42	ND	8.6	
107-06-2	1,2-Dichloroethane	ND	42	ND	10	
71-55-6	1,1,1-Trichloroethane	ND	42	ND	7.7	
71-43-2	Benzene	ND	42	ND	13	
56-23-5	Carbon Tetrachloride	ND	42	ND	6.7	
78-87-5	1,2-Dichloropropane	ND	42	ND	9.1	

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: KLH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW62-S-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-004

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00299

Date Collected: 9/20/07
Date Received: 9/24/07
Date(s) Analyzed: 10/2/07
Volume(s) Analyzed: 0.035 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	42	ND	6.3	
79-01-6	Trichloroethene	ND	42	ND	7.8	
10061-01-5	cis-1,3-Dichloropropene	ND	42	ND	9.3	
108-10-1	4-Methyl-2-pentanone	ND	42	ND	10	
10061-02-6	trans-1,3-Dichloropropene	ND	42	ND	9.3	
79-00-5	1,1,2-Trichloroethane	ND	42	ND	7.7	
108-88-3	Toluene	ND	42	ND	11	
591-78-6	2-Hexanone	ND	42	ND	10	
124-48-1	Dibromochloromethane	ND	42	ND	4.9	
106-93-4	1,2-Dibromoethane	ND	42	ND	5.5	
127-18-4	Tetrachloroethene	ND	42	ND	6.2	
108-90-7	Chlorobenzene	ND	42	ND	9.1	
100-41-4	Ethylbenzene	ND	42	ND	9.7	
179601-23-1	*m,p*-Xylenes	ND	42	ND	9.7	
75-25-2	Bromoform	ND	42	ND	4.1	
100-42-5	Styrene	ND	42	ND	9.9	
95-47-6	o-Xylene	ND	42	ND	9.7	
79-34-5	1,1,2,2-Tetrachloroethane	ND	42	ND	6.1	
541-73-1	1,3-Dichlorobenzene	ND	42	ND	7.0	
106-46-7	1,4-Dichlorobenzene	ND	42	ND	7.0	
95-50-1	1,2-Dichlorobenzene	ND	42	ND	7.0	

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: KUH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW62-I-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-005

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00097

Date Collected: 9/20/07
Date Received: 9/24/07
Date(s) Analyzed: 10/2/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.6 Pf 1 = 3.5

Can D.F. = 1.50

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.5	ND	0.73	
75-01-4	Vinyl Chloride	ND	1.5	ND	0.59	
74-83-9	Bromomethane	ND	1.5	ND	0.39	
75-00-3	Chloroethane	ND	1.5	ND	0.57	
67-64-1	Acetone	**21**	7.5	**9.0**	3.2	**M**
75-69-4	Trichlorofluoromethane	**2.4**	1.5	**0.43**	0.27	
75-35-4	1,1-Dichloroethene	ND	1.5	ND	0.38	
75-09-2	Methylene chloride	ND	1.5	ND	0.43	
76-13-1	Trichlorotrifluoroethane	ND	1.5	ND	0.20	
75-15-0	Carbon Disulfide	**1.6**	1.5	**0.51**	0.48	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	ND	0.38	
75-34-3	1,1-Dichloroethane	ND	1.5	ND	0.37	
1634-04-4	Methyl tert-Butyl Ether	ND	1.5	ND	0.42	
108-05-4	Vinyl Acetate	ND	7.5	ND	2.1	
78-93-3	2-Butanone (MEK)	**2.7**	1.5	**0.90**	0.51	
156-59-2	cis-1,2-Dichloroethene	ND	1.5	ND	0.38	
67-66-3	Chloroform	ND	1.5	ND	0.31	
107-06-2	1,2-Dichloroethane	ND	1.5	ND	0.37	
71-55-6	1,1,1-Trichloroethane	ND	1.5	ND	0.28	
71-43-2	Benzene	**3.3**	1.5	**1.0**	0.47	
56-23-5	Carbon Tetrachloride	ND	1.5	ND	0.24	
78-87-5	1,2-Dichloropropane	ND	1.5	ND	0.32	

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

Verified By: KuH Date: 10/9/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW62-I-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-005

