CHAIN OF CUSTODY

BC LABORATORIES, INC. 4100 Atlas Court - Bakersfield, CA 93308 (805) 327-4911 - FAX (805) 327-1918

Report To: ARCADIS
Name: GERAGHTY & MILLER
Address: 1400 N. HARBOR #740
City: FULLERTON
State: CA Zip: 92835
Attn: TERESA WILSON
Phone: 714-2780992

Project: ILM
Project #: CA000280.0096.0002
Sampler Name: FOR

Submission #: 99-8204

Lab #	Sample Description	Date & Time Sampled	8260 - VOCs	6010 - CAM 17	8015M - TPH EF	7196 - Cr+6	ALKALINITY (TOTAL)	AMONIA NITROGEN	415.1 - DOC	DETHO - PHOSPHATE	NITRITE NITRATE	207.7 - FE, MN	SULFATE	CHLORIDE	MATRIX (DW - Drinking Water, GW - Ground Water, WW - Waste Water, S - Soil, O - Oil, SL - Sludge, M - Miscellaneous)	Turn Around Time Requested	Number and Container Type
-1	P-3	7/14/99 1005	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	GW		9 BOTTLES
-2	P-16C	1325	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			9 BOTTLES
-3	EB071499	1245	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			9 BOTTLES
-4	P-9B	16:00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			9 BOTTLES
-5	P-6B	1700	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			9 BOTTLES
-6TB	Trip blank	—													—		2 VOA's

DISTRIBUTION: MA SB BK TC RC PL NC

NUMBERING CHECKED BY: MM

Billing Information:
Name: SAME AS ABOVE
Address:
City State Zip
Attention:
PO #

BC Lab. Field Service
Time : Miles:
Equipment: Flat Rate:

Report Drinking Water on State Form ? Y/N
Send Copy to State of Calif. Y/N

Comments: * PLEASE REVIEW LTD FOR SPECIFICS

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Timothy Geraghty	Jerry Mitchell	7.14.99	17:19
Jerry Mitchell	[illegible]	7.14.99	2020
Relinquished by: (Signature)	Received by: (Signature)		
Relinquished by: (Signature)	Received by: (Signature)		

Non BC Labs may be billed at $5.00 / sample for non-aqueous Samples:

BOE-C6-0102068

Submission #: 99-8204

Project Code:

SHIPPING INFORMATION

Federal Express ☐ UPS ☐ Hand Delivery ☐

BC Lab Field Service ☒ Other ☐ (Specify) _____

SHIPPING CONTAINER

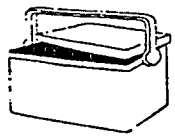
Ice Chest ☒ None ☐

Box ☐ Other ☐ (Specify) _____

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐



Ice Chest ID Blue Date/Time 7/14/99 2050
Temperature: 2.3 °C
Thermometer ID: #48 Analyst Init CFORD
Emissivity .90
Container TBlank

Ice Chest ID Blue 18 Date/Time 7/14/99 2102
Temperature: 8.3 °C
Thermometer ID: #48 Analyst Init CFORD
Emissivity .90
Container TBlank

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6TB	7	8	9	10	11	12	1	2	3	4	5	6TB	7	8	9	10	11	12
QT GENERAL MINERAL/ GENERAL PHYSICAL	1	1	1	1													1							
PT PE UNPRESERVED																	2							
QT INORGANIC CHEMICAL METALS	2	2	2	2																				
PT INORGANIC CHEMICAL METALS																								
PT CYANIDE																	1							
PT NITROGEN FORMS	1	1	1	1																				
PT TOTAL SULFIDE																								
2oz. NITRATE / NITRITE																	1							
100ml TOTAL ORGANIC CARBON	1	1	1	1																				
QT TOX																								
PT CHEMICAL OXYGEN DEMAND																								
100ml PHENOLICS																		1						
40ml VOA VIAL TRAVEL BLANK						1											3							
40ml VOA VIAL	3	3	3	3																				
QT EPA 413.1, 413.2, 418.1																								
PT ODOR																								
RADIOLOGICAL																								
BACTERIOLOGICAL																								
PT EPA 504																								
QT EPA 508/608/8080																								
QT EPA 515.1/8150																								
QT EPA 525																								
QT EPA 525 TRAVEL BLANK																								
100ml EPA 547																								
100ml EPA 531.1																								
QT EPA 548																								
QT EPA 549																								
QT EPA 632																	1							
QT EPA 8015M	1	1	1	1																				
QT QA/QC																								
QT AMBER																								
8 OZ. JAR																								
32 OZ. JAR																								
SOIL SLEEVE																								
PCB VIAL																								
PLASTIC BAG																								

Comments:

Sample Numbering Completed By: CFORD Date/Time: 7/14/99 2200

(F:\WP80\LAB_DOCS\FORMS\SAMRECZ.V

BC Laboratories, Inc.

WATER ANALYSIS
(GENERAL CHEMISTRY)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
Attn: TERESA WILSON 714-278-0992

Date Reported: 07/27/99
Date Received: 07/14/99
Laboratory No.: 99-08204-1

Project Number: CA000280-0007-00001
Sampling Location: ILM
Sample ID: P-3
Sampling Date/Time: 07/14/99 @ 10:05AM
Sample Collected By: FIOL

Constituents	Results	Units	P.Q.L.	Method	Date Prepared	Date Analyzed	Dilution Factor
Sulfate	297.	mg/L	2.0	EPA-300.0	07/15/99	07/15/99	2
Chloride	409.	mg/L	1.0	EPA-300.0	07/15/99	07/15/99	2
Nitrate/Nitrite as N	12.	mg/L	1.0	EPA-353.2	07/20/99	07/20/99	10
Total Alkalinity as CaCO3	654.	mg/L	5.0	EPA-310.1	07/16/99	07/16/99	1
Ammonia as N	None Detected	mg/L	0.02	EPA-350.1	07/21/99	07/21/99	1
Ortho-phosphate	0.09	mg/L	0.05	EPA-365.1	07/15/99	07/15/99	1
Dissolved Non-Volatile Organic Carbon	7.0	mg/L	1.0	EPA-415.1	07/19/99	07/19/99	1

P.Q.L. = Practical Quantitation Limit (refers to the least amount of analyte quantifiable based on sample size used and analytical technique employed).

California D.O.H.S. Cert. #1186

Marna Atencio
Department Supervisor

...no responsibility for report alteration, detachment or third party interpretation.

BC Laboratories, Inc.

WATER ANALYSIS
(GENERAL CHEMISTRY)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
Attn: TERESA WILSON 714-278-0992

Date Reported: 07/27/99
Date Received: 07/14/99
Laboratory No.: 99-08204-2

Project Number: CA000280-0007-00001
Sampling Location: ILM
Sample ID: P-16C
Sampling Date/Time: 07/14/99 @ 01:25PM
Sample Collected By: FIOL

Constituents	Results	Units	P.Q.L.	Method	Date Prepared	Date Analyzed	Dilution Factor
Sulfate	88.	mg/L	5.0	EPA-300.0	07/15/99	07/15/99	5
Chloride	980.	mg/L	2.5	EPA-300.0	07/15/99	07/15/99	5
Nitrate/Nitrite as N	70.	mg/L	2.0	EPA-353.2	07/20/99	07/20/99	20
Total Alkalinity as CaCO3	213.	mg/L	5.0	EPA-310.1	07/16/99	07/16/99	1
Ammonia as N	None Detected	mg/L	0.02	EPA-350.1	07/21/99	07/21/99	1
Ortho-phosphate	0.11	mg/L	0.05	EPA-365.1	07/15/99	07/15/99	1
Dissolved Non-Volatile Organic Carbon	6.0	mg/L	1.0	EPA-415.1	07/19/99	07/19/99	1

P.Q.L. = Practical Quantitation Limit (refers to the least amount of analyte quantifiable based on sample size used and analytical technique employed).

California D.O.H.S. Cert. #1186

Marna Atencio
Department Supervisor

... for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, detahcment or third party interpretatiion.

BC Laboratories, Inc.

WATER ANALYSIS
(GENERAL CHEMISTRY)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
Attn: TERESA WILSON 714-278-0992

Date Reported: 07/27/99
Date Received: 07/14/99
Laboratory No.: 99-08204-3

Project Number: CA000280-0007-00001
Sampling Location: ILM
Sample ID: EB071499
Sampling Date/Time: 07/14/99 @ 12:45PM
Sample Collected By: FIOL

Constituents	Results	Units	P.Q.L.	Method	Date Prepared	Date Analyzed	Dilution Factor
Sulfate	None Detected	mg/L	1.0	EPA-300.0	07/15/99	07/15/99	1
Chloride	None Detected	mg/L	0.5	EPA-300.0	07/15/99	07/15/99	1
Nitrate/Nitrite as N	None Detected	mg/L	0.1	EPA-353.2	07/20/99	07/20/99	1
Total Alkalinity as CaCO3	None Detected	mg/L	5.0	EPA-310.1	07/16/99	07/16/99	1
Ammonia as N	None Detected	mg/L	0.02	EPA-350.1	07/21/99	07/21/99	1
Ortho-phosphate	None Detected	mg/L	0.05	EPA-365.1	07/15/99	07/15/99	1
Dissolved Non-Volatile Organic Carbon	3.2	mg/L	1.0	EPA-415.1	07/19/99	07/19/99	1

P.Q.L. = Practical Quantitation Limit (refers to the least amount of analyte quantifiable based on sample size used and analytical technique employed).

California D.O.H.S. Cert. #1186

Marna Atencio
Department Supervisor

BC Laboratories, Inc.

WATER ANALYSIS
(GENERAL CHEMISTRY)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
Attn: TERESA WILSON 714-278-0992

Date Reported: 07/27/99
Date Received: 07/14/99
Laboratory No.: 99-08204-4

Project Number: CA000280-0007-00001
Sampling Location: ILM
Sample ID: P-9B
Sampling Date/Time: 07/14/99 @ 04:00PM
Sample Collected By: FIOL

Constituents	Results	Units	P.Q.L.	Method	Date Prepared	Date Analyzed	Dilution Factor
Sulfate	389.	mg/L	2.0	EPA-300.0	07/15/99	07/15/99	2
Chloride	374.	mg/L	1.0	EPA-300.0	07/15/99	07/15/99	2
Nitrate/Nitrite as N	13.	mg/L	1.0	EPA-353.2	07/20/99	07/20/99	10
Total Alkalinity as CaCO3	380.	mg/L	5.0	EPA-310.1	07/16/99	07/16/99	1
Ammonia as N	None Detected	mg/L	0.02	EPA-350.1	07/21/99	07/21/99	1
Ortho-phosphate	0.08	mg/L	0.05	EPA-365.1	07/15/99	07/15/99	1
Dissolved Non-Volatile Organic Carbon	6.9	mg/L	1.0	EPA-415.1	07/19/99	07/19/99	1

P.Q.L. = Practical Quantitation Limit (refers to the least amount of analyte quantifiable based on sample size used and analytical technique employed).

California D.O.H.S. Cert. #1186

Marna Atencio
Department Supervisor

BC Laboratories, Inc.

WATER ANALYSIS
(GENERAL CHEMISTRY)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
Attn: TERESA WILSON 714-278-0992

Date Reported: 07/27/99
Date Received: 07/14/99
Laboratory No.: 99-08204-5

Project Number: CA000280-0007-00001
Sampling Location: ILM
Sample ID: P-6B
Sampling Date/Time: 07/14/99 @ 05:00PM
Sample Collected By: FIOL

Constituents	Results	Units	P.Q.L.	Method	Date Prepared	Date Analyzed	Dilution Factor
Sulfate	130.	mg/L	2.0	EPA-300.0	07/15/99	07/15/99	2
Chloride	436.	mg/L	1.0	EPA-300.0	07/15/99	07/15/99	2
Nitrate/Nitrite as N	10.	mg/L	0.5	EPA-353.2	07/20/99	07/20/99	5
Total Alkalinity as CaCO3	376.	mg/L	5.0	EPA-310.1	07/16/99	07/16/99	1
Ammonia as N	0.11	mg/L	0.02	EPA-350.1	07/21/99	07/21/99	1
Ortho-phosphate	0.15	mg/L	0.05	EPA-365.1	07/15/99	07/15/99	1
Dissolved Non-Volatile Organic Carbon	2.9	mg/L	1.0	EPA-415.1	07/19/99	07/19/99	1

P.Q.L. = Practical Quantitation Limit (refers to the least amount of analyte quantifiable based on sample size used and analytical technique employed).

California D.O.H.S. Cert. #1186

M. Atencio

Marna Atencio
Department Supervisor

... for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, detahcment or third party interpretation.

BC Laboratories, Inc.

WATER ANALYSIS
(METALS)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
Attn: TERESA WILSON 714-278-0992

Date Reported: 07/27/99
Date Received: 07/14/99
Laboratory No.: 99-08204-1

Project Number: CA000280-0007-00001
Sampling Location: ILM
Sample ID: P-3
Sampling Date/Time: 07/14/99 @ 10:05AM
Sample Collected By: FIOL

Constituents		Results	Units	P.Q.L.	Method	Date Prepared	Date Analyzed	Dilution Factor
Dissolved Aluminum		None Detected	µg/L	50.	EPA-6010	07/14/99	07/22/99	1
Dissolved Antimony		None Detected	µg/L	100.	EPA-6010	07/14/99	07/21/99	1
Dissolved Arsenic		2.1	µg/L	2.	SM-3114B	07/15/99	07/16/99	1
Dissolved Barium		115.	µg/L	100.	EPA-6010	07/14/99	07/21/99	1
Dissolved Beryllium		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Cadmium		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Chromium		10.	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Hexavalent Chromium		12.	µg/L	2.	EPA-7196	07/15/99	07/15/99	1
Dissolved Cobalt		None Detected	µg/L	50.	EPA-6010	07/14/99	07/21/99	1
Dissolved Copper		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Lead		None Detected	µg/L	5.	EPA-7421	07/14/99	07/19/99	1
Dissolved Manganese		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Mercury		None Detected	µg/L	0.2	EPA-7470	07/15/99	07/16/99	1
Dissolved Molybdenum		None Detected	µg/L	50.	EPA-6010	07/14/99	07/21/99	1
Dissolved Nickel		None Detected	µg/L	50.	EPA-6010	07/14/99	07/21/99	1
Dissolved Selenium		None Detected	µg/L	2.	SM-3114B	07/15/99	07/16/99	1
Dissolved Silver		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Titanium		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Thallium		None Detected	µg/L	1.	EPA-7841	07/14/99	07/19/99	1
Dissolved Vanadium		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Zinc		None Detected	µg/L	50.	EPA-6010	07/14/99	07/21/99	1
Total Aluminum	*04	501.	µg/L	50.	EPA-6010	07/15/99	07/20/99	1
Total Antimony		None Detected	µg/L	100.	EPA-6010	07/15/99	07/20/99	1
Total Arsenic		2.5	µg/L	2.	SM-3114B	07/15/99	07/16/99	1
Total Barium		118.	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Beryllium		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Cadmium		None Detected	µg/L	5.	EPA-6010	07/15/99	07/20/99	1
Total Chromium		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Cobalt		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Copper		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Iron		819.	µg/L	50.	EPA-6010	07/15/99	07/20/99	1
Total Lead		None Detected	µg/L	50.	EPA-7421	07/15/99	07/19/99	1
Total Manganese		17.	µg/L	5.	EPA-6010	07/15/99	07/20/99	1
Total Mercury		None Detected	µg/L	10.	EPA-7470	07/15/99	07/16/99	1
Total Molybdenum		None Detected	µg/L	0.2	EPA-6010	07/15/99	07/20/99	1
Total Nickel		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Selenium		None Detected	µg/L	50.	SM-3114B	07/15/99	07/16/99	1
Total Silver		None Detected	µg/L	2.	EPA-6010	07/15/99	07/20/99	1
Total Titanium		37.	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Thallium		None Detected	µg/L	10.	EPA-7841	07/15/99	07/19/99	1
Total Vanadium		None Detected	µg/L	5.0	EPA-6010	07/15/99	07/20/99	1
Total Zinc		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
				50.	EPA-6010	07/15/99	07/20/99	1

of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, detahcment or third party interpretation
(661)327-4918 * www.bclabs.com

BC Laboratories, Inc.

WATER ANALYSIS
(METALS)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
Attn: TERESA WILSON 714-278-0992

Date Reported: 07/27/99
Date Received: 07/14/99
Laboratory No.: 99-08204-1

Sample Description: CA000280-0007-00001, ILM, P-3, 07/14/99 @ 10:05AM, FIOL

P.Q.L. = Practical Quantitation Limit (refers to the least amount of analyte quantifiable based on sample size used and analytical technique employed).