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00097

Date Collected: 9/20/07
Date Received: 9/24/07
Date(s) Analyzed: 10/2/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.6 Pf 1 = 3.5

Can D.F. = 1.50

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.5	ND	0.22	
79-01-6	Trichloroethene	ND	1.5	ND	0.28	
10061-01-5	cis-1,3-Dichloropropene	ND	1.5	ND	0.33	
108-10-1	4-Methyl-2-pentanone	ND	1.5	ND	0.37	
10061-02-6	trans-1,3-Dichloropropene	ND	1.5	ND	0.33	
79-00-5	1,1,2-Trichloroethane	ND	1.5	ND	0.28	
108-88-3	Toluene	**14**	1.5	**3.7**	0.40	
591-78-6	2-Hexanone	ND	1.5	ND	0.37	
124-48-1	Dibromochloromethane	ND	1.5	ND	0.18	
106-93-4	1,2-Dibromoethane	ND	1.5	ND	0.20	
127-18-4	Tetrachloroethene	ND	1.5	ND	0.22	
108-90-7	Chlorobenzene	ND	1.5	ND	0.33	
100-41-4	Ethylbenzene	**1.8**	1.5	**0.42**	0.35	
179601-23-1	*m,p*-Xylenes	**7.5**	1.5	**1.7**	0.35	
75-25-2	Bromoform	ND	1.5	ND	0.15	
100-42-5	Styrene	**3.0**	1.5	**0.70**	0.35	
95-47-6	o-Xylene	**2.7**	1.5	**0.63**	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: KLH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW62-D-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-006

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00617

Date Collected: 9/20/07
Date Received: 9/24/07
Date(s) Analyzed: 10/2/07
Volume(s) Analyzed: 0.50 Liter(s)

Pi 1 = -2.7 Pf 1 = 3.6

Can D.F. = 1.53

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	0.79	
75-00-3	Chloroethane	ND	3.1	ND	1.2	
67-64-1	Acetone	ND	15	ND	6.4	
75-69-4	Trichlorofluoromethane	ND	3.1	ND	0.54	
75-35-4	1,1-Dichloroethene	ND	3.1	ND	0.77	
75-09-2	Methylene chloride	ND	3.1	ND	0.88	
76-13-1	Trichlorotrifluoroethane	ND	3.1	ND	0.40	
75-15-0	Carbon Disulfide	ND	3.1	ND	0.98	
156-60-5	trans-1,2-Dichloroethene	ND	3.1	ND	0.77	
75-34-3	1,1-Dichloroethane	ND	3.1	ND	0.76	
1634-04-4	Methyl tert-Butyl Ether	ND	3.1	ND	0.85	
108-05-4	Vinyl Acetate	ND	15	ND	4.3	
78-93-3	2-Butanone (MEK)	**3.1**	3.1	**1.1**	1.0	
156-59-2	cis-1,2-Dichloroethene	ND	3.1	ND	0.77	
67-66-3	Chloroform	ND	3.1	ND	0.63	
107-06-2	1,2-Dichloroethane	ND	3.1	ND	0.76	
71-55-6	1,1,1-Trichloroethane	ND	3.1	ND	0.56	
71-43-2	Benzene	**16**	3.1	**4.9**	0.96	
56-23-5	Carbon Tetrachloride	ND	3.1	ND	0.49	
78-87-5	1,2-Dichloropropane	ND	3.1	ND	0.66	

ND = Compound was analyzed for, but not detected above 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: KuH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW62-D-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-006

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00617

Date Collected: 9/20/07
Date Received: 9/24/07
Date(s) Analyzed: 10/2/07
Volume(s) Analyzed: 0.50 Liter(s)

Pi 1 = -2.7 Pf 1 = 3.6

Can D.F. = 1.53

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	3.1	ND	0.46	
79-01-6	Trichloroethene	ND	3.1	ND	0.57	
10061-01-5	cis-1,3-Dichloropropene	ND	3.1	ND	0.67	
108-10-1	4-Methyl-2-pentanone	ND	3.1	ND	0.75	
10061-02-6	trans-1,3-Dichloropropene	ND	3.1	ND	0.67	
79-00-5	1,1,2-Trichloroethane	ND	3.1	ND	0.56	
108-88-3	Toluene	**40**	3.1	**11**	0.81	
591-78-6	2-Hexanone	ND	3.1	ND	0.75	
124-48-1	Dibromochloromethane	ND	3.1	ND	0.36	
106-93-4	1,2-Dibromoethane	ND	3.1	ND	0.40	
127-18-4	Tetrachloroethene	ND	3.1	ND	0.45	
108-90-7	Chlorobenzene	ND	3.1	ND	0.66	
100-41-4	Ethylbenzene	**3.4**	3.1	**0.79**	0.70	
179601-23-1	*m,p*-Xylenes	**14**	3.1	**3.2**	0.70	
75-25-2	Bromoform	ND	3.1	ND	0.30	
100-42-5	Styrene	ND	3.1	ND	0.72	
95-47-6	o-Xylene	**4.2**	3.1	**0.96**	0.70	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.1	ND	0.45	
541-73-1	1,3-Dichlorobenzene	ND	3.1	ND	0.51	
106-46-7	1,4-Dichlorobenzene	ND	3.1	ND	0.51	
95-50-1	1,2-Dichlorobenzene	ND	3.1	ND	0.51	

ND = Compound was analyzed for, but not detected above 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: KLH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW62-D-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-006DUP

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00617

Date Collected: 9/20/07
Date Received: 9/24/07
Date(s) Analyzed: 10/2/07
Volume(s) Analyzed: 0.50 Liter(s)

Pi 1 = -2.7 Pf 1 = 3.6

Can D.F. = 1.53

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	0.79	
75-00-3	Chloroethane	ND	3.1	ND	1.2	
67-64-1	Acetone	ND	15	ND	6.4	
75-69-4	Trichlorofluoromethane	ND	3.1	ND	0.54	
75-35-4	1,1-Dichloroethene	ND	3.1	ND	0.77	
75-09-2	Methylene chloride	ND	3.1	ND	0.88	
76-13-1	Trichlorotrifluoroethane	ND	3.1	ND	0.40	
75-15-0	Carbon Disulfide	ND	3.1	ND	0.98	
156-60-5	trans-1,2-Dichloroethene	ND	3.1	ND	0.77	
75-34-3	1,1-Dichloroethane	ND	3.1	ND	0.76	
1634-04-4	Methyl tert-Butyl Ether	ND	3.1	ND	0.85	
108-05-4	Vinyl Acetate	ND	15	ND	4.3	
78-93-3	2-Butanone (MEK)	**3.1**	3.1	**1.1**	1.0	
156-59-2	cis-1,2-Dichloroethene	ND	3.1	ND	0.77	
67-66-3	Chloroform	ND	3.1	ND	0.63	
107-06-2	1,2-Dichloroethane	ND	3.1	ND	0.76	
71-55-6	1,1,1-Trichloroethane	ND	3.1	ND	0.56	
71-43-2	Benzene	**15**	3.1	**4.8**	0.96	
56-23-5	Carbon Tetrachloride	ND	3.1	ND	0.49	
78-87-5	1,2-Dichloropropane	ND	3.1	ND	0.66	

ND = Compound was analyzed for, but not detected above 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: KLH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW62-D-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-006DUP

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00617

Date Collected: 9/20/07
Date Received: 9/24/07
Date(s) Analyzed: 10/2/07
Volume(s) Analyzed: 0.50 Liter(s)