Dissolved analysis reported on sample filtered and acidified in the field.

Flag Explanations:
*04 = Matrix spike recoveries not within established limits, results may be affected.

California D.O.H.S. Cert. #1186

Dan Schultz
Laboratory Director

...sibility for report alteration, detachment or third party interpretation

BC Laboratories, Inc.

WATER ANALYSIS
(METALS)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
Attn: TERESA WILSON 714-278-0992

Date Reported: 07/27/99
Date Received: 07/14/99
Laboratory No.: 99-08204-2

Project Number: CA000280-0007-00001
Sampling Location: ILM
Sample ID: P-16C
Sampling Date/Time: 07/14/99 @ 01:25PM
Sample Collected By: FIOL

Constituents		Results	Units	P.Q.L.	Method	Date Prepared	Date Analyzed	Dilution Factor
Dissolved Aluminum	*01	None Detected	µg/L	100.	EPA-6010	07/14/99	07/22/99	2
Dissolved Antimony		None Detected	µg/L	100.	EPA-6010	07/14/99	07/21/99	1
Dissolved Arsenic		None Detected	µg/L	2.	SM-3114B	07/15/99	07/16/99	1
Dissolved Barium		484.	µg/L	100.	EPA-6010	07/14/99	07/21/99	1
Dissolved Beryllium		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Cadmium		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Chromium		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Hexavalent Chromium		None Detected	µg/L	2.	EPA-7196	07/15/99	07/15/99	1
Dissolved Cobalt		5.4	µg/L	50.	EPA-6010	07/14/99	07/21/99	1
Dissolved Copper		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Lead		None Detected	µg/L	5.	EPA-7421	07/14/99	07/19/99	1
Dissolved Manganese		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Mercury		None Detected	µg/L	0.2	EPA-7470	07/15/99	07/16/99	1
Dissolved Molybdenum		None Detected	µg/L	50.	EPA-6010	07/14/99	07/21/99	1
Dissolved Nickel		None Detected	µg/L	50.	EPA-6010	07/14/99	07/21/99	1
Dissolved Selenium		None Detected	µg/L	2.	SM-3114B	07/15/99	07/16/99	1
Dissolved Silver		4.1	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Titanium		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Thallium		None Detected	µg/L	1.	EPA-7841	07/14/99	07/19/99	1
Dissolved Vanadium		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Zinc		None Detected	µg/L	50.	EPA-6010	07/14/99	07/21/99	1
Total Aluminum	*04	3440.	µg/L	50.	EPA-6010	07/15/99	07/20/99	1
Total Antimony		None Detected	µg/L	100.	EPA-6010	07/15/99	07/20/99	1
Total Arsenic		2.0	µg/L	2.	SM-3114B	07/15/99	07/16/99	1
Total Barium		502.	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Beryllium		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Cadmium		None Detected	µg/L	5.	EPA-6010	07/15/99	07/20/99	1
Total Chromium		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Cobalt		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Copper		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Iron		None Detected	µg/L	50.	EPA-6010	07/15/99	07/20/99	1
Total Lead		4100.	µg/L	5.	EPA-7421	07/15/99	07/19/99	1
Total Manganese		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Mercury		89.	µg/L	0.2	EPA-7470	07/15/99	07/16/99	1
Total Molybdenum		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Nickel		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Selenium		None Detected	µg/L	50.	EPA-6010	07/15/99	07/20/99	1
Total Silver		3.5	µg/L	2.	SM-3114B	07/15/99	07/16/99	1
Total Titanium		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Thallium		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Vanadium		186.	µg/L	5.0	EPA-7841	07/15/99	07/19/99	1
Total Zinc		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
		None Detected	µg/L	50.	EPA-6010	07/15/99	07/20/99	1
		81.	µg/L					

... no responsibility for report alteration, detachment or third party interpretation

BC Laboratories, Inc.

WATER ANALYSIS
(METALS)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
Attn: TERESA WILSON 714-278-0992

Date Reported: 07/27/99
Date Received: 07/14/99
Laboratory No.: 99-08204-2

Sample Description: CA000280-0007-00001, ILM, P-16C, 07/14/99 @ 01:25PM, FIOL

P.Q.L. = Practical Quantitation Limit (refers to the least amount of analyte quantifiable based on sample size used and analytical technique employed).

Dissolved analysis reported on sample filtered and acidified in the field.

Flag Explanations:
*01 = Note: PQL's are raised due to matrix interferences.
*04 = Matrix spike recoveries not within established limits, results may be affected.

California D.O.H.S. Cert. #1186

Dan Schultz
Laboratory Director

... Inc. assumes no responsibility for report alteration, detachment or third party interpretation

BC Laboratories, Inc.

WATER ANALYSIS
(METALS)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
Attn: TERESA WILSON 714-278-0992

Date Reported: 07/27/99
Date Received: 07/14/99
Laboratory No.: 99-08204-3

Project Number: CA000280-0007-00001
Sampling Location: ILM
Sample ID: EB071499
Sampling Date/Time: 07/14/99 @ 12:45PM
Sample Collected By: FIOL

Constituents		Results	Units	P.Q.L.	Method	Date Prepared	Date Analyzed	Dilution Factor
Dissolved Aluminum		None Detected	µg/L	50.	EPA-6010	07/14/99	07/21/99	1
Dissolved Antimony		None Detected	µg/L	100.	EPA-6010	07/14/99	07/21/99	1
Dissolved Arsenic		None Detected	µg/L	2.	SM-3114B	07/15/99	07/16/99	1
Dissolved Barium		None Detected	µg/L	100.	EPA-6010	07/14/99	07/21/99	1
Dissolved Beryllium		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Cadmium		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Chromium		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Hexavalent Chromium		None Detected	µg/L	2.	EPA-7196	07/15/99	07/15/99	1
Dissolved Cobalt		None Detected	µg/L	50.	EPA-6010	07/14/99	07/21/99	1
Dissolved Copper		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Lead		None Detected	µg/L	5.	EPA-7421	07/14/99	07/19/99	1
Dissolved Manganese		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Mercury		None Detected	µg/L	0.2	EPA-7470	07/15/99	07/16/99	1
Dissolved Molybdenum		None Detected	µg/L	50.	EPA-6010	07/14/99	07/21/99	1
Dissolved Nickel		None Detected	µg/L	50.	EPA-6010	07/14/99	07/21/99	1
Dissolved Selenium		None Detected	µg/L	2.	SM-3114B	07/15/99	07/16/99	1
Dissolved Silver		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Titanium		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Thallium		None Detected	µg/L	1.	EPA-7841	07/14/99	07/19/99	1
Dissolved Vanadium		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Zinc		None Detected	µg/L	50.	EPA-6010	07/14/99	07/21/99	1
Total Aluminum	*04	None Detected	µg/L	50.	EPA-6010	07/15/99	07/20/99	1
Total Antimony		None Detected	µg/L	100.	EPA-6010	07/15/99	07/20/99	1
Total Arsenic		None Detected	µg/L	2.	SM-3114B	07/15/99	07/16/99	1
Total Barium		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Beryllium		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Cadmium		None Detected	µg/L	5.	EPA-6010	07/15/99	07/20/99	1
Total Chromium		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Cobalt		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Copper		18.	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Iron		None Detected	µg/L	50.	EPA-6010	07/15/99	07/20/99	1
Total Lead		None Detected	µg/L	5.	EPA-7421	07/15/99	07/19/99	1
Total Manganese		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Mercury		None Detected	µg/L	0.2	EPA-7470	07/15/99	07/16/99	1
Total Molybdenum		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Nickel		None Detected	µg/L	50.	EPA-6010	07/15/99	07/20/99	1
Total Selenium		None Detected	µg/L	2.	SM-3114B	07/15/99	07/16/99	1
Total Silver		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Titanium		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Thallium		None Detected	µg/L	5.0	EPA-7841	07/15/99	07/19/99	1
Total Vanadium		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Zinc		None Detected	µg/L	50.	EPA-6010	07/15/99	07/20/99	1

... no responsibility for report alteration, detachment or third party interpretation.

BC Laboratories, Inc.

WATER ANALYSIS
(METALS)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
Attn: TERESA WILSON 714-278-0992

Date Reported: 07/27/99
Date Received: 07/14/99
Laboratory No.: 99-08204-3

Sample Description: CA000280-0007-00001, ILM, EB071499, 07/14/99 @ 12:45PM, FIOL

P.Q.L. = Practical Quantitation Limit (refers to the least amount of analyte quantifiable based on sample size used and analytical technique employed).

Dissolved analysis reported on sample filtered and acidified in the field.

Flag Explanations:
*04 = Matrix spike recoveries not within established limits, results may be affected.

California D.O.H.S. Cert. #1186

Dan Schultz
Laboratory Director

Inc. assumes no responsibility for report alteration, detachment or third party interpretation

BC Laboratories, Inc.

WATER ANALYSIS
(METALS)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
Attn: TERESA WILSON 714-278-0992

Date Reported: 07/27/99
Date Received: 07/14/99
Laboratory No.: 99-08204-4

Project Number: CA000280-0007-00001
Sampling Location: ILM
Sample ID: P-9B
Sampling Date/Time: 07/14/99 @ 04:00PM
Sample Collected By: FIOL

Constituents		Results	Units	P.Q.L.	Method	Date Prepared	Date Analyzed	Dilution Factor
Dissolved Aluminum		None Detected	µg/L	50.	EPA-6010	07/14/99	07/22/99	1
Dissolved Antimony		None Detected	µg/L	100.	EPA-6010	07/14/99	07/21/99	1
Dissolved Arsenic		None Detected	µg/L	2.	SM-3114B	07/15/99	07/16/99	1
Dissolved Barium		None Detected	µg/L	100.	EPA-6010	07/14/99	07/21/99	1
Dissolved Beryllium		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Cadmium		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Chromium		10.	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Hexavalent Chromium		18.	µg/L	2.	EPA-7196	07/15/99	07/15/99	1
Dissolved Cobalt		None Detected	µg/L	50.	EPA-6010	07/14/99	07/21/99	1
Dissolved Copper		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Lead		None Detected	µg/L	5.	EPA-7421	07/14/99	07/19/99	1
Dissolved Manganese		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Mercury		None Detected	µg/L	0.2	EPA-7470	07/15/99	07/16/99	1
Dissolved Molybdenum		None Detected	µg/L	50.	EPA-6010	07/14/99	07/21/99	1
Dissolved Nickel		None Detected	µg/L	50.	EPA-6010	07/14/99	07/21/99	1
Dissolved Selenium		None Detected	µg/L	2.	SM-3114B	07/15/99	07/16/99	1
Dissolved Silver		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Titanium		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Thallium		None Detected	µg/L	1.	EPA-7841	07/14/99	07/19/99	1
Dissolved Vanadium		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Zinc		None Detected	µg/L	50.	EPA-6010	07/14/99	07/21/99	1
Total Aluminum	*04	1240.	µg/L	50.	EPA-6010	07/15/99	07/20/99	1
Total Antimony		None Detected	µg/L	100.	EPA-6010	07/15/99	07/20/99	1
Total Arsenic		None Detected	µg/L	2.	SM-3114B	07/15/99	07/16/99	1
Total Barium		91.	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Beryllium		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Cadmium		None Detected	µg/L	5.	EPA-6010	07/15/99	07/20/99	1
Total Chromium		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Cobalt		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Copper		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Iron		1990.	µg/L	50.	EPA-6010	07/15/99	07/20/99	1
Total Lead		None Detected	µg/L	5.	EPA-7421	07/15/99	07/19/99	1
Total Manganese		20.	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Mercury		None Detected	µg/L	0.2	EPA-7470	07/19/99	07/19/99	1
Total Molybdenum		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Nickel		None Detected	µg/L	50.	EPA-6010	07/15/99	07/20/99	1
Total Selenium		None Detected	µg/L	2.	SM-3114B	07/15/99	07/16/99	1
Total Silver		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Titanium		80.	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Thallium		None Detected	µg/L	5.0	EPA-7841	07/15/99	07/19/99	1
Total Vanadium		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Zinc		None Detected	µg/L	50.	EPA-6010	07/15/99	07/20/99	1

BC Laboratories, Inc. assumes no responsibility for report alteration, detahcment or third party interpretatiicr

BC Laboratories, Inc.

WATER ANALYSIS
(METALS)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
Attn: TERESA WILSON 714-278-0992

Date Reported: 07/27/99
Date Received: 07/14/99
Laboratory No.: 99-08204-4

Sample Description: CA000280-0007-00001, ILM, P-9B, 07/14/99 @ 04:00PM, FIOL

P.Q.L. = Practical Quantitation Limit (refers to the least amount of analyte quantifiable based on sample size used and analytical technique employed).

Dissolved analysis reported on sample filtered and acidified in the field.

Flag Explanations:
*04 = Matrix spike recoveries not within established limits, results may be affected.

California D.O.H.S. Cert. #1186

Dan Schultz
Laboratory Director

BC Laboratories, Inc. assumes no responsibility for report alteration, detahcment or third party interpretatiion.

BC Laboratories, Inc.

WATER ANALYSIS
(METALS)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
Attn: TERESA WILSON 714-278-0992

Date Reported: 07/27/99
Date Received: 07/14/99
Laboratory No.: 99-08204-5

Project Number: CA000280-0007-00001
Sampling Location: ILM
Sample ID: P-6B
Sampling Date/Time: 07/14/99 @ 05:00PM
Sample Collected By: FIOL

Constituents		Results	Units	P.Q.L.	Method	Date Prepared	Date Analyzed	Dilution Factor
Dissolved Aluminum		None Detected	µg/L	50.	EPA-6010	07/23/99	07/23/99	1
Dissolved Antimony		None Detected	µg/L	100.	EPA-6010	07/14/99	07/21/99	1
Dissolved Arsenic		None Detected	µg/L	2.	SM-3114B	07/15/99	07/16/99	1
Dissolved Barium		350.	µg/L	100.	EPA-6010	07/14/99	07/21/99	1
Dissolved Beryllium		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Cadmium		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Chromium		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Hexavalent Chromium		6.7	µg/L	2.	EPA-7196	07/15/99	07/15/99	1
Dissolved Cobalt		None Detected	µg/L	50.	EPA-6010	07/14/99	07/21/99	1
Dissolved Copper		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Lead		None Detected	µg/L	5.	EPA-7421	07/14/99	07/19/99	1
Dissolved Manganese		806.	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Mercury		None Detected	µg/L	0.2	EPA-7470	07/15/99	07/16/99	1
Dissolved Molybdenum		None Detected	µg/L	50.	EPA-6010	07/14/99	07/21/99	1
Dissolved Nickel		None Detected	µg/L	50.	EPA-6010	07/14/99	07/21/99	1
Dissolved Selenium		None Detected	µg/L	2.	SM-3114B	07/15/99	07/16/99	1
Dissolved Silver		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Titanium		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Thallium		None Detected	µg/L	1.	EPA-7841	07/14/99	07/19/99	1
Dissolved Vanadium		None Detected	µg/L	10.	EPA-6010	07/14/99	07/21/99	1
Dissolved Zinc		None Detected	µg/L	50.	EPA-6010	07/14/99	07/21/99	1
Total Aluminum	*04	23200.	µg/L	50.	EPA-6010	07/15/99	07/20/99	1
Total Antimony		None Detected	µg/L	100.	EPA-6010	07/15/99	07/20/99	1
Total Arsenic		8.5	µg/L	2.	SM-3114B	07/15/99	07/16/99	1
Total Barium		514.	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Beryllium		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Cadmium		None Detected	µg/L	5.	EPA-6010	07/15/99	07/20/99	1
Total Chromium		39.	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Cobalt		13.	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Copper		24.	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Iron		30600.	µg/L	50.	EPA-6010	07/15/99	07/20/99	1
Total Lead		17.	µg/L	5.	EPA-7421	07/15/99	07/19/99	1
Total Manganese		1310.	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Mercury		None Detected	µg/L	0.2	EPA-7470	07/15/99	07/16/99	1
Total Molybdenum		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Nickel		None Detected	µg/L	50.	EPA-6010	07/15/99	07/20/99	1
Total Selenium		None Detected	µg/L	2.	SM-3114B	07/15/99	07/16/99	1
Total Silver		None Detected	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Titanium		1340.	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Thallium		None Detected	µg/L	5.0	EPA-7841	07/15/99	07/19/99	1
Total Vanadium		78.	µg/L	10.	EPA-6010	07/15/99	07/20/99	1
Total Zinc		116.	µg/L	50.	EPA-6010	07/15/99	07/20/99	1

...of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, detahcment or third party interpretation

BC Laboratories, Inc.