Pi 1 = -2.7 Pf 1 = 3.6

Can D.F. = 1.53

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	3.1	ND	0.46	
79-01-6	Trichloroethene	ND	3.1	ND	0.57	
10061-01-5	cis-1,3-Dichloropropene	ND	3.1	ND	0.67	
108-10-1	4-Methyl-2-pentanone	ND	3.1	ND	0.75	
10061-02-6	trans-1,3-Dichloropropene	ND	3.1	ND	0.67	
79-00-5	1,1,2-Trichloroethane	ND	3.1	ND	0.56	
108-88-3	Toluene	**40**	3.1	**11**	0.81	
591-78-6	2-Hexanone	ND	3.1	ND	0.75	
124-48-1	Dibromochloromethane	ND	3.1	ND	0.36	
106-93-4	1,2-Dibromoethane	ND	3.1	ND	0.40	
127-18-4	Tetrachloroethene	ND	3.1	ND	0.45	
108-90-7	Chlorobenzene	ND	3.1	ND	0.66	
100-41-4	Ethylbenzene	**3.5**	3.1	**0.80**	0.70	
179601-23-1	*m,p*-Xylenes	**14**	3.1	**3.2**	0.70	
75-25-2	Bromoform	ND	3.1	ND	0.30	
100-42-5	Styrene	ND	3.1	ND	0.72	
95-47-6	o-Xylene	**4.2**	3.1	**0.97**	0.70	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.1	ND	0.45	
541-73-1	1,3-Dichlorobenzene	ND	3.1	ND	0.51	
106-46-7	1,4-Dichlorobenzene	ND	3.1	ND	0.51	
95-50-1	1,2-Dichlorobenzene	ND	3.1	ND	0.51	

ND = Compound was analyzed for, but not detected above 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: KLH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW62-Ambient-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-007

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00514

Date Collected: 9/20/07
Date Received: 9/24/07
Date(s) Analyzed: 10/2/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.0 Pf 1 = 3.6

Can D.F. = 1.56

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.6	ND	0.76	
75-01-4	Vinyl Chloride	ND	1.6	ND	0.61	
74-83-9	Bromomethane	ND	1.6	ND	0.40	
75-00-3	Chloroethane	ND	1.6	ND	0.59	
67-64-1	Acetone	**19**	7.8	**7.9**	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	0.39	
1634-04-4	Methyl tert-Butyl Ether	ND	1.6	ND	0.43	
108-05-4	Vinyl Acetate	ND	7.8	ND	2.2	
78-93-3	2-Butanone (MEK)	ND	1.6	ND	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	0.39	
71-55-6	1,1,1-Trichloroethane	ND	1.6	ND	0.29	
71-43-2	Benzene	ND	1.6	ND	0.49	
56-23-5	Carbon Tetrachloride	ND	1.6	ND	0.25	
78-87-5	1,2-Dichloropropane	ND	1.6	ND	0.34	

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

Verified By: KLH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW62-Ambient-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-007

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00514

Date Collected: 9/20/07
Date Received: 9/24/07
Date(s) Analyzed: 10/2/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.0 Pf 1 = 3.6

Can D.F. = 1.56

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.6	ND	0.23	
79-01-6	Trichloroethene	ND	1.6	ND	0.29	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	ND	0.34	
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	0.29	
108-88-3	Toluene	**3.0**	1.6	**0.80**	0.41	
591-78-6	2-Hexanone	ND	1.6	ND	0.38	
124-48-1	Dibromochloromethane	ND	1.6	ND	0.18	
106-93-4	1,2-Dibromoethane	ND	1.6	ND	0.20	
127-18-4	Tetrachloroethene	ND	1.6	ND	0.23	
108-90-7	Chlorobenzene	ND	1.6	ND	0.34	
100-41-4	Ethylbenzene	ND	1.6	ND	0.36	
179601-23-1	*m,p*-Xylenes	**2.3**	1.6	**0.53**	0.36	
75-25-2	Bromoform	ND	1.6	ND	0.15	
100-42-5	Styrene	ND	1.6	ND	0.37	
95-47-6	o-Xylene	ND	1.6	ND	0.36	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	ND	0.23	
541-73-1	1,3-Dichlorobenzene	ND	1.6	ND	0.26	
106-46-7	1,4-Dichlorobenzene	ND	1.6	ND	0.26	
95-50-1	1,2-Dichlorobenzene	ND	1.6	ND	0.26	

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

Verified By: KEH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW49-S-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-008

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00191

Date Collected: 9/20/07
Date Received: 9/24/07
Date(s) Analyzed: 10/2/07
Volume(s) Analyzed: 1.00 Liter(s)
0.20 Liter(s)