WATER ANALYSIS
(METALS)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
Attn: TERESA WILSON 714-278-0992

Date Reported: 07/27/99
Date Received: 07/14/99
Laboratory No.: 99-08204-5

Sample Description: CA000280-0007-00001, ILM, P-6B, 07/14/99 @ 05:00PM, FIOL

P.Q.L. = Practical Quantitation Limit (refers to the least amount of analyte quantifiable based on sample size used and analytical technique employed).

Dissolved analysis reported on sample filtered and acidified in the field.

Flag Explanations:
*04 = Matrix spike recoveries not within established limits, results may be affected.

California D.O.H.S. Cert. #1186

Dan Schultz
Laboratory Director

BC Laboratories, Inc. assumes no responsibility for report alteration, detahcment or third party interpretatiior.

BC Laboratories, Inc.

EPA 8015M
Fuel Identification / Quantitation Summary

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
Attn: TERESA WILSON 714-278-0992

Date Reported: 07/23/99
Date Received: 07/14/99
Laboratory No.: 99-08204-1

Project Number: CA000280-0007-00001
Sampling Location: ILM
Sample ID: P-3
Sample Matrix: Groundwater
Sample Collected By: FIOL

Date Collected: 07/14/99 @ 10:05AM
Date Extracted: 07/16/99
Date Analyzed: 07/20/99
Dilution Used: 1

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Stoddard / White Spirits	None Detected	µg/L	200.
JP 4	None Detected	µg/L	1000.
JP 5	None Detected	µg/L	1000.
JP 6	None Detected	µg/L	1000.
JP 8	None Detected	µg/L	200.
Kerosene / Jet Fuel	None Detected	µg/L	200.
Diesel	None Detected	µg/L	200.
Crude Oil	None Detected	µg/L	1000.
Hydraulic Oil	None Detected	µg/L	1000.
Waste Oil	None Detected	µg/L	1000.
Motor Oil	None Detected	µg/L	1000.
Surrogate % Recovery	95.	%	33-138

METHOD: 8015M DOHS LUFT MANUAL
Boiling Range: 70 - 300 C

Mixtures of hydrocarbons are identified by a boiling point range and a fingerprint. Hydrocarbons that fall within a boiling range but do not exhibit the pattern are quantitated versus the fuel that corresponds with the boiling range, but are qualified with a note.

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

BC Laboratories, Inc.

EPA 8015M
Fuel Identification / Quantitation Summary

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
Attn: TERESA WILSON 714-278-0992

Date Reported: 07/23/99
Date Received: 07/14/99
Laboratory No.: 99-08204-2

Project Number: CA000280-0007-00001
Sampling Location: ILM
Sample ID: P-16C
Sample Matrix: Groundwater
Sample Collected By: FIOL

Date Collected: 07/14/99 @ 01:25PM
Date Extracted: 07/16/99
Date Analyzed: 07/20/99
Dilution Used: 1

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Stoddard / White Spirits	None Detected	µg/L	200.
JP 4	None Detected	µg/L	1000.
JP 5	None Detected	µg/L	1000.
JP 6	None Detected	µg/L	1000.
JP 8	None Detected	µg/L	200.
Kerosene / Jet Fuel	None Detected	µg/L	200.
Diesel	None Detected	µg/L	200.
Crude Oil	1200.	µg/L	1000.
Hydraulic Oil	None Detected	µg/L	1000.
Waste Oil	None Detected	µg/L	1000.
Motor Oil	None Detected	µg/L	1000.
Surrogate % Recovery	98.	%	33-138

METHOD: 8015M DOHS LUFT MANUAL
Boiling Range: 70 - 300 C

Mixtures of hydrocarbons are identified by a boiling point range and a fingerprint. Hydrocarbons that fall within a boiling range but do not exhibit the pattern are quantitated versus the fuel that corresponds with the boiling range, but are qualified with a note.

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

BC Laboratories, Inc.

EPA 8015M
Fuel Identification / Quantitation Summary

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
Attn: TERESA WILSON 714-278-0992

Date Reported: 07/23/99
Date Received: 07/14/99
Laboratory No.: 99-08204-3

Project Number: CA000280-0007-00001
Sampling Location: ILM
Sample ID: EB071499
Sample Matrix: Groundwater
Sample Collected By: FIOL

Date Collected: 07/14/99 @ 12:45PM
Date Extracted: 07/16/99
Date Analyzed: 07/20/99
Dilution Used: 1

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Stoddard / White Spirits	None Detected	µg/L	200.
JP 4	None Detected	µg/L	1000.
JP 5	None Detected	µg/L	1000.
JP 6	None Detected	µg/L	1000.
JP 8	None Detected	µg/L	200.
Kerosene / Jet Fuel	None Detected	µg/L	200.
Diesel	None Detected	µg/L	200.
Crude Oil	None Detected	µg/L	1000.
Hydraulic Oil	None Detected	µg/L	1000.
Waste Oil	None Detected	µg/L	1000.
Motor Oil	None Detected	µg/L	1000.
Surrogate % Recovery	58.	%	33-138

METHOD: 8015M DOHS LUFT MANUAL
Boiling Range: 70 - 300 C

Mixtures of hydrocarbons are identified by a boiling point range and a fingerprint. Hydrocarbons that fall within a boiling range but do not exhibit the pattern are quantitated versus the fuel that corresponds with the boiling range, but are qualified with a note.

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

BC Laboratories, Inc.

EPA 8015M
Fuel Identification / Quantitation Summary

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
Attn: TERESA WILSON 714-278-0992

Date Reported: 07/23/99
Date Received: 07/14/99
Laboratory No.: 99-08204-4

Project Number: CA000280-0007-00001
Sampling Location: ILM
Sample ID: P-9B
Sample Matrix: Groundwater
Sample Collected By: FIOL

Date Collected: 07/14/99 @ 04:00PM
Date Extracted: 07/16/99
Date Analyzed: 07/20/99
Dilution Used: 1

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Stoddard / White Spirits	None Detected	µg/L	200.
JP 4	None Detected	µg/L	1000.
JP 5	None Detected	µg/L	1000.
JP 6	None Detected	µg/L	1000.
JP 8	None Detected	µg/L	200.
Kerosene / Jet Fuel	None Detected	µg/L	200.
Diesel	None Detected	µg/L	200.
Crude Oil	1400.	µg/L	1000.
Hydraulic Oil	None Detected	µg/L	1000.
Waste Oil	None Detected	µg/L	1000.
Motor Oil	None Detected	µg/L	1000.
Surrogate % Recovery	96.	%	33-138

METHOD: 8015M DOHS LUFT MANUAL
Boiling Range: 70 - 300 C

Mixtures of hydrocarbons are identified by a boiling point range and a fingerprint. Hydrocarbons that fall within a boiling range but do not exhibit the pattern are quantitated versus the fuel that corresponds with the boiling range, but are qualified with a note.

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

BC Laboratories, Inc.

EPA 8015M
Fuel Identification / Quantitation Summary

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
Attn: TERESA WILSON 714-278-0992

Date Reported: 07/23/99
Date Received: 07/14/99
Laboratory No.: 99-08204-5

Project Number: CA000280-0007-00001
Sampling Location: ILM
Sample ID: P-6B
Sample Matrix: Groundwater
Sample Collected By: FIOL

Date Collected: 07/14/99 @ 05:00PM
Date Extracted: 07/16/99
Date Analyzed: 07/20/99
Dilution Used: 1

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Stoddard / White Spirits	None Detected	µg/L	200.
JP 4	None Detected	µg/L	1000.
JP 5	None Detected	µg/L	1000.
JP 6	None Detected	µg/L	1000.
JP 8	None Detected	µg/L	200.
Kerosene / Jet Fuel	None Detected	µg/L	200.
Diesel	None Detected	µg/L	200.
Crude Oil	None Detected	µg/L	1000.
Hydraulic Oil	None Detected	µg/L	1000.
Waste Oil	None Detected	µg/L	1000.
Motor Oil	None Detected	µg/L	1000.
Surrogate % Recovery	92.	%	33-138

METHOD: 8015M DOHS LUFT MANUAL
Boiling Range: 70 - 300 C

Mixtures of hydrocarbons are identified by a boiling point range and a fingerprint. Hydrocarbons that fall within a boiling range but do not exhibit the pattern are quantitated versus the fuel that corresponds with the boiling range, but are qualified with a note.

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

All results listed in this report are for the exclusive use of the submitting party, BC Laboratories, Inc. assumes no responsibility for report alteration, detahcment or third party interpretation.

BC Laboratories, Inc.

Volatile Organic Analysis
(EPA Method 8260)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
Attn: TERESA WILSON 714-278-0992

Date Reported: 07/27/99
Date Received: 07/14/99
Laboratory No.: 99-08204-1

Project Number: CA000280-0007-00001
Sampling Location: ILM
Sample ID: P-3
Sample Matrix: Groundwater
Sample Collected By: FIOL

Date Collected: 07/14/99 @ 10:05AM
Date Extracted: 07/18/99
Date Analyzed: 07/18/99
Dilution Used: 3.1

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Benzene	None Detected	µg/L	2.
Bromobenzene	None Detected	µg/L	2.
Bromochloromethane	None Detected	µg/L	2.
Bromodichloromethane	None Detected	µg/L	2.
Bromoform	None Detected	µg/L	2.
Bromomethane	None Detected	µg/L	2.
n-Butylbenzene	None Detected	µg/L	2.
sec-Butylbenzene	None Detected	µg/L	2.
tert-Butylbenzene	None Detected	µg/L	2.
Carbon tetrachloride	None Detected	µg/L	2.
Chlorobenzene	None Detected	µg/L	2.
Chloroethane	None Detected	µg/L	2.
2-Chloroethylvinyl ether	None Detected	µg/L	70.
Chloroform	None Detected	µg/L	2.
Chloromethane	None Detected	µg/L	2.
2-Chlorotoluene	None Detected	µg/L	2.
4-Chlorotoluene	None Detected	µg/L	2.
Dibromochloromethane	None Detected	µg/L	2.
1,2-Dibromo-3-Chloropropane	None Detected	µg/L	2.
1,2-Dibromoethane	None Detected	µg/L	2.
Dibromomethane	None Detected	µg/L	2.
1,2-Dichlorobenzene	None Detected	µg/L	2.
1,3-Dichlorobenzene	None Detected	µg/L	2.
1,4-Dichlorobenzene	None Detected	µg/L	2.
Dichlorodifluoromethane	None Detected	µg/L	2.
1,1-Dichloroethane	None Detected	µg/L	2.
1,2-Dichloroethane	None Detected	µg/L	2.
1,1-Dichloroethene	2.7	µg/L	2.
cis-1,2-Dichloroethene	None Detected	µg/L	2.
trans-1,2-Dichloroethene	None Detected	µg/L	2.
1,2-Dichloropropane	None Detected	µg/L	2.
1,3-Dichloropropane	None Detected	µg/L	2.
2,2-Dichloropropane	None Detected	µg/L	2.
1,1-Dichloropropene	None Detected	µg/L	2.
cis-1,3-Dichloropropene	None Detected	µg/L	2.
trans-1,3-Dichloropropene	None Detected	µg/L	2.
Ethyl Benzene	None Detected	µg/L	2.
Hexachlorobutadiene	None Detected	µg/L	2.
Isopropylbenzene	None Detected	µg/L	2.
p-Isopropyltoluene	None Detected	µg/L	2.
Methylene Chloride	None Detected	µg/L	2.
Naphthalene	None Detected	µg/L	2.

...ed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, detahcment or third party interpretation.

BC Laboratories, Inc.

Volatile Organic Analysis
(EPA Method 8260)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
Attn: TERESA WILSON 714-278-0992

Date Reported: 07/27/99
Date Received: 07/14/99
Laboratory No.: 99-08204-1

Sample Description: CA000280-0007-00001, ILM, P-3, 07/14/99 @ 10:05AM, FIOL

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
n-Propylbenzene	None Detected	µg/L	2.
Styrene	None Detected	µg/L	2.
1,1,1,2-Tetrachloroethane	None Detected	µg/L	2.
1,1,2,2-Tetrachloroethane	None Detected	µg/L	2.
Tetrachloroethene	None Detected	µg/L	2.
Toluene	None Detected	µg/L	2.
1,2,3-Trichlorobenzene	None Detected	µg/L	2.
1,2,4-Trichlorobenzene	None Detected	µg/L	2.
1,1,1-Trichloroethane	None Detected	µg/L	2.
1,1,2-Trichloroethane	None Detected	µg/L	2.
Trichloroethene	62.	µg/L	2.
Trichlorofluoromethane	None Detected	µg/L	2.
1,2,3-Trichloropropane	None Detected	µg/L	2.
1,2,4-Trimethylbenzene	None Detected	µg/L	2.
1,3,5-Trimethylbenzene	None Detected	µg/L	2.
Vinyl Chloride	None Detected	µg/L	2.
Total Xylenes	None Detected	µg/L	4.

Quality Control Data

Surrogates	% Recovery	Control Limits
1,2-Dichloroethane-d4	87.	76-114
Toluene-d8	96.	88-110
4-Bromofluorobenzene	103.	86-115

Note: PQL's were raised due to high concentration of target analytes requiring sample dilution.

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, detachment or third party interpretation

BC Laboratories, Inc.

Volatile Organic Analysis
(EPA Method 8260)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
Attn: TERESA WILSON 714-278-0992

Date Reported: 07/27/99
Date Received: 07/14/99
Laboratory No.: 99-08204-2

Project Number: CA000280-0007-00001
Sampling Location: ILM
Sample ID: P-16C
Sample Matrix: Groundwater
Sample Collected By: FIOL

Date Collected: 07/14/99 @ 01:25PM
Date Extracted: 07/18/99
Date Analyzed: 07/18/99
Dilution Used: 25

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Benzene	None Detected	µg/L	20.
Bromobenzene	None Detected	µg/L	20.
Bromochloromethane	None Detected	µg/L	20.
Bromodichloromethane	None Detected	µg/L	20.
Bromoform	None Detected	µg/L	20.
Bromomethane	None Detected	µg/L	20.
n-Butylbenzene	None Detected	µg/L	20.
sec-Butylbenzene	None Detected	µg/L	20.
tert-Butylbenzene	None Detected	µg/L	20.
Carbon tetrachloride	None Detected	µg/L	20.
Chlorobenzene	None Detected	µg/L	20.
Chloroethane	None Detected	µg/L	20.
2-Chloroethylvinyl ether	None Detected	µg/L	500.
Chloroform	None Detected	µg/L	20.
Chloromethane	None Detected	µg/L	20.
2-Chlorotoluene	None Detected	µg/L	20.
4-Chlorotoluene	None Detected	µg/L	20.
Dibromochloromethane	None Detected	µg/L	20.
1,2-Dibromo-3-Chloropropane	None Detected	µg/L	20.
1,2-Dibromoethane	None Detected	µg/L	20.
Dibromomethane	None Detected	µg/L	20.
1,2-Dichlorobenzene	None Detected	µg/L	20.
1,3-Dichlorobenzene	None Detected	µg/L	20.
1,4-Dichlorobenzene	None Detected	µg/L	20.
Dichlorodifluoromethane	None Detected	µg/L	20.
1,1-Dichloroethane	None Detected	µg/L	20.
1,2-Dichloroethane	None Detected	µg/L	20.
1,1-Dichloroethene	71.	µg/L	20.
cis-1,2-Dichloroethene	None Detected	µg/L	20.
trans-1,2-Dichloroethene	None Detected	µg/L	20.
1,2-Dichloropropane	None Detected	µg/L	20.
1,3-Dichloropropane	None Detected	µg/L	20.
2,2-Dichloropropane	None Detected	µg/L	20.
1,1-Dichloropropene	None Detected	µg/L	20.
cis-1,3-Dichloropropene	None Detected	µg/L	20.
trans-1,3-Dichloropropene	None Detected	µg/L	20.
Ethyl Benzene	None Detected	µg/L	20.
Hexachlorobutadiene	None Detected	µg/L	20.
Isopropylbenzene	None Detected	µg/L	20.
p-Isopropyltoluene	None Detected	µg/L	20.
Methylene Chloride	None Detected	µg/L	20.
Naphthalene	None Detected	µg/L	20.

...of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, detachment or third party interpretation

BC Laboratories, Inc.