Pi 1 = -3.0 Pf 1 = 3.8

Can D.F. = 1.58

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.6	ND	0.77	
75-01-4	Vinyl Chloride	ND	1.6	ND	0.62	
74-83-9	Bromomethane	ND	1.6	ND	0.41	
75-00-3	Chloroethane	ND	1.6	ND	0.60	
67-64-1	Acetone	**31**	7.9	**13**	3.3	
75-69-4	Trichlorofluoromethane	ND	1.6	ND	0.28	
75-35-4	1,1-Dichloroethene	ND	1.6	ND	0.40	
75-09-2	Methylene chloride	ND	1.6	ND	0.45	
76-13-1	Trichlorotrifluoroethane	ND	1.6	ND	0.21	
75-15-0	Carbon Disulfide	**1.7**	1.6	**0.55**	0.51	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	ND	0.40	
75-34-3	1,1-Dichloroethane	ND	1.6	ND	0.39	
1634-04-4	Methyl tert-Butyl Ether	ND	1.6	ND	0.44	
108-05-4	Vinyl Acetate	ND	7.9	ND	2.2	
78-93-3	2-Butanone (MEK)	**5.5**	1.6	**1.9**	0.54	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	ND	0.40	
67-66-3	Chloroform	ND	1.6	ND	0.32	
107-06-2	1,2-Dichloroethane	ND	1.6	ND	0.39	
71-55-6	1,1,1-Trichloroethane	ND	1.6	ND	0.29	
71-43-2	Benzene	**21**	1.6	**6.5**	0.49	
56-23-5	Carbon Tetrachloride	ND	1.6	ND	0.25	
78-87-5	1,2-Dichloropropane	ND	1.6	ND	0.34	

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

Verified By: KWH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW49-S-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-008

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00191

Date Collected: 9/20/07
Date Received: 9/24/07
Date(s) Analyzed: 10/2/07
Volume(s) Analyzed: 1.00 Liter(s)
0.20 Liter(s)

Pi 1 = -3.0 Pf 1 = 3.8

Can D.F. = 1.58

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.6	ND	0.24	
79-01-6	Trichloroethene	**45**	1.6	**8.5**	0.29	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	ND	0.35	
108-10-1	4-Methyl-2-pentanone	ND	1.6	ND	0.39	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	ND	0.35	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ND	0.29	
108-88-3	Toluene	**18**	1.6	**4.9**	0.42	
591-78-6	2-Hexanone	ND	1.6	ND	0.39	
124-48-1	Dibromochloromethane	ND	1.6	ND	0.19	
106-93-4	1,2-Dibromoethane	ND	1.6	ND	0.21	
127-18-4	Tetrachloroethene	**240**	1.6	**35**	0.23	
108-90-7	Chlorobenzene	ND	1.6	ND	0.34	
100-41-4	Ethylbenzene	**2.7**	1.6	**0.62**	0.36	
179601-23-1	*m,p* -Xylenes	**11**	1.6	**2.5**	0.36	
75-25-2	Bromoform	ND	1.6	ND	0.15	
100-42-5	Styrene	**4.4**	1.6	**1.0**	0.37	
95-47-6	o-Xylene	**3.8**	1.6	**0.87**	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: KWH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW49-I-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-009

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00663

Date Collected: 9/20/07
Date Received: 9/24/07
Date(s) Analyzed: 10/2 - 10/3/07
Volume(s) Analyzed: 0.050 Liter(s)
0.025 Liter(s)