Volatile Organic Analysis
(EPA Method 8260)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
Attn: TERESA WILSON 714-278-0992

Date Reported: 07/27/99
Date Received: 07/14/99
Laboratory No.: 99-08204-2

Sample Description: CA000280-0007-00001, ILM, P-16C, 07/14/99 @ 01:25PM, FIOL

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
n-Propylbenzene	None Detected	µg/L	20.
Styrene	None Detected	µg/L	20.
1,1,1,2-Tetrachloroethane	None Detected	µg/L	20.
1,1,2,2-Tetrachloroethane	None Detected	µg/L	20.
Tetrachloroethene	None Detected	µg/L	20.
Toluene	None Detected	µg/L	20.
1,2,3-Trichlorobenzene	None Detected	µg/L	20.
1,2,4-Trichlorobenzene	None Detected	µg/L	20.
1,1,1-Trichloroethane	None Detected	µg/L	20.
1,1,2-Trichloroethane	None Detected	µg/L	20.
Trichloroethene	440.	µg/L	20.
Trichlorofluoromethane	None Detected	µg/L	20.
1,2,3-Trichloropropane	None Detected	µg/L	20.
1,2,4-Trimethylbenzene	None Detected	µg/L	20.
1,3,5-Trimethylbenzene	None Detected	µg/L	20.
Vinyl Chloride	None Detected	µg/L	20.
Total Xylenes	None Detected	µg/L	30.

Quality Control Data

Surrogates	% Recovery	Control Limits
1,2-Dichloroethane-d4	87.	76-114
Toluene-d8	95.	88-110
4-Bromofluorobenzene	104.	86-115

Note: PQL's were raised due to high concentration of target analytes requiring sample dilution.

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

All results listed in this report are for the exclusive use of the submitting party, BC Laboratories, Inc. assumes no responsibility for report alteration, detahcment or third party interpretation

BC Laboratories, Inc.

Volatile Organic Analysis
(EPA Method 8260)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
Attn: TERESA WILSON 714-278-0992

Date Reported: 07/27/99
Date Received: 07/14/99
Laboratory No.: 99-08204-3

Project Number: CA000280-0007-00001
Sampling Location: ILM
Sample ID: EB071499
Sample Matrix: Groundwater
Sample Collected By: FIOL

Date Collected: 07/14/99 @ 12:45PM
Date Extracted: 07/18/99
Date Analyzed: 07/18/99
Dilution Used: 1

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Benzene	None Detected	µg/L	0.5
Bromobenzene	None Detected	µg/L	0.5
Bromochloromethane	None Detected	µg/L	0.5
Bromodichloromethane	None Detected	µg/L	0.5
Bromoform	None Detected	µg/L	0.5
Bromomethane	None Detected	µg/L	0.5
n-Butylbenzene	None Detected	µg/L	0.5
sec-Butylbenzene	None Detected	µg/L	0.5
tert-Butylbenzene	None Detected	µg/L	0.5
Carbon tetrachloride	None Detected	µg/L	0.5
Chlorobenzene	None Detected	µg/L	0.5
Chloroethane	None Detected	µg/L	0.5
2-Chloroethylvinyl ether	None Detected	µg/L	20.
Chloroform	None Detected	µg/L	0.5
Chloromethane	None Detected	µg/L	0.5
2-Chlorotoluene	None Detected	µg/L	0.5
4-Chlorotoluene	None Detected	µg/L	0.5
Dibromochloromethane	None Detected	µg/L	0.5
1,2-Dibromo-3-Chloropropane	None Detected	µg/L	0.5
1,2-Dibromoethane	None Detected	µg/L	0.5
Dibromomethane	None Detected	µg/L	0.5
1,2-Dichlorobenzene	None Detected	µg/L	0.5
1,3-Dichlorobenzene	None Detected	µg/L	0.5
1,4-Dichlorobenzene	None Detected	µg/L	0.5
Dichlorodifluoromethane	None Detected	µg/L	0.5
1,1-Dichloroethane	None Detected	µg/L	0.5
1,2-Dichloroethane	None Detected	µg/L	0.5
1,1-Dichloroethene	None Detected	µg/L	0.5
cis-1,2-Dichloroethene	None Detected	µg/L	0.5
trans-1,2-Dichloroethene	None Detected	µg/L	0.5
1,2-Dichloropropane	None Detected	µg/L	0.5
1,3-Dichloropropane	None Detected	µg/L	0.5
2,2-Dichloropropane	None Detected	µg/L	0.5
1,1-Dichloropropene	None Detected	µg/L	0.5
cis-1,3-Dichloropropene	None Detected	µg/L	0.5
trans-1,3-Dichloropropene	None Detected	µg/L	0.5
Ethyl Benzene	None Detected	µg/L	0.5
Hexachlorobutadiene	None Detected	µg/L	0.5
Isopropylbenzene	None Detected	µg/L	0.5
p-Isopropyltoluene	None Detected	µg/L	0.5
Methylene Chloride	None Detected	µg/L	0.5
Naphthalene	None Detected	µg/L	0.5

All results listed in this report are for the exclusive use of the submitting party, BC Laboratories, Inc. assumes no responsibility for report alteration, detahcment or third party interp

BC Laboratories, Inc.

Volatile Organic Analysis
(EPA Method 8260)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
Attn: TERESA WILSON 714-278-0992

Date Reported: 07/27/99
Date Received: 07/14/99
Laboratory No.: 99-08204-3

Sample Description: CA000280-0007-00001, ILM, EB071499, 07/14/99 @ 12:45PM, FIOL

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
n-Propylbenzene	None Detected	µg/L	0.5
Styrene	None Detected	µg/L	0.5
1,1,1,2-Tetrachloroethane	None Detected	µg/L	0.5
1,1,2,2-Tetrachloroethane	None Detected	µg/L	0.5
Tetrachloroethene	None Detected	µg/L	0.5
Toluene	None Detected	µg/L	0.5
1,2,3-Trichlorobenzene	None Detected	µg/L	0.5
1,2,4-Trichlorobenzene	None Detected	µg/L	0.5
1,1,1-Trichloroethane	None Detected	µg/L	0.5
1,1,2-Trichloroethane	None Detected	µg/L	0.5
Trichloroethene	None Detected	µg/L	0.5
Trichlorofluoromethane	None Detected	µg/L	0.5
1,2,3-Trichloropropane	None Detected	µg/L	0.5
1,2,4-Trimethylbenzene	None Detected	µg/L	0.5
1,3,5-Trimethylbenzene	None Detected	µg/L	0.5
Vinyl Chloride	None Detected	µg/L	0.5
Total Xylenes	None Detected	µg/L	1.

Quality Control Data

Surrogates	% Recovery	Control Limits
1,2-Dichloroethane-d4	91.	76-114
Toluene-d8	95.	88-110
4-Bromofluorobenzene	103.	86-115

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

...for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, detahcment or third party interpretation.

BC Laboratories, Inc.

Volatile Organic Analysis
(EPA Method 8260)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
Attn: TERESA WILSON 714-278-0992

Date Reported: 07/27/99
Date Received: 07/14/99
Laboratory No.: 99-08204-4

Project Number: CA000280-0007-00001
Sampling Location: ILM
Sample ID: P-9B
Sample Matrix: Groundwater
Sample Collected By: FIOL

Date Collected: 07/14/99 @ 04:00PM
Date Extracted: 07/18/99
Date Analyzed: 07/18/99
Dilution Used: 10

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Benzene	None Detected	µg/L	5.
Bromobenzene	None Detected	µg/L	5.
Bromochloromethane	None Detected	µg/L	5.
Bromodichloromethane	None Detected	µg/L	5.
Bromoform	None Detected	µg/L	5.
Bromomethane	None Detected	µg/L	5.
n-Butylbenzene	None Detected	µg/L	5.
sec-Butylbenzene	None Detected	µg/L	5.
tert-Butylbenzene	None Detected	µg/L	5.
Carbon tetrachloride	None Detected	µg/L	5.
Chlorobenzene	None Detected	µg/L	5.
Chloroethane	None Detected	µg/L	5.
2-Chloroethylvinyl ether	None Detected	µg/L	200.
Chloroform	None Detected	µg/L	5.
Chloromethane	None Detected	µg/L	5.
2-Chlorotoluene	None Detected	µg/L	5.
4-Chlorotoluene	None Detected	µg/L	5.
Dibromochloromethane	None Detected	µg/L	5.
1,2-Dibromo-3-Chloropropane	None Detected	µg/L	5.
1,2-Dibromoethane	None Detected	µg/L	5.
Dibromomethane	None Detected	µg/L	5.
1,2-Dichlorobenzene	None Detected	µg/L	5.
1,3-Dichlorobenzene	None Detected	µg/L	5.
1,4-Dichlorobenzene	None Detected	µg/L	5.
Dichlorodifluoromethane	None Detected	µg/L	5.
1,1-Dichloroethane	None Detected	µg/L	5.
1,2-Dichloroethane	None Detected	µg/L	5.
1,1-Dichloroethene	None Detected	µg/L	5.
cis-1,2-Dichloroethene	None Detected	µg/L	5.
trans-1,2-Dichloroethene	None Detected	µg/L	5.
1,2-Dichloropropane	None Detected	µg/L	5.
1,3-Dichloropropane	None Detected	µg/L	5.
2,2-Dichloropropane	None Detected	µg/L	5.
1,1-Dichloropropene	None Detected	µg/L	5.
cis-1,3-Dichloropropene	None Detected	µg/L	5.
trans-1,3-Dichloropropene	None Detected	µg/L	5.
Ethyl Benzene	None Detected	µg/L	5.
Hexachlorobutadiene	None Detected	µg/L	5.
Isopropylbenzene	None Detected	µg/L	5.
p-Isopropyltoluene	None Detected	µg/L	5.
Methylene Chloride	None Detected	µg/L	5.
Naphthalene	None Detected	µg/L	5.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, detahcment or third party interpretation.

BC Laboratories, Inc.

Volatile Organic Analysis
(EPA Method 8260)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
Attn: TERESA WILSON 714-278-0992

Date Reported: 07/27/99
Date Received: 07/14/99
Laboratory No.: 99-08204-4

Sample Description: CA000280-0007-00001, ILM, P-9B, 07/14/99 @ 04:00PM, FIOL

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
n-Propylbenzene	None Detected	µg/L	5.
Styrene	None Detected	µg/L	5.
1,1,1,2-Tetrachloroethane	None Detected	µg/L	5.
1,1,2,2-Tetrachloroethane	None Detected	µg/L	5.
Tetrachloroethene	None Detected	µg/L	5.
Toluene	None Detected	µg/L	5.
1,2,3-Trichlorobenzene	None Detected	µg/L	5.
1,2,4-Trichlorobenzene	None Detected	µg/L	5.
1,1,1-Trichloroethane	None Detected	µg/L	5.
1,1,2-Trichloroethane	None Detected	µg/L	5.
Trichloroethene	410.	µg/L	20.
Trichlorofluoromethane	None Detected	µg/L	5.
1,2,3-Trichloropropane	None Detected	µg/L	5.
1,2,4-Trimethylbenzene	None Detected	µg/L	5.
1,3,5-Trimethylbenzene	None Detected	µg/L	5.
Vinyl Chloride	None Detected	µg/L	5.
Total Xylenes	None Detected	µg/L	10.

Quality Control Data

Surrogates	% Recovery	Control Limits
1,2-Dichloroethane-d4	88.	76-114
Toluene-d8	94.	88-110
4-Bromofluorobenzene	105.	86-115

Note: PQL's were raised due to high concentration of target analytes requiring sample dilution.

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, detachment or third party interpretation.

BC Laboratories, Inc.

Volatile Organic Analysis
(EPA Method 8260)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
Attn: TERESA WILSON 714-278-0992

Date Reported: 07/27/99
Date Received: 07/14/99
Laboratory No.: 99-08204-5

Project Number: CA000280-0007-00001
Sampling Location: ILM
Sample ID: P-6B
Sample Matrix: Groundwater
Sample Collected By: FIOL

Date Collected: 07/14/99 @ 05:00PM
Date Extracted: 07/18/99
Date Analyzed: 07/18/99
Dilution Used: 10

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Benzene	None Detected	µg/L	5.
Bromobenzene	None Detected	µg/L	5.
Bromochloromethane	None Detected	µg/L	5.
Bromodichloromethane	None Detected	µg/L	5.
Bromoform	None Detected	µg/L	5.
Bromomethane	None Detected	µg/L	5.
n-Butylbenzene	None Detected	µg/L	5.
sec-Butylbenzene	None Detected	µg/L	5.
tert-Butylbenzene	None Detected	µg/L	5.
Carbon tetrachloride	None Detected	µg/L	5.
Chlorobenzene	None Detected	µg/L	5.
Chloroethane	None Detected	µg/L	5.
2-Chloroethylvinyl ether	None Detected	µg/L	200.
Chloroform	None Detected	µg/L	5.
Chloromethane	None Detected	µg/L	5.
2-Chlorotoluene	None Detected	µg/L	5.
4-Chlorotoluene	None Detected	µg/L	5.
Dibromochloromethane	None Detected	µg/L	5.
1,2-Dibromo-3-Chloropropane	None Detected	µg/L	5.
1,2-Dibromoethane	None Detected	µg/L	5.
Dibromomethane	None Detected	µg/L	5.
1,2-Dichlorobenzene	None Detected	µg/L	5.
1,3-Dichlorobenzene	None Detected	µg/L	5.
1,4-Dichlorobenzene	None Detected	µg/L	5.
Dichlorodifluoromethane	None Detected	µg/L	5.
1,1-Dichloroethane	None Detected	µg/L	5.
1,2-Dichloroethane	None Detected	µg/L	5.
1,1-Dichloroethene	None Detected	µg/L	5.
cis-1,2-Dichloroethene	None Detected	µg/L	5.
trans-1,2-Dichloroethene	None Detected	µg/L	5.
1,2-Dichloropropane	None Detected	µg/L	5.
1,3-Dichloropropane	None Detected	µg/L	5.
2,2-Dichloropropane	None Detected	µg/L	5.
1,1-Dichloropropene	None Detected	µg/L	5.
cis-1,3-Dichloropropene	None Detected	µg/L	5.
trans-1,3-Dichloropropene	None Detected	µg/L	5.
Ethyl Benzene	None Detected	µg/L	5.
Hexachlorobutadiene	None Detected	µg/L	5.
Isopropylbenzene	None Detected	µg/L	5.
p-Isopropyltoluene	None Detected	µg/L	5.
Methylene Chloride	None Detected	µg/L	5.
Naphthalene	None Detected	µg/L	5.

... for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, detachment or third party interpretation.

BC Laboratories, Inc.

Volatile Organic Analysis
(EPA Method 8260)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
Attn: TERESA WILSON 714-278-0992

Date Reported: 07/27/99
Date Received: 07/14/99
Laboratory No.: 99-08204-5

Sample Description: CA000280-0007-00001, ILM, P-6B, 07/14/99 @ 05:00PM, FIOL

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
n-Propylbenzene	None Detected	µg/L	5.
Styrene	None Detected	µg/L	5.
1,1,1,2-Tetrachloroethane	None Detected	µg/L	5.
1,1,2,2-Tetrachloroethane	None Detected	µg/L	5.
Tetrachloroethene	7.8	µg/L	5.
Toluene	None Detected	µg/L	5.
1,2,3-Trichlorobenzene	None Detected	µg/L	5.
1,2,4-Trichlorobenzene	None Detected	µg/L	5.
1,1,1-Trichloroethane	None Detected	µg/L	5.
1,1,2-Trichloroethane	None Detected	µg/L	5.
Trichloroethene	420.	µg/L	20.
Trichlorofluoromethane	None Detected	µg/L	5.
1,2,3-Trichloropropane	None Detected	µg/L	5.
1,2,4-Trimethylbenzene	None Detected	µg/L	5.
1,3,5-Trimethylbenzene	None Detected	µg/L	5.
Vinyl Chloride	None Detected	µg/L	5.
Total Xylenes	None Detected	µg/L	10.

Quality Control Data

Surrogates	% Recovery	Control Limits
1,2-Dichloroethane-d4	86.	76-114
Toluene-d8	93.	88-110
4-Bromofluorobenzene	103.	86-115

Note: PQL's were raised due to high concentration of target analytes requiring sample dilution.

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

All results listed in this report are for the exclusive use of the submitting party, BC Laboratories, Inc. assumes no responsibility for report alteration, detahcment or third party interpretatiion.

BC Laboratories, Inc.