Pi 1 = -0.5 Pf 1 = 3.6

Can D.F. = 1.29

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	26	ND	12	
75-01-4	Vinyl Chloride	ND	26	ND	10	
74-83-9	Bromomethane	ND	26	ND	6.6	
75-00-3	Chloroethane	ND	26	ND	9.8	
67-64-1	Acetone	ND	130	ND	54	
75-69-4	Trichlorofluoromethane	ND	26	ND	4.6	
75-35-4	1,1-Dichloroethene	ND	26	ND	6.5	
75-09-2	Methylene chloride	ND	26	ND	7.4	
76-13-1	Trichlorotrifluoroethane	ND	26	ND	3.4	
75-15-0	Carbon Disulfide	ND	26	ND	8.3	
156-60-5	trans-1,2-Dichloroethene	ND	26	ND	6.5	
75-34-3	1,1-Dichloroethane	ND	26	ND	6.4	
1634-04-4	Methyl tert-Butyl Ether	ND	26	ND	7.2	
108-05-4	Vinyl Acetate	ND	130	ND	37	
78-93-3	2-Butanone (MEK)	**36**	26	**12**	8.8	
156-59-2	cis-1,2-Dichloroethene	ND	26	ND	6.5	
67-66-3	Chloroform	ND	26	ND	5.3	
107-06-2	1,2-Dichloroethane	ND	26	ND	6.4	
71-55-6	1,1,1-Trichloroethane	ND	26	ND	4.7	
71-43-2	Benzene	ND	26	ND	8.1	
56-23-5	Carbon Tetrachloride	ND	26	ND	4.1	
78-87-5	1,2-Dichloropropane	ND	26	ND	5.6	

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: KLH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW49-I-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-009

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00663

Date Collected: 9/20/07
Date Received: 9/24/07
Date(s) Analyzed: 10/2 - 10/3/07
Volume(s) Analyzed: 0.050 Liter(s)
0.025 Liter(s)

Pi 1 = -0.5 Pf 1 = 3.6
Can D.F. = 1.29

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	26	ND	3.9	
79-01-6	Trichloroethene	**55**	26	**10**	4.8	
10061-01-5	cis-1,3-Dichloropropene	ND	26	ND	5.7	
108-10-1	4-Methyl-2-pentanone	ND	26	ND	6.3	
10061-02-6	trans-1,3-Dichloropropene	ND	26	ND	5.7	
79-00-5	1,1,2-Trichloroethane	ND	26	ND	4.7	
108-88-3	Toluene	ND	26	ND	6.8	
591-78-6	2-Hexanone	ND	26	ND	6.3	
124-48-1	Dibromochloromethane	ND	26	ND	3.0	
106-93-4	1,2-Dibromoethane	ND	26	ND	3.4	
127-18-4	Tetrachloroethene	**2,500**	26	**370**	3.8	
108-90-7	Chlorobenzene	ND	26	ND	5.6	
100-41-4	Ethylbenzene	ND	26	ND	5.9	
179601-23-1	*m,p*-Xylenes	ND	26	ND	5.9	
75-25-2	Bromoform	ND	26	ND	2.5	
100-42-5	Styrene	ND	26	ND	6.1	
95-47-6	o-Xylene	ND	26	ND	5.9	
79-34-5	1,1,2,2-Tetrachloroethane	ND	26	ND	3.8	
541-73-1	1,3-Dichlorobenzene	ND	26	ND	4.3	
106-46-7	1,4-Dichlorobenzene	ND	26	ND	4.3	
95-50-1	1,2-Dichlorobenzene	ND	26	ND	4.3	

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: KWH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW49-D-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-010

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00740

Date Collected: 9/20/07
Date Received: 9/24/07
Date(s) Analyzed: 10/2/07
Volume(s) Analyzed: 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	32	ND	16	
75-01-4	Vinyl Chloride	ND	32	ND	13	
74-83-9	Bromomethane	ND	32	ND	8.3	
75-00-3	Chloroethane	ND	32	ND	12	
67-64-1	Acetone	ND	160	ND	68	
75-69-4	Trichlorofluoromethane	ND	32	ND	5.7	
75-35-4	1,1-Dichloroethene	ND	32	ND	8.1	
75-09-2	Methylene chloride	ND	32	ND	9.3	
76-13-1	Trichlorotrifluoroethane	ND	32	ND	4.2	
75-15-0	Carbon Disulfide	ND	32	ND	10	
156-60-5	trans-1,2-Dichloroethene	ND	32	ND	8.1	
75-34-3	1,1-Dichloroethane	ND	32	ND	8.0	
1634-04-4	Methyl tert-Butyl Ether	ND	32	ND	8.9	
108-05-4	Vinyl Acetate	ND	160	ND	46	
78-93-3	2-Butanone (MEK)	ND	32	ND	11	
156-59-2	cis-1,2-Dichloroethene	ND	32	ND	8.1	
67-66-3	Chloroform	ND	32	ND	6.6	
107-06-2	1,2-Dichloroethane	ND	32	ND	8.0	
71-55-6	1,1,1-Trichloroethane	ND	32	ND	5.9	
71-43-2	Benzene	ND	32	ND	10	
56-23-5	Carbon Tetrachloride	ND	32	ND	5.1	
78-87-5	1,2-Dichloropropane	ND	32	ND	7.0	

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: KWH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW49-D-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-010

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00740

Date Collected: 9/20/07
Date Received: 9/24/07
Date(s) Analyzed: 10/2/07
Volume(s) Analyzed: 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	32	ND	4.8	
79-01-6	Trichloroethene	**47**	32	**8.8**	6.0	
10061-01-5	cis-1,3-Dichloropropene	ND	32	ND	7.1	
108-10-1	4-Methyl-2-pentanone	ND	32	ND	7.9	
10061-02-6	trans-1,3-Dichloropropene	ND	32	ND	7.1	
79-00-5	1,1,2-Trichloroethane	ND	32	ND	5.9	
108-88-3	Toluene	ND	32	ND	8.5	
591-78-6	2-Hexanone	ND	32	ND	7.9	
124-48-1	Dibromochloromethane	ND	32	ND	3.8	
106-93-4	1,2-Dibromoethane	ND	32	ND	4.2	
127-18-4	Tetrachloroethene	**2,700**	32	**390**	4.8	
108-90-7	Chlorobenzene	ND	32	ND	7.0	
100-41-4	Ethylbenzene	ND	32	ND	7.4	
179601-23-1	*m,p*-Xylenes	ND	32	ND	7.4	
75-25-2	Bromoform	ND	32	ND	3.1	
100-42-5	Styrene	ND	32	ND	7.6	
95-47-6	o-Xylene	ND	32	ND	7.4	
79-34-5	1,1,2,2-Tetrachloroethane	ND	32	ND	4.7	
541-73-1	1,3-Dichlorobenzene	ND	32	ND	5.4	
106-46-7	1,4-Dichlorobenzene	ND	32	ND	5.4	
95-50-1	1,2-Dichlorobenzene	ND	32	ND	5.4	

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: KLH Date: 10/09/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW58-S-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-011

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00030

Date Collected: 9/20/07
Date Received: 9/24/07
Date(s) Analyzed: 10/2/07
Volume(s) Analyzed: 0.065 Liter(s)

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

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	24	ND	12	
75-01-4	Vinyl Chloride	ND	24	ND	9.5	
74-83-9	Bromomethane	ND	24	ND	6.2	
75-00-3	Chloroethane	ND	24	ND	9.2	
67-64-1	Acetone	ND	120	ND	51	
75-69-4	Trichlorofluoromethane	**59**	24	**11**	4.3	
75-35-4	1,1-Dichloroethene	ND	24	ND	6.1	
75-09-2	Methylene chloride	ND	24	ND	7.0	
76-13-1	Trichlorotrifluoroethane	ND	24	ND	3.2	
75-15-0	Carbon Disulfide	ND	24	ND	7.8	
156-60-5	trans-1,2-Dichloroethene	ND	24	ND	6.1	
75-34-3	1,1-Dichloroethane	ND	24	ND	6.0	
1634-04-4	Methyl tert-Butyl Ether	ND	24	ND	6.7	
108-05-4	Vinyl Acetate	ND	120	ND	34	
78-93-3	2-Butanone (MEK)	ND	24	ND	8.2	
156-59-2	cis-1,2-Dichloroethene	ND	24	ND	6.1	
67-66-3	Chloroform	ND	24	ND	4.9	
107-06-2	1,2-Dichloroethane	ND	24	ND	6.0	
71-55-6	1,1,1-Trichloroethane	**71**	24	**13**	4.4	
71-43-2	Benzene	**26**	24	**8.3**	7.6	
56-23-5	Carbon Tetrachloride	ND	24	ND	3.8	
78-87-5	1,2-Dichloropropane	ND	24	ND	5.2	

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: KuH Date: 10/29/07