Volatile Organic Analysis
(EPA Method 8260)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
Attn: TERESA WILSON 714-278-0992

Date Reported: 07/27/99
Date Received: 07/14/99
Laboratory No.: 99-08204-6TB

Project Number: CA000280-0007-00001
Sampling Location: ILM
Sample ID: TRIP BLANK
Sample Matrix: Blank Water
Sample Collected By: FIOL

Date Collected: 07/14/99
Date Extracted: 07/18/99
Date Analyzed: 07/18/99
Dilution Used: 1

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Benzene	None Detected	µg/L	0.5
Bromobenzene	None Detected	µg/L	0.5
Bromochloromethane	None Detected	µg/L	0.5
Bromodichloromethane	None Detected	µg/L	0.5
Bromoform	None Detected	µg/L	0.5
Bromomethane	None Detected	µg/L	0.5
n-Butylbenzene	None Detected	µg/L	0.5
sec-Butylbenzene	None Detected	µg/L	0.5
tert-Butylbenzene	None Detected	µg/L	0.5
Carbon tetrachloride	None Detected	µg/L	0.5
Chlorobenzene	None Detected	µg/L	0.5
Chloroethane	None Detected	µg/L	0.5
2-Chloroethylvinyl ether	None Detected	µg/L	20.
Chloroform	None Detected	µg/L	0.5
Chloromethane	None Detected	µg/L	0.5
2-Chlorotoluene	None Detected	µg/L	0.5
4-Chlorotoluene	None Detected	µg/L	0.5
Dibromochloromethane	None Detected	µg/L	0.5
1,2-Dibromo-3-Chloropropane	None Detected	µg/L	0.5
1,2-Dibromoethane	None Detected	µg/L	0.5
Dibromomethane	None Detected	µg/L	0.5
1,2-Dichlorobenzene	None Detected	µg/L	0.5
1,3-Dichlorobenzene	None Detected	µg/L	0.5
1,4-Dichlorobenzene	None Detected	µg/L	0.5
Dichlorodifluoromethane	None Detected	µg/L	0.5
1,1-Dichloroethane	None Detected	µg/L	0.5
1,2-Dichloroethane	None Detected	µg/L	0.5
1,1-Dichloroethene	None Detected	µg/L	0.5
cis-1,2-Dichloroethene	None Detected	µg/L	0.5
trans-1,2-Dichloroethene	None Detected	µg/L	0.5
1,2-Dichloropropane	None Detected	µg/L	0.5
1,3-Dichloropropane	None Detected	µg/L	0.5
2,2-Dichloropropane	None Detected	µg/L	0.5
1,1-Dichloropropene	None Detected	µg/L	0.5
cis-1,3-Dichloropropene	None Detected	µg/L	0.5
trans-1,3-Dichloropropene	None Detected	µg/L	0.5
Ethyl Benzene	None Detected	µg/L	0.5
Hexachlorobutadiene	None Detected	µg/L	0.5
Isopropylbenzene	None Detected	µg/L	0.5
p-Isopropyltoluene	None Detected	µg/L	0.5
Methylene Chloride	2.5	µg/L	0.5
Naphthalene	None Detected	µg/L	0.5

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, detachment or third party interpretation.

BC Laboratories, Inc.

Volatile Organic Analysis
(EPA Method 8260)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
Attn: TERESA WILSON 714-278-0992

Date Reported: 07/27/99
Date Received: 07/14/99
Laboratory No.: 99-08204-6TB

Sample Description: CA000280-0007-00001, ILM, TRIP BLANK, 07/14/99, FIOL

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
n-Propylbenzene	None Detected	µg/L	0.5
Styrene	None Detected	µg/L	0.5
1,1,1,2-Tetrachloroethane	None Detected	µg/L	0.5
1,1,2,2-Tetrachloroethane	None Detected	µg/L	0.5
Tetrachloroethene	None Detected	µg/L	0.5
Toluene	None Detected	µg/L	0.5
1,2,3-Trichlorobenzene	None Detected	µg/L	0.5
1,2,4-Trichlorobenzene	None Detected	µg/L	0.5
1,1,1-Trichloroethane	None Detected	µg/L	0.5
1,1,2-Trichloroethane	None Detected	µg/L	0.5
Trichloroethene	None Detected	µg/L	0.5
Trichlorofluoromethane	None Detected	µg/L	0.5
1,2,3-Trichloropropane	None Detected	µg/L	0.5
1,2,4-Trimethylbenzene	None Detected	µg/L	0.5
1,3,5-Trimethylbenzene	None Detected	µg/L	0.5
Vinyl Chloride	None Detected	µg/L	0.5
Total Xylenes	None Detected	µg/L	1.

Quality Control Data

Surrogates	% Recovery	Control Limits
1,2-Dichloroethane-d4	91.	76-114
Toluene-d8	97.	88-110
4-Bromofluorobenzene	102.	86-115

Note: Internal end BFB 12 hour criteria not met.

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

... for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, detahcment or third party interpretation.

BC Laboratories, Inc

B C LABORATORIES
QUALITY CONTROL REPORT - LEVEL III
(Instrumental & Blank Parameters)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
TERESA WILSON

Date of Report: 08/26/99
Sample Matrix: Groundwater

Samples Affected: 99-08204-1 - 99-08204-5

Constituents	ICV % Found	CCV % Found Before	CCV % Found After	% Found Control Limits	CCB Readings Before	CCB Readings After	Units	Method Blank Readings	Units
Sulfate	98.	96.	96.	90 - 110	< 1.0	< 1.0	mg/L	< 1.	mg/L
Chloride	99.	97.	97.	90 - 110	< 0.5	< 0.5	mg/L	< 0.5	mg/L
Nitrate/Nitrite as N	98.	98.	103.	90 - 110	< 0.1	< 0.1	mg/L	< 0.1	mg/L
Total Alkalinity as CaCO3								< 5.0	mg/L
Ammonia as N	100.	97.	97.	90 - 110	< 0.02	< 0.02	mg/L	< 0.02	mg/L
Ortho-phosphate	101.	101.	100.	90 - 110	< 0.05	< 0.05	mg/L	< 0.05	mg/L
Dissolved Non-Volatile Organic Carbon	103.	102.	103.	90 - 110	< 1.	< 1.	mg/L	< 1.	mg/L

ICV = Initial Calibration Verification; CCV = Continuing Calibration Verification
CCB = Continuing Calibration Blank

Quality Control Officer

Anthony Bonanno

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

* (661) 327-4911 * Fax (661) 327-1918 * www.bclabs.com

BOE-C6-0102102

BC Laboratories, Inc

B C LABORATORIES
QUALITY CONTROL REPORT - LEVEL III
(Precision & Accuracy)

Date of Report: 08/26/99
Sample Matrix: Groundwate

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
TERESA WILSON

Samples Affected: 99-08204-1 - 99-08204-5

Constituents	QC Sample ID	Sample Result	Sample Duplicate	MS Result	MSD Result	MS Spike Level	MSD Spike Level	Units	Sample R.P.D.	Spike R.P.D.	Precision Control Limits	MS % Rec	MSD % Rec	Accuracy Control Limits
Sulfate	8204-1X2	296.6	297.8	500.4	501.3	200.0	200.0	mg/L	0.	0.	10	102.	102.	90 - 11
Chloride	8204-1X2	409.3	410.7	608.3	609.4	200.0	200.0	mg/L	0.	0.	10	100.	100.	90 - 11
Nitrate/Nitrite as N	8130-1X10	28.41	28.41	49.32	49.32	21.05	21.05	mg/L	0.	0.	10	99.	99.	90 - 11
Bicarbonate	8704-1	1.72	1.68	2.98	2.96	1.33	1.33	mls.titr.	2.	1.	10	95.	93.	80 - 12
Bicarbonate #2-5	8205-1	1.84	1.86	3.08	3.14	1.33	1.33	mls.titr.	1.	2.	10	93.	98.	80 - 12
Ammonia as N	8130-1	0.03503	0.03503	0.5865	0.5865	0.5263	0.5263	mg/L	<PQL	0.	10	105.	105.	90 - 1
Ortho-phosphate	8204-1	0.08549	0.07688	0.6796	0.6968	0.6132	0.6132	mg/L	<PQL	3.	10	97.	100.	90 - 1
Dissolved Non-Volatile Organic Carbon	DOC-8130-1	14.89	14.63	31.37	31.14	20.00	20.00	mg/L	2.	1.	10	82.	81.	80 - 1

MS = Matrix Spike; MSD = Matrix Spike Duplicate; RPD = Relative Percent Difference

Quality Control Officer

Anthony Bonanno

All results listed in this report are for the exclusive use of the submitting party. BC Labo... ...es, Inc. assumes no responsibility for report alteration, separation, detachment or t... ...rty interpretation.

BOE-C6-0102103

BC Laboratories, Inc

B C LABORATORIES
QUALITY CONTROL REPORT - LEVEL III
(Laboratory Control Sample)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
TERESA WILSON

Date of Report: 08/26/99
Sample Matrix: Groundwater

Samples Affected: 99-08204-1 - 99-08204-5

Constituents	QC Sample ID	Sample Result	Spike Level	Units	% Rec	Accuracy Control Limits
Sulfate	LCSW-07-15	96.91	100.	mg/L	97.	90 - 110
Chloride	LCSW-07-15	98.59	100.	mg/L	99.	90 - 110
Nitrate/Nitrite as N	LCSW	1.918	2.	mg/L	96.	90 - 110
Bicarbonate	LCSW	2.18	2.12	mls.titr.	103.	90 - 110
Ammonia as N	LCSW	0.5	0.5	mg/L	100.	90 - 110
Ortho-phosphate	LCSW-7-15-	30.97	30.662	mg/L	101.	90 - 110
Dissolved Non-Volatile Organic Carbon	LCSW1-07-1	20.48	20.	mg/L	102.	85 - 115

Quality Control Officer

Anthony Bonanno

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

BC Laboratories, Inc

B C LABORATORIES
QUALITY CONTROL REPORT - LEVEL III
(Instrumental & Blank Parameters)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
TERESA WILSON

Date of Report: 08/26/99
Sample Matrix: Groundwater

Samples Affected: 99-08204-1 - 99-08204-5

Constituents	ICV % Found	CCV % Found Before	CCV % Found After	% Found Control Limits	CCB Readings Before	CCB Readings After	Units	Method Blank Readings	Units
Dissolved Aluminum	104.	104.	99.	90 - 110	<50.	<50.	µg/L	<50.	µg/L
Dissolved Aluminum #3	102.	103.	103.	90 - 110	<50.	<50.	µg/L	<50.	µg/L
Dissolved Aluminum #5	99.	99.	100.	90 - 110	<50.	<50.	µg/L	<50.	µg/L
Dissolved Antimony	103.	106.	110.	90 - 110	<100.	<100.	µg/L	<100.	µg/L
Dissolved Arsenic	96.	104.	102.	90 - 110	< 1.	< 1.	µg/L	< 2.	µg/L
Dissolved Barium	98.	98.	97.	90 - 110	<100.	<100.	µg/L	<100.	µg/L
Dissolved Beryllium	101.	102.	103.	90 - 110	<10.	<10.	µg/L	<10.	µg/L
Dissolved Cadmium	99.	101.	100.	90 - 110	<10.	<10.	µg/L	<10.	µg/L
Dissolved Chromium	100.	102.	104.	90 - 110	<10.	<10.	µg/L	<10.	µg/L
Hexavalent Chromium	100.	100.	99.	90 - 110	< 2.	< 2.	µg/L	< 2.	µg/L
Dissolved Cobalt	98.	100.	100.	90 - 110	<50.	<50.	µg/L	<50.	µg/L
Dissolved Copper	96.	97.	97.	90 - 110	<10.	<10.	µg/L	<10.	µg/L
Dissolved Lead	100.	96.	98.	90 - 110	< 5.	< 5.	µg/L	< 5.	µg/L
Dissolved Manganese	98.	99.	99.	90 - 110	<10.	<10.	µg/L	<10.	µg/L
Dissolved Mercury	95.	95.	99.	80 - 120	< 0.2	< 0.2	µg/L	< 0.2	µg/L
Dissolved Molybdenum	101.	103.	106.	90 - 110	<50.	<50.	µg/L	<50.	µg/L
Dissolved Nickel	102.	102.	105.	90 - 110	<50.	<50.	µg/L	<50.	µg/L
Dissolved Selenium	104.	102.	103.	90 - 110	< 1.	< 1.	µg/L	< 2.	µg/L
Dissolved Silver	101.	100.	106.	90 - 110	<10.	<10.	µg/L	<10.	µg/L
Dissolved Titanium	99.	100.	101.	90 - 110	<10.	<10.	µg/L	<10.	µg/L
Dissolved Thallium	104.	104.	104.	90 - 110	< 1.	< 1.	µg/L	< 1.	µg/L
Dissolved Vanadium	104.	105.	104.	90 - 110	<10.	<10.	µg/L	<10.	µg/L
Dissolved Zinc	100.	103.	103.	90 - 110	<10.	<10.	µg/L	<10.	µg/L
Total Aluminum	100.	99.	102.	90 - 110	<50.	<50.	µg/L	<50.	µg/L
Total Antimony	102.	100.	106.	90 - 110	<100.	<100.	µg/L	<100.	µg/L
Total Arsenic	96.	104.	102.	90 - 110	< 1.	< 1.	µg/L	< 2.	µg/L
Total Barium	101.	101.	98.	90 - 110	<100.	<100.	µg/L	<10.	µg/L
Total Beryllium	98.	98.	100.	90 - 110	<10.	<10.	µg/L	<10.	µg/L
Total Cadmium	99.	101.	101.	90 - 110	<10.	<10.	µg/L	< 5.	µg/L
Total Chromium	96.	97.	101.	90 - 110	<10.	<10.	µg/L	<10.	µg/L
Total Cobalt	98.	100.	101.	90 - 110	<50.	<50.	µg/L	<10.	µg/L

A. esults listed in this report are for the exclusive use of the submitting party. BC Lab es, Inc. assumes no responsibility for report alteration, separation, detachment or t rty interpretation.

BC Laboratories, Inc

B C LABORATORIES
QUALITY CONTROL REPORT - LEVEL III
(Instrumental & Blank Parameters)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
TERESA WILSON

Date of Report: 08/26/99
Sample Matrix: Groundwater

Samples Affected: 99-08204-1 - 99-08204-5

Constituents	ICV % Found	CCV % Found Before	CCV % Found After	% Found Control Limits	CCB Readings Before	CCB Readings After	Units	Method Blank Readings	Units
Total Copper	99.	100.	98.	90 - 110	<10.	<10.	µg/L	<10.	µg/L
Total Iron	98.	99.	102.	90 - 110	<50.	<50.	µg/L	<50.	µg/L
Total Lead	100.	98.	99.	90 - 110	< 5.	< 5.	µg/L	< 5.	µg/L
Total Manganese	99.	101.	100.	90 - 110	<10.	<10.	µg/L	<10.	µg/L
Total Mercury	95.	99.	92.	80 - 120	< 0.2	< 0.2	µg/L	< 0.2	µg/L
Total Mercury #4	100.	105.	105.	80 - 120	< 0.2	< 0.2	µg/L	< 0.2	µg/L
Total Molybdenum	99.	99.	103.	90 - 110	<50.	<50.	µg/L	<10.	µg/L
Total Nickel	98.	99.	103.	90 - 110	<50.	<50.	µg/L	<50.	µg/L
Total Selenium	104.	102.	103.	90 - 110	< 1.	< 1.	µg/L	< 2.	µg/L
Total Silver	100.	102.	101.	90 - 110	<10.	<10.	µg/L	<10.	µg/L
Total Titanium	96.	97.	98.	90 - 110	<10.	<10.	µg/L	<10.	µg/L
Total Thallium	104.	102.	109.	90 - 110	< 1.	< 1.	µg/L	< 5.0	µg/L
Total Vanadium	103.	105.	103.	90 - 110	<10.	<10.	µg/L	<10.	µg/L
Total Zinc	101.	102.	103.	90 - 110	<50.	<50.	µg/L	<50.	µg/L

ICV = Initial Calibration Verification; CCV = Continuing Calibration Verification
CCB = Continuing Calibration Blank

Quality Control Officer

Anthony Bonanno

BOE-C6-0102106

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation

BC Laboratories, Inc

B C LABORATORIES
QUALITY CONTROL REPORT
(Precision & Accuracy)

Date of Report: 08/31/99
Sample Matrix: Groundwater

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
TERESA WILSON

Samples Affected: 99-08204-1 - 99-08204-5

Constituents	QC Sample ID	Sample Result	Sample Duplicate	MS Result	MSD Result	MS Spike Level	MSD Spike Level	Units	Sample R.P.D.	Spike R.P.D.	Precision Control Limits	MS % Rec	MSD % Rec	Accuracy Control Limits
Dissolved Aluminum #1,2,4	8205-2	< 50.	< 50.	394.	386.	408.	408.	µg/L	<PQL	2.	20	107.	105.	85 - 115
Dissolved Aluminum #3	8204-3	< 50.	< 50.	412.	404.	408.	408.	µg/L	<PQL	2.	20	110.	108.	85 - 115
Dissolved Aluminum #5	8205-2-Q-C	< 50.	< 50.	430.	414.	408.	408.	µg/L	<PQL	4.	20	110.	106.	85 - 115
Dissolved Antimony	8204-3	<100.	<100.	452.	455.	408.	408.	µg/L	<PQL	1.	20	114.	115.	85 - 115
Dissolved Arsenic	8204-1	2.14	2.22	22.4	22.9	20.	20.	µg/L	<PQL	2.	20	101.	104.	85 - 115
Dissolved Barium	8204-3	<100.	<100.	201.	202.	204.	204.	µg/L	<PQL	1.	20	99.	99.	85 - 115
Dissolved Beryllium	8204-3	< 10.	< 10.	210.	211.	204.	204.	µg/L	<PQL	0.	20	103.	104.	85 - 115
Dissolved Cadmium	8204-3	< 10.	< 10.	211.	212.	204.	204.	µg/L	<PQL	0.	20	103.	103.	85 - 115
Dissolved Chromium	8204-3	< 10.	< 10.	218.	217.	204.	204.	µg/L	<PQL	0.	20	106.	106.	85 - 115
Hexavalent Chromium	8204-1	12.4	12.4	68.1	68.8	52.6	52.6	µg/L	0.	1.	10	106.	107.	85 - 115
Dissolved Cobalt	8204-3	< 50.	< 50.	221.	221.	204.	204.	µg/L	<PQL	0.	20	109.	108.	85 - 115
Dissolved Copper	8204-3	< 10.	< 10.	195.	196.	204.	204.	µg/L	<PQL	1.	20	97.	98.	85 - 115
Dissolved Lead	DISS-8130-1	< 5.	< 5.	24.	24.2	25.	25.	µg/L	<PQL	1.	20	96.	96.	85 - 115
Dissolved Manganese	8204-3	< 10.	< 10.	206.	206.	204.	204.	µg/L	<PQL	0.	20	100.	101.	85 - 115
Dissolved Mercury	DISS-08204-1	< 0.2	< 0.2	0.996	1.05	1.	1.	µg/L	<PQL	6.	20	91.	97.	70 - 130
Dissolved Molybdenum	8204-3	< 50.	< 50.	203.	212.	204.	204.	µg/L	<PQL	4.	20	100.	104.	85 - 115
Dissolved Nickel	8204-3	< 50.	< 50.	437.	438.	408.	408.	µg/L	<PQL	0.	20	107.	107.	85 - 115
Dissolved Selenium	DISS-8204-1	< 2.	< 2.	20.8	21.1	20.	20.	µg/L	<PQL	1.	20	101.	103.	85 - 115
Dissolved Silver	8204-3	< 10.	< 10.	207.	208.	204.	204.	µg/L	<PQL	0.	20	101.	101.	85 - 115
Dissolved Titanium	8204-3	< 10.	< 10.	203.	205.	204.	204.	µg/L	<PQL	1.	20	100.	101.	85 - 115
Dissolved Thallium	DISS-8130-1	< 1.	< 1.	27.	25.6	25.	25.	µg/L	<PQL	5.	20	108.	102.	85 - 115
Dissolved Vanadium	8204-3	< 10.	< 10.	208.	209.	204.	204.	µg/L	<PQL	0.	20	102.	103.	85 - 115
Dissolved Zinc	8204-3	< 10.	< 10.	222.	223.	204.	204.	µg/L	<PQL	0.	20	108.	108.	85 - 115
Total Aluminum	TOTAL-8204-4-0	1240.	1200.	2240.	2280.	400.	400.	µg/L	3.	2.	20	250.	260.	80 - 120
Total Antimony	TOTAL-8204-4-0	<100.	<100.	412.	418.	400.	400.	µg/L	<PQL	2.	20	105.	107.	80 - 120
Total Arsenic	DISS-8204-1	2.14	2.22	22.4	22.9	20.	20.	µg/L	<PQL	2.	20	101.	104.	80 - 120
Total Barium	TOTAL-8204-4-0	91.3	89.4	279.	281.	200.	200.	µg/L	<PQL	1.	20	94.	95.	80 - 120
Total Beryllium	TOTAL-8204-4-0	< 10.	< 10.	187.	189.	200.	200.	µg/L	<PQL	1.	20	93.	95.	80 - 120
Total Cadmium	TOTAL-8204-4-0	< 10.	< 10.	192.	196.	200.	200.	µg/L	<PQL	2.	20	98.	100.	80 - 120
Total Chromium	TOTAL-8204-4-0	8.5	14.4	200.	206.	200.	200.	µg/L	<PQL	3.	20	96.	99.	80 - 120
Total Cobalt	TOTAL-8204-4-0	< 50.	< 50.	198.	204.	200.	200.	µg/L	<PQL	3.	20	99.	101.	80 - 120

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or thir interpretation.

[illegible] Court * Bakersfield, CA 93308 * (661) 327-4911 * Fax (661) 327-1918 * www.bclabs.com

BC Laboratories, Inc

B C LABORATORIES
QUALITY CONTROL REPORT
(Precision & Accuracy)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
TERESA WILSON

Date of Report: 08/31/99
Sample Matrix: Groundwater

Samples Affected: 99-08204-1 - 99-08204-5

Constituents	QC Sample ID	Sample Result	Sample Duplicate	MS Result	MSD Result	MS Spike Level	MSD Spike Level	Units	Sample R.P.D.	Spike R.P.D.	Precision Control Limits	MS % Rec	MSD % Rec	Accuracy Control Limits
Total Copper	TOTAL-8204-4-0	< 10.	< 10.	178.	178.	200.	200.	µg/L	<PQL	0.	20	88.	88.	80 - 120
Total Iron	TOTAL-8204-4-0	1990.	1940.	2530.	2560.	400.	400.	µg/L	3.	1.	20	H MEAN	H MEAN	80 - 120
Total Lead	TOTAL-8204-1	< 5.	< 5.	16.9	16.8	20.	20.	µg/L	<PQL	1.	20	83.	82.	80 - 120
Total Manganese	TOTAL-8204-4-0	19.5	19.2	208.	212.	200.	200.	µg/L	<PQL	2.	20	95.	96.	80 - 120
Total Mercury #1-3,5	TOTAL-08204-1	0.12	0.108	0.996	1.08	1.	1.	µg/L	<PQL	8.	20	88.	96.	70 - 130
Total Mercury #4	TOTAL-08204-4	< 0.2	< 0.2	1.12	1.11	1.	1.	µg/L	<PQL	1.	20	109.	108.	70 - 130
Total Molybdenum	TOTAL-8204-4-0	< 50.	< 50.	198.	201.	200.	200.	µg/L	<PQL	2.	20	99.	101.	80 - 120
Total Nickel	TOTAL-8204-4-0	< 50.	< 50.	377.	386.	400.	400.	µg/L	<PQL	3.	20	95.	97.	80 - 120
Total Selenium	DISS-8204-1	< 2.	< 2.	20.8	21.1	20.	20.	µg/L	<PQL	1.	20	101.	103.	80 - 120
Total Silver	TOTAL-8204-4-0	< 10.	< 10.	192.	194.	200.	200.	µg/L	<PQL	1.	20	102.	103.	80 - 120
Total Titanium	TOTAL-8204-4-0	80.2	78.7	278.	281.	200.	200.	µg/L	2.	1.	20	99.	100.	80 - 120
Total Thallium	TOTAL-8204-1	1.04	0.73	21.2	21.3	20.	20.	µg/L	<PQL	1.	20	101.	101.	80 - 120
Total Vanadium	TOTAL-8204-4-0	< 10.	5.3	193.	196.	200.	200.	µg/L	<PQL	1.	20	96.	97.	80 - 120
Total Zinc	TOTAL-8204-4-0	< 50.	< 50.	217.	221.	200.	200.	µg/L	<PQL	2.	20	100.	102.	80 - 120

MS = Matrix Spike; MSD = Matrix Spike Duplicate; RPD = Relative Percent Difference

H Mean - sample concentration is greater than four times the spike level.
The matrix spike recoveries for total aluminum are outside QC limits.
The sample report is flagged accordingly.

Quality Control Officer

Anthony Bonanno

BOE-C6-0102108

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

BC Laboratories, Inc

B C LABORATORIES
QUALITY CONTROL REPORT - LEVEL III
(Laboratory Control Sample)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
TERESA WILSON

Date of Report: 08/26/99
Sample Matrix: Groundwater

Samples Affected: 99-08204-1 - 99-08204-5

Constituents	QC Sample ID	Sample Result	Spike Level	Units	% Rec	Accuracy Control Limits
Dissolved Aluminum	LFB#1-0630	378.	400.	µg/L	94.	85 - 115
Dissolved Aluminum #3	LFB#2-0129	403.	400.	µg/L	101.	85 - 115
Dissolved Aluminum #5	LFB#1-0630	383.	400.	µg/L	96.	85 - 115
Dissolved Antimony	LFB#2-0129	432.	400.	µg/L	108.	85 - 115
Dissolved Arsenic	LCSW3-07-1	10.3	10.	µg/L	103.	85 - 115
Dissolved Barium	LFB#2-0129	194.	200.	µg/L	97.	85 - 115
Dissolved Beryllium	LFB#2-0129	202.	200.	µg/L	101.	85 - 115
Dissolved Cadmium	LFB#2-0129	202.	200.	µg/L	101.	85 - 115
Dissolved Chromium	LFB#2-0129	206.	200.	µg/L	103.	85 - 115
Hexavalent Chromium	LCSW-7-15-	1030.	1000.	µg/L	103.	85 - 115
Dissolved Cobalt	LFB#2-0129	209.	200.	µg/L	105.	85 - 115
Dissolved Copper	LFB#2-0129	184.	200.	µg/L	92.	85 - 115
Dissolved Lead	LFB-25-LCS	26.7	25.	µg/L	107.	85 - 115
Dissolved Manganese	LFB#2-0129	196.	200.	µg/L	98.	85 - 115
Dissolved Mercury	LCSW1-07-1	0.996	1.0	µg/L	100.	85 - 115
Dissolved Molybdenum	LFB#2-0129	206.	200.	µg/L	103.	85 - 115
Dissolved Nickel	LFB#2-0129	416.	400.	µg/L	104.	85 - 115
Dissolved Selenium	LCSW3-07-1	9.81	10.	µg/L	98.	85 - 115
Dissolved Silver	LFB#2-0129	198.	200.	µg/L	99.	85 - 115
Dissolved Titanium	LFB#2-0129	197.	200.	µg/L	99.	85 - 115
Dissolved Thallium	LFB-25-LCS	25.9	25.	µg/L	104.	85 - 115
Dissolved Vanadium	LFB#2-0129	198.	200.	µg/L	99.	85 - 115
Dissolved Zinc	LFB#2-0129	209.	200.	µg/L	104.	85 - 115
Total Aluminum	TOTAL-LCSW	415.	400.	µg/L	104.	85 - 115
Total Antimony	TOTAL-LCSW	443.	400.	µg/L	111.	85 - 115
Total Arsenic	LCSW3-07-1	10.3	10.	µg/L	103.	85 - 115
Total Barium	TOTAL-LCSW	195.	200.	µg/L	97.	85 - 115
Total Beryllium	TOTAL-LCSW	196.	200.	µg/L	98.	85 - 115
Total Cadmium	TOTAL-LCSW	203.	200.	µg/L	102.	85 - 115
Total Chromium	TOTAL-LCSW	196.	200.	µg/L	98.	85 - 115
Total Cobalt	TOTAL-LCSW	211.	200.	µg/L	106.	85 - 115

All results listed in this report are for the exclusive use of the submitting party. BC Labo[illegible]es, Inc. assumes no responsibility for report alteration, separation, detachment or t[illegible]rty interpretation.

[illegible] Court * Bakersfield, CA 93308 * (661) 327-4911 * Fax (661) 327-1918 * www.bclabs.com

BC Laboratories, Inc

B C LABORATORIES
QUALITY CONTROL REPORT - LEVEL III
(Laboratory Control Sample)

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
TERESA WILSON

Date of Report: 08/26/99
Sample Matrix: Groundwater

Samples Affected: 99-08204-1 - 99-08204-5

Constituents	QC Sample ID	Sample Result	Spike Level	Units	% Rec	Accuracy Control Limits
Total Copper	TOTAL-LCSW	188.	200.	µg/L	94.	85 - 115
Total Iron	TOTAL-LCSW	402.	400.	µg/L	101.	85 - 115
Total Lead	TOTAL-LCSW	20.8	20.	µg/L	104.	80 - 120
Total Manganese	TOTAL-LCSW	199.	200.	µg/L	100.	85 - 115
Total Mercury	LCSW2-07-1	1.	1.0	µg/L	100.	85 - 115
Total Mercury #4	LCSW2-07-1	1.03	1.0	µg/L	103.	85 - 115
Total Molybdenum	TOTAL-LCSW	206.	200.	µg/L	103.	85 - 115
Total Nickel	TOTAL-LCSW	409.	400.	µg/L	102.	85 - 115
Total Selenium	LCSW3-07-1	9.81	10.	µg/L	98.	85 - 115
Total Silver	TOTAL-LCSW	197.	200.	µg/L	98.	85 - 115
Total Titanium	TOTAL-LCSW	195.	200.	µg/L	97.	85 - 115
Total Thallium	TOTAL-LCSW	22.3	20.	µg/L	111.	80 - 120
Total Vanadium	TOTAL-LCSW	195.	200.	µg/L	97.	85 - 115
Total Zinc	TOTAL-LCSW	207.	200.	µg/L	104.	85 - 115

Quality Control Officer

Anthony Bonanno

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

BC Laboratories, Inc

B C LABORATORIES
QUALITY CONTROL REPORT
(Instrumental & Blank Parameters)
METHOD 8015M FUEL FINGERPRINT

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
TERESA WILSON

Date of Report: 08/26/99
Sample Matrix: Groundwater

Samples Affected: 99-08204-1 - 99-08204-5

Constituents	Method Blank Readings	Units
Stoddard / White Spirits	<200.	µg/L
JP 4	<1000.	µg/L
JP 5	<1000.	µg/L
JP 6	<1000.	µg/L
JP 8	<200.	µg/L
Kerosene / Jet Fuel	<200.	µg/L
Diesel	<200.	µg/L
Crude Oil	<1000.	µg/L
Hydraulic Oil	<1000.	µg/L
Waste Oil	<1000.	µg/L
Motor Oil	<1000.	µg/L
Surrogate % Recovery	80.	%

Quality Control Officer

Anthony Bonanno

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

BC Laboratories, Inc

B C LABORATORIES
QUALITY CONTROL REPORT
(Precision & Accuracy)
METHOD 8015M FUEL FINGERPRINT

Date of Report: 08/26/99
Sample Matrix: Groundwater

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
TERESA WILSON

Samples Affected: 99-08204-1 - 99-08204-5

Constituents	QC Sample ID	Sample Result	MS Result	MSD Result	MS Spike Level	MSD Spike Level	Units	Spike R.P.D.	Precision Control Limits	MS % Rec	MSD % Rec	Accuracy Control Limits
Diesel	DI 7/16	<200.	2290.	2267.	2500.	2500.	µg/L	1.	30	92.	91.	43 - 148
Surrogate % Recovery	MS/MSD									79.	79.	33 - 138

MS = Matrix Spike; MSD = Matrix Spike Duplicate; RPD = Relative Percent Difference

Quality Control Officer

Anthony Bonanno

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
Bakersfield, CA 93308 * (661) 327-4911 * Fax (661) 327-1918 * www.bclabs.com

BC Laboratories, Inc

B C LABORATORIES
QUALITY CONTROL REPORT
(Laboratory Control Sample)
METHOD 8015M FUEL FINGERPRINT

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
TERESA WILSON

Date of Report: 08/26/99
Sample Matrix: Groundwater

Samples Affected: 99-08204-1 - 99-08204-5

Constituents	QC Sample ID	Sample Result	Spike Level	Units	% Rec	Accuracy Control Limits
Diesel	LCS	2403.	2500.	µg/L	96.	43 - 148
Surrogate % Recovery	LCS				82.	33 - 138

Quality Control Officer

Anthony Bonanno

All results listed in this report are for the exclusive use of the submitting party. BC Labo... es, Inc. assumes no responsibility for report alteration, separation, detachment or t... rty interpretation.

BC Laboratories, Inc

B C LABORATORIES
QUALITY CONTROL REPORT
(Instrumental & Blank Parameters)
Method 8260

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
TERESA WILSON

Date of Report: 08/26/99
Sample Matrix: Groundwater

Samples Affected: 99-08204-1 - 99-08204-5, 99-08204-6TB

Constituents	Method Blank Readings	Units
Benzene	< 0.5	µg/L
Bromobenzene	< 0.5	µg/L
Bromochloromethane	< 0.5	µg/L
Bromodichloromethane	< 0.5	µg/L
Bromoform	< 0.5	µg/L
Bromomethane	< 0.5	µg/L
n-Butylbenzene	< 0.5	µg/L
sec-Butylbenzene	< 0.5	µg/L
tert-Butylbenzene	< 0.5	µg/L
Carbon tetrachloride	< 0.5	µg/L
Chlorobenzene	< 0.5	µg/L
Chloroethane	< 0.5	µg/L
2-Chloroethylvinyl ether	<20.	µg/L
Chloroform	< 0.5	µg/L
Chloromethane	< 0.5	µg/L
2-Chlorotoluene	< 0.5	µg/L
4-Chlorotoluene	< 0.5	µg/L
Dibromochloromethane	< 0.5	µg/L
1,2-Dibromo-3-Chloropropane	< 0.5	µg/L
1,2-Dibromoethane	< 0.5	µg/L
Dibromomethane	< 0.5	µg/L
1,2-Dichlorobenzene	< 0.5	µg/L
1,3-Dichlorobenzene	< 0.5	µg/L
1,4-Dichlorobenzene	< 0.5	µg/L
Dichlorodifluoromethane	< 0.5	µg/L
1,1-Dichloroethane	< 0.5	µg/L
1,2-Dichloroethane	< 0.5	µg/L
1,1-Dichloroethene	< 0.5	µg/L
cis-1,2-Dichloroethene	< 0.5	µg/L
trans-1,2-Dichloroethene	< 0.5	µg/L

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

BC Laboratories, Inc

B C LABORATORIES
QUALITY CONTROL REPORT
(Instrumental & Blank Parameters)
Method 8260

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
TERESA WILSON

Date of Report: 08/26/99
Sample Matrix: Groundwater

Samples Affected: 99-08204-1 - 99-08204-5, 99-08204-6TB

Constituents	Method Blank Readings	Units
1,2-Dichloropropane	< 0.5	µg/L
1,3-Dichloropropane	< 0.5	µg/L
2,2-Dichloropropane	< 0.5	µg/L
1,1-Dichloropropene	< 0.5	µg/L
cis-1,3-Dichloropropene	< 0.5	µg/L
trans-1,3-Dichloropropene	< 0.5	µg/L
Ethyl Benzene	< 0.5	µg/L
Hexachlorobutadiene	< 0.5	µg/L
Isopropylbenzene	< 0.5	µg/L
p-Isopropyltoluene	< 0.5	µg/L
Methylene Chloride	< 0.5	µg/L
Naphthalene	< 0.5	µg/L
n-Propylbenzene	< 0.5	µg/L
Styrene	< 0.5	µg/L
1,1,1,2-Tetrachloroethane	< 0.5	µg/L
1,1,2,2-Tetrachloroethane	< 0.5	µg/L
Tetrachloroethene	< 0.5	µg/L
Toluene	< 0.5	µg/L
1,2,3-Trichlorobenzene	< 0.5	µg/L
1,2,4-Trichlorobenzene	< 0.5	µg/L
1,1,1-Trichloroethane	< 0.5	µg/L
1,1,2-Trichloroethane	< 0.5	µg/L
Trichloroethene	< 0.5	µg/L
Trichlorofluoromethane	< 0.5	µg/L
1,2,3-Trichloropropane	< 0.5	µg/L
1,2,4-Trimethylbenzene	< 0.5	µg/L
1,3,5-Trimethylbenzene	< 0.5	µg/L
Vinyl Chloride	< 0.5	µg/L
Total Xylenes	< 1.	µg/L
1,2-Dichloroethane-d4	85.	%

A sults listed in this report are for the exclusive use of the submitting party. BC Labo s, Inc. assumes no responsibility for report alteration, separation, detachment or ti ty interpretation.
4100 Atlas Court * Bakersfield, CA 93308 * (661) 327-4911 * Fax (661) 327-1918 * www.bclabs.com

BOE-C6-0102115

BC Laboratories, Inc

BC LABORATORIES
QUALITY CONTROL REPORT
(Instrumental & Blank Parameters)
Method 8260

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
TERESA WILSON

Date of Report: 08/26/99
Sample Matrix: Groundwater

Samples Affected: 99-08204-1 - 99-08204-5, 99-08204-6TB

Constituents	Method Blank Readings	Units
Toluene-d8	95.	%
4-Bromofluorobenzene	101.	%

The surrogate recoveries for the method blank analyzed on 07/18/99 are as follows (results are none detected):
1,2-Dichloroethane-d4 - 88%
Toluene-d8 - 99%
4-Bromofluorobenzene - 102%

Quality Control Officer

Anthony Bonanno

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation

BC Laboratories, Inc

B C LABORATORIES
QUALITY CONTROL REPORT
(Precision & Accuracy)
Method 8260

Date of Report: 08/26/99
Sample Matrix: Groundwater

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
TERESA WILSON

Samples Affected: 99-08204-1 - 99-08204-5, 99-08204-6TB

Constituents	QC Sample ID	Sample Result	MS Result	MSD Result	MS Spike Level	MSD Spike Level	Units	Spike R.P.D.	Precision Control Limits	MS % Rec	MSD % Rec	Accuracy Control Limits
Benzene	8205-1	< 0.5	17.	16.	16.	16.	µg/L	3.	20	104.	101.	80 - 120
Bromodichloromethane	8205-1	< 0.5	16.	16.	16.	16.	µg/L	2.	20	99.	101.	80 - 120
Chlorobenzene	8205-1	< 0.5	16.	16.	16.	16.	µg/L	0.	20	102.	102.	80 - 120
Chloroethane	8205-1	< 0.5	19.	18.	16.	16.	µg/L	3.	20	119.	115.	80 - 120
1,4-Dichlorobenzene	8205-1	< 0.5	16.	17.	16.	16.	µg/L	3.	20	100.	103.	80 - 120
1,1-Dichloroethane	8205-1	< 0.5	16.	16.	16.	16.	µg/L	2.	20	100.	98.	80 - 120
1,1-Dichloroethene	8205-1	< 0.5	18.	17.	16.	16.	µg/L	6.	20	115.	108.	80 - 120
Toluene	8205-1	< 0.5	16.	16.	16.	16.	µg/L	2.	20	102.	100.	80 - 120
Trichloroethene	8205-1	23.0	42.	39.	16.	16.	µg/L	18.	20	116.	97.	80 - 120
1,2-Dichloroethane-d4	MS/MSD									85.	89.	76 - 114
Toluene-d8	MS/MSD									98.	97.	88 - 110
4-Bromofluorobenzene	MS/MSD									100.	103.	86 - 115

MS = Matrix Spike; MSD = Matrix Spike Duplicate; RPD = Relative Percent Difference

Quality Control Officer

Anthony Bonanno

All results listed in this report are for the exclusive use of the submitting party. BC Labo[illegible]es, Inc. assumes no responsibility for report alteration, separation, detachment or [illegible]rty interpretation.
[illegible] * Bakersfield, CA 93308 * (661) 327-4911 * Fax (661) 327-1918 * www.bclabs.com

BOE-C6-0102117

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\JULY99\JULY16\16JULY34.D Vial: 2
Acq On : 17 Jul 1999 5:48 am Operator: C CARDOZA
Sample : CCV 39 Inst : MS-V3
Misc : 25 ML 16 UG/L VO-11-4244 Multiplr: 1.00
MS Integration Params: 82604.M

Method : C:\HPCHEM\1\METHODS\82603.M (RTE Integrator)
Title : EPA 8260\524.2
Last Update : Thu Jun 24 07:36:03 1999
Response via : Multiple Level Calibration

LCS

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	pentafluorobenzene IS#1	1.000	1.000	0.0	91	0.00
2		dichlorodifluoromethane	0.874	0.781	10.6	79	0.00
3	P	chloromethane	0.523	0.450	14.0	74	-0.06
4	C	vinyl chloride	0.640	0.652	-1.9	90	0.00
5		bromomethane	0.355	0.367	-3.4	92	0.00
6	M	chloroethane	0.397	0.456	-14.9	100	0.00
7		trichlorofluoromethane	0.943	0.950	-0.7	92	0.00
8		1,1,2-trichloro-1,2,2-trifl	1.039	1.077	-3.7	101	0.00
9	MC	1,1-dichloroethene	0.547	0.589	-7.7	101	0.00
10		methylene chloride	0.556	0.556	0.0	98	0.00
11		MTBE	0.847	0.772	8.9	85	-0.02
12		trans-1,2-dichloroethene	0.644	0.635	1.4	93	0.00
13	MP	1,1-dichloroethane	1.330	1.292	2.9	90	0.00
14		2,2-dichloropropane	0.854	0.817	4.3	90	0.00
15		cis-1,2-dichloroethene	0.661	0.654	1.1	93	0.00
16	C	chloroform	1.181	1.140	3.5	91	0.00
17		bromochloromethane	0.188	0.178	5.3	87	0.00
18		1,1,1-trichloroethane	0.970	0.999	-3.0	96	0.00
19		1,1-dichloropropene	1.108	1.175	-6.0	99	0.00
20		carbon tetrachloride	0.744	0.821	-10.3	100	0.00
21	S	1,2-dichloroethane-d4 SMC#1	0.346	0.314	9.2	82	0.00
22		1,2-dichloroethane	0.410	0.375	8.5	83	0.00
23	M	benzene	2.428	2.452	-1.0	93	0.00
24	I	1,4-difluorobenzene IS#2	1.000	1.000	0.0	88	0.00
25	M	trichloroethene	0.445	0.478	-7.4	98	0.00
26	C	1,2-dichloropropane	0.467	0.471	-0.9	91	0.00
27	M	bromodichloromethane	0.541	0.533	1.5	90	-0.02
28		dibromomethane	0.177	0.174	1.7	87	0.00
29		2-CEVE	0.019	0.019#	0.0	91	0.00
30		cis-1,3-dichloropropene	0.539	0.529	1.9	89	-0.02
31	S	toluene-d8 SMC#2	1.224	1.194	2.5	86	-0.02
32	MC	toluene	0.851	0.841	1.2	91	-0.02
33		trans-1,3-dichloropene	0.351	0.334	4.8	84	-0.03
34		1,1,2-trichloroethane	0.207	0.197	4.8	86	-0.04
35		1,3-dichloropropane	0.400	0.387	3.3	86	-0.04
36		tetrachloroethene	0.411	0.456	-10.9	99	-0.03
37		dibromochloromethane	0.225	0.221	1.8	87	-0.02
38		1,2-dibromoethane	0.215	0.205	4.7	86	-0.03
39	I	chlorobenzene-d5 IS#3	1.000	1.000	0.0	88	-0.02

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\JULY99\JULY16\16JULY34.D Vial: 2
Acq On : 17 Jul 1999 5:48 am Operator: C CARDOZA
Sample : CCV 39 Inst : MS-V3
Misc : 25 ML 16 UG/L VO-11-4244 Multiplr: 1.00
MS Integration Params: 82604.M

Method : C:\HPCHEM\1\METHODS\82603.M (RTE Integrator)
Title : EPA 8260\524.2
Last Update : Thu Jun 24 07:36:03 1999
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	MP	chlorobenzene	3.133	3.182	-1.6	92	-0.03
41		1,1,1,2-tetrachloroethane	1.058	1.096	-3.6	93	-0.02
42	C	ethylbenzene	6.977	7.604	-9.0	98	-0.02
43		m&p-xylene	2.215	2.362	-6.6	96	-0.02
44		o-xylene	5.007	5.344	-6.7	96	-0.02
45		styrene	3.288	3.419	-4.0	94	-0.02
46	P	isopropylbenzene	6.249	6.894	-10.3	100	-0.02
47	P	bromoform	0.621	0.594	4.3	86	-0.03
48	P	1,1,2,2-tetrachloroethane	1.095	1.045	4.6	86	-0.02
49	S	4-bromofluorobenzene SMC#3	2.481	2.584	-4.2	92	-0.02
50	P	1,2,3-trichloropropane	0.203	0.187	7.9	84	-0.02
51		n-propylbenzene	8.268	9.466	-14.5	103	-0.02
52		bromobenzene	1.186	1.204	-1.5	93	-0.02
53		1,3,5-trimethylbenzene	4.546	4.909	-8.0	99	-0.02
54		2-chlorotoluene	5.371	5.740	-6.9	97	-0.02
55		4-chlorotoluene	4.945	5.329	-7.8	98	-0.02
56		tert-butylbenzene	4.166	4.665	-12.0	102	-0.02
57		1,2,4-trimethylbenzene	4.327	4.648	-7.4	99	-0.02
58		sec-butylbenzene	6.732	7.762	-15.3	104	-0.02
59		4-isopropyltoluene	4.508	5.067	-12.4	103	-0.02
60		1,3-dichlorobenzene	2.118	2.188	-3.3	95	-0.02
61	M	1,4-dichlorobenzene	2.039	2.055	-0.8	93	-0.02
62		n-butylbenzene	5.657	6.659	-17.7	110	-0.02
63		1,2-dichlorobenzene	1.675	1.674	0.1	93	-0.02
64		1,2-dibromo-3-chloropropane	0.152	0.141	7.2	86	-0.02
65		1,2,4-trichlorobenzene	1.303	1.433	-10.0	104	-0.02
66		hexachlorobutadiene	1.693	2.018	-19.2	119	-0.02
67		naphthalene	0.842	0.933	-10.8	104	-0.02
68		1,2,3-trichlorobenzene	0.940	1.064	-13.2	105	-0.02

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

BOE-C6-0102119

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\JULY99\JULY17\17JULY13.D Vial: 15
Acq On : 17 Jul 1999 5:08 pm Operator: S MAURER
Sample : CCV 40 Inst : MS-V3
Misc : 25 ML V0-11-4244 16.0 UG/L Multiplr: 1.00
MS Integration Params: 82604.M

Method : C:\HPCHEM\1\METHODS\82603.M (RTE Integrator)
Title : EPA 8260\524.2
Last Update : Thu Jun 24 07:36:03 1999
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	pentafluorobenzene IS#1	1.000	1.000	0.0	89	0.00
2		dichlorodifluoromethane	0.874	0.734	16.0	72	0.00
3	P	chloromethane	0.523	0.421	19.5	67	-0.06
4	C	vinyl chloride	0.640	0.617	3.6	84	0.00
5		bromomethane	0.355	0.418	-17.7	102	0.00
6	M	chloroethane	0.397	0.433	-9.1	93	0.00
7		trichlorofluoromethane	0.943	0.900	4.6	85	0.00
8		1,1,2-trichloro-1,2,2-trifl	1.039	1.013	2.5	93	0.00
9	MC	1,1-dichloroethene	0.547	0.562	-2.7	94	0.00
10		methylene chloride	0.556	0.515	7.4	89	0.00
11		MTBE	0.847	0.769	9.2	83	-0.01
12		trans-1,2-dichloroethene	0.644	0.604	6.2	86	0.00
13	MP	1,1-dichloroethane	1.330	1.267	4.7	86	0.00
14		2,2-dichloropropane	0.854	0.869	-1.8	94	0.00
15		cis-1,2-dichloroethene	0.661	0.626	5.3	87	0.00
16	C	chloroform	1.181	1.074	9.1	83	0.00
17		bromochloromethane	0.188	0.175	6.9	84	0.00
18		1,1,1-trichloroethane	0.970	0.957	1.3	90	0.00
19		1,1-dichloropropene	1.108	1.101	0.6	90	0.00
20		carbon tetrachloride	0.744	0.796	-7.0	95	0.00
21	S	1,2-dichloroethane-d4 SMC#1	0.346	0.310	10.4	79	0.00
22		1,2-dichloroethane	0.410	0.371	9.5	81	0.00
23	M	benzene	2.428	2.374	2.2	88	0.00
24	I	1,4-difluorobenzene IS#2	1.000	1.000	0.0	82	0.00
25	M	trichloroethene	0.445	0.481	-8.1	91	0.00
26	C	1,2-dichloropropane	0.467	0.485	-3.9	87	0.00
27	M	bromodichloromethane	0.541	0.546	-0.9	86	-0.02
28		dibromomethane	0.177	0.186	-5.1	86	-0.01
29		2-CEVE	0.019	0.019	0.0	87	0.00
30		cis-1,3-dichloropropene	0.539	0.552	-2.4	86	-0.03
31	S	toluene-d8 SMC#2	1.224	1.200	2.0	80	-0.03
32	MC	toluene	0.851	0.837	1.6	84	-0.04
33		trans-1,3-dichloropene	0.351	0.359	-2.3	84	-0.04
34		1,1,2-trichloroethane	0.207	0.209	-1.0	84	-0.04
35		1,3-dichloropropane	0.400	0.409	-2.2	84	-0.05
36		tetrachloroethene	0.411	0.469	-14.1	94	-0.04
37		dibromochloromethane	0.225	0.233	-3.6	85	-0.03
38		1,2-dibromoethane	0.215	0.220	-2.3	85	-0.04
39	I	chlorobenzene-d5 IS#3	1.000	1.000	0.0	84	-0.03
40	MP	chlorobenzene	3.133	3.097	1.1	85	-0.04
41		1,1,1,2-tetrachloroethane	1.058	1.096	-3.6	89	-0.03
42	C	ethylbenzene	6.977	7.432	-6.5	91	-0.03

44		o-xylene	5.007	5.229	-4.4	90	-0.02
45		styrene	3.288	3.368	-2.4	88	-0.03
46	P	isopropylbenzene	6.249	6.785	-8.6	94	-0.02
47	P	bromoform	0.621	0.619	0.3	85	-0.03
48	P	1,1,2,2-tetrachloroethane	1.095	1.086	0.8	86	-0.03
49	S	4-bromofluorobenzene SMC#3	2.481	2.521	-1.6	86	-0.03
50	P	1,2,3-trichloropropane	0.203	0.193	4.9	83	-0.03
51		n-propylbenzene	8.268	9.202	-11.3	95	-0.02
52		bromobenzene	1.186	1.196	-0.8	88	-0.02
53		1,3,5-trimethylbenzene	4.546	4.785	-5.3	92	-0.02
54		2-chlorotoluene	5.371	5.572	-3.7	90	-0.03
55		4-chlorotoluene	4.945	5.250	-6.2	92	-0.03
56		tert-butylbenzene	4.166	4.505	-8.1	94	-0.03
57		1,2,4-trimethylbenzene	4.327	4.522	-4.5	92	-0.02
58		sec-butylbenzene	6.732	7.488	-11.2	96	-0.02
59		4-isopropyltoluene	4.508	4.942	-9.6	96	-0.02
60		1,3-dichlorobenzene	2.118	2.122	-0.2	88	-0.02
61	M	1,4-dichlorobenzene	2.039	1.996	2.1	86	-0.02
62		n-butylbenzene	5.657	6.366	-12.5	101	-0.03
63		1,2-dichlorobenzene	1.675	1.623	3.1	86	-0.02
64		1,2-dibromo-3-chloropropane	0.152	0.149	2.0	86	-0.03
65		1,2,4-trichlorobenzene	1.303	1.374	-5.4	95	-0.03
66		hexachlorobutadiene	1.693	1.730	-2.2	98	-0.03
67		naphthalene	0.842	0.940	-11.6	100	-0.03
68		1,2,3-trichlorobenzene	0.940	1.036	-10.2	97	-0.03

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

24JUNE22.D 82603.M Sat Jul 17 18:32:16 1999

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\JULY99\JULY17\17JULY31.D Vial: 2
Acq On : 18 Jul 1999 4:17 am Operator: S MAURER
Sample : CCV 41 Inst : MS-V3
Misc : 25 ML 16.0 UG/L V0111-4244 Multiplr: 1.00
MS Integration Params: 82604.M

Method : C:\HPCHEM\1\METHODS\82603.M (RTE Integrator)
Title : EPA 8260\524.2
Last Update : Thu Jun 24 07:36:03 1999
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	pentafluorobenzene IS#1	1.000	1.000	0.0	90	0.01
2		dichlorodifluoromethane	0.874	0.801	8.4	79	0.00
3	P	chloromethane	0.523	0.498	4.8	80	-0.05
4	C	vinyl chloride	0.640	0.688	-7.5	94	0.00
5		bromomethane	0.355	0.440	-23.9#	108	0.01
6	M	chloroethane	0.397	0.475	-19.6	103	0.00
7		trichlorofluoromethane	0.943	1.004	-6.5	95	0.00
8		1,1,2-trichloro-1,2,2-trifl	1.039	1.126	-8.4	104	0.00
9	MC	1,1-dichloroethene	0.547	0.617	-12.8	104	0.01
10		methylene chloride	0.556	0.548	1.4	95	0.00
11		MTBE	0.847	0.748	11.7	81	0.00
12		trans-1,2-dichloroethene	0.644	0.673	-4.5	96	0.01
13	MP	1,1-dichloroethane	1.330	1.338	-0.6	92	0.00
14		2,2-dichloropropane	0.854	0.830	2.8	90	0.00
15		cis-1,2-dichloroethene	0.661	0.653	1.2	91	0.00
16	C	chloroform	1.181	1.162	1.6	91	0.00
17		bromochloromethane	0.188	0.174	7.4	84	0.01
18		1,1,1-trichloroethane	0.970	1.033	-6.5	98	0.00
19		1,1-dichloropropene	1.108	1.212	-9.4	100	0.01
20		carbon tetrachloride	0.744	0.850	-14.2	102	0.00
21	S	1,2-dichloroethane-d4 SMC#1	0.346	0.300	13.3	77	0.00
22		1,2-dichloroethane	0.410	0.370	9.8	81	0.00
23	M	benzene	2.428	2.519	-3.7	94	0.01
24	I	1,4-difluorobenzene IS#2	1.000	1.000	0.0	87	0.01
25	M	trichloroethene	0.445	0.496	-11.5	99	0.01
26	C	1,2-dichloropropane	0.467	0.479	-2.6	91	0.00
27	M	bromodichloromethane	0.541	0.537	0.7	89	-0.01
28		dibromomethane	0.177	0.171	3.4	84	0.00
29		2-CEVE	0.019	0.019#	0.0	91	0.00
30		cis-1,3-dichloropropene	0.539	0.526	2.4	86	0.00
31	S	toluene-d8 SMC#2	1.224	1.253	-2.4	88	-0.01
32	MC	toluene	0.851	0.922	-8.3	98	-0.03
33		trans-1,3-dichloropene	0.351	0.329	6.3	81	-0.03
34		1,1,2-trichloroethane	0.207	0.192	7.2	82	-0.04
35		1,3-dichloropropane	0.400	0.378	5.5	82	-0.03
36		tetrachloroethene	0.411	0.474	-15.3	100	-0.02
37		dibromochloromethane	0.225	0.216	4.0	84	-0.02
38		1,2-dibromoethane	0.215	0.200	7.0	82	-0.03
39	I	chlorobenzene-d5 IS#3	1.000	1.000	0.0	86	-0.03

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\JULY99\JULY17\17JULY31.D Vial: 2
Acq On : 18 Jul 1999 4:17 am Operator: S MAURER
Sample : CCV 41 Inst : MS-V3
Misc : 25 ML 16.0 UG/L V0111-4244 Multiplr: 1.00
MS Integration Params: 82604.M

Method : C:\HPCHEM\1\METHODS\82603.M (RTE Integrator)
Title : EPA 8260\524.2
Last Update : Thu Jun 24 07:36:03 1999
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	MP	chlorobenzene	3.133	3.285	-4.9	92	-0.03
41		1,1,1,2-tetrachloroethane	1.058	1.113	-5.2	91	-0.02
42	C	ethylbenzene	6.977	7.893	-13.1	99	-0.02
43		m&p-xylene	2.215	2.443	-10.3	96	-0.02
44		o-xylene	5.007	5.494	-9.7	96	-0.02
45		styrene	3.288	3.491	-6.2	93	-0.03
46	P	isopropylbenzene	6.249	7.223	-15.6	101	-0.02
47	P	bromoform	0.621	0.583	6.1	82	-0.03
48	P	1,1,2,2-tetrachloroethane	1.095	1.010	7.8	81	-0.03
49	S	4-bromofluorobenzene SMC#3	2.481	2.549	-2.7	88	-0.02
50	P	1,2,3-trichloropropane	0.203	0.184	9.4	80	-0.02
51		n-propylbenzene	8.268	9.824	-18.8	103	-0.02
52		bromobenzene	1.186	1.232	-3.9	92	-0.02
53		1,3,5-trimethylbenzene	4.546	5.102	-12.2	99	-0.02
54		2-chlorotoluene	5.371	6.098	-13.5	100	-0.02
55		4-chlorotoluene	4.945	5.333	-7.8	95	-0.02
56		tert-butylbenzene	4.166	4.871	-16.9	103	-0.03
57		1,2,4-trimethylbenzene	4.327	4.817	-11.3	99	-0.02
58		sec-butylbenzene	6.732	8.076	-20.0	105	-0.02
59		4-isopropyltoluene	4.508	5.316	-17.9	105	-0.02
60		1,3-dichlorobenzene	2.118	2.252	-6.3	95	-0.02
61	M	1,4-dichlorobenzene	2.039	2.111	-3.5	93	-0.02
62		n-butylbenzene	5.657	6.942	-22.7#	111	-0.02
63		1,2-dichlorobenzene	1.675	1.698	-1.4	91	-0.02
64		1,2-dibromo-3-chloropropane	0.152	0.140	7.9	83	-0.02
65		1,2,4-trichlorobenzene	1.303	1.436	-10.2	101	-0.03
66		hexachlorobutadiene	1.693	2.108	-24.5#	121	-0.03
67		naphthalene	0.842	0.891	-5.8	96	-0.02
68		1,2,3-trichlorobenzene	0.940	1.047	-11.4	100	-0.03

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

BOE-C6-0102123

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\JULY99\JULY18\18JULY05.D Vial: 2
Acq On : 18 Jul 1999 3:50 pm Operator: C CARDOZA
Sample : CCV 42 Inst : MS-V3
Misc : 25 ML 16 UG/L VO-11-4244 Multiplr: 1.00
MS Integration Params: 82604.M

Method : C:\HPCHEM\1\METHODS\82603.M (RTE Integrator)
Title : EPA 8260\524.2
Last Update : Thu Jun 24 07:36:03 1999
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	pentafluorobenzene IS#1	1.000	1.000	0.0	86	0.00
2		dichlorodifluoromethane	0.874	0.791	9.5	75	0.00
3	P	chloromethane	0.523	0.445	14.9	69	-0.06
4	C	vinyl chloride	0.640	0.665	-3.9	87	0.00
5		bromomethane	0.355	0.465	-31.0#	109	0.00
6	M	chloroethane	0.397	0.468	-17.9	97	0.00
7		trichlorofluoromethane	0.943	0.955	-1.3	87	0.00
8		1,1,2-trichloro-1,2,2-trifl	1.039	1.073	-3.3	95	0.00
9	MC	1,1-dichloroethene	0.547	0.598	-9.3	97	0.00
10		methylene chloride	0.556	0.606	-9.0	101	0.00
11		MTBE	0.847	0.864	-2.0	90	0.00
12		trans-1,2-dichloroethene	0.644	0.652	-1.2	90	0.00
13	MP	1,1-dichloroethane	1.330	1.332	-0.2	88	0.00
14		2,2-dichloropropane	0.854	0.960	-12.4	100	0.00
15		cis-1,2-dichloroethene	0.661	0.670	-1.4	90	0.00
16	C	chloroform	1.181	1.169	1.0	88	0.00
17		bromochloromethane	0.188	0.191	-1.6	88	0.00
18		1,1,1-trichloroethane	0.970	1.025	-5.7	93	0.00
19		1,1-dichloropropene	1.108	1.174	-6.0	93	0.00
20		carbon tetrachloride	0.744	0.844	-13.4	97	0.00
21	S	1,2-dichloroethane-d4 SMC#1	0.346	0.335	3.2	83	0.00
22		1,2-dichloroethane	0.410	0.408	0.5	86	0.00
23	M	benzene	2.428	2.541	-4.7	91	0.00
24	I	1,4-difluorobenzene IS#2	1.000	1.000	0.0	82	0.00
25	M	trichloroethene	0.445	0.493	-10.8	94	0.00
26	C	1,2-dichloropropane	0.467	0.504	-7.9	91	0.00
27	M	bromodichloromethane	0.541	0.572	-5.7	90	-0.02
28		dibromomethane	0.177	0.194	-9.6	91	-0.02
29		2-CEVE	0.019	0.020#	-5.3	91	0.00
30		cis-1,3-dichloropropene	0.539	0.586	-8.7	91	-0.02
31	S	toluene-d8 SMC#2	1.224	1.275	-4.2	85	-0.03
32	MC	toluene	0.851	0.911	-7.1	92	-0.03
33		trans-1,3-dichloropene	0.351	0.387	-10.3	91	-0.03
34		1,1,2-trichloroethane	0.207	0.223	-7.7	90	-0.03
35		1,3-dichloropropane	0.400	0.434	-8.5	90	-0.05
36		tetrachloroethene	0.411	0.482	-17.3	97	-0.04
37		dibromochloromethane	0.225	0.249	-10.7	92	-0.03
38		1,2-dibromoethane	0.215	0.234	-8.8	91	-0.03
39	I	chlorobenzene-d5 IS#3	1.000	1.000	0.0	86	-0.03

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\JULY99\JULY18\18JULY05.D Vial: 2
Acq On : 18 Jul 1999 3:50 pm Operator: C CARDOZA
Sample : CCV 42 Inst : MS-V3
Misc : 25 ML 16 UG/L VO-11-4244 Multiplr: 1.00
MS Integration Params: 82604.M

Method : C:\HPCHEM\1\METHODS\82603.M (RTE Integrator)
Title : EPA 8260\524.2
Last Update : Thu Jun 24 07:36:03 1999
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	MP	chlorobenzene	3.133	3.203	-2.2	90	-0.03
41		1,1,1,2-tetrachloroethane	1.058	1.120	-5.9	92	-0.02
42	C	ethylbenzene	6.977	7.605	-9.0	95	-0.02
43		m&p-xylene	2.215	2.363	-6.7	93	-0.02
44		o-xylene	5.007	5.383	-7.5	94	-0.02
45		styrene	3.288	3.475	-5.7	93	-0.02
46	P	isopropylbenzene	6.249	6.929	-10.9	97	-0.02
47	P	bromoform	0.621	0.653	-5.2	92	-0.02
48	P	1,1,2,2-tetrachloroethane	1.095	1.145	-4.6	92	-0.02
49	S	4-bromofluorobenzene SMC#3	2.481	2.506	-1.0	87	-0.02
50	P	1,2,3-trichloropropane	0.203	0.204	-0.5	89	-0.02
51		n-propylbenzene	8.268	9.470	-14.5	100	-0.02
52		bromobenzene	1.186	1.230	-3.7	92	-0.02
53		1,3,5-trimethylbenzene	4.546	4.948	-8.8	97	-0.02
54		2-chlorotoluene	5.371	5.788	-7.8	96	-0.02
55		4-chlorotoluene	4.945	5.386	-8.9	96	-0.02
56		tert-butylbenzene	4.166	4.660	-11.9	99	-0.02
57		1,2,4-trimethylbenzene	4.327	4.727	-9.2	98	-0.02
58		sec-butylbenzene	6.732	7.791	-15.7	102	-0.02
59		4-isopropyltoluene	4.508	5.044	-11.9	100	-0.02
60		1,3-dichlorobenzene	2.118	2.193	-3.5	93	-0.02
61	M	1,4-dichlorobenzene	2.039	2.074	-1.7	91	-0.02
62		n-butylbenzene	5.657	6.656	-17.7	107	-0.02
63		1,2-dichlorobenzene	1.675	1.687	-0.7	91	-0.02
64		1,2-dibromo-3-chloropropane	0.152	0.159	-4.6	94	-0.02
65		1,2,4-trichlorobenzene	1.303	1.450	-11.3	102	-0.02
66		hexachlorobutadiene	1.693	1.970	-16.4	113	-0.02
67		naphthalene	0.842	1.009	-19.8	109	-0.02
68		1,2,3-trichlorobenzene	0.940	1.106	-17.7	106	-0.02

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

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\JULY99\JULY18\18JULY19.D Vial: 3
Acq On : 19 Jul 1999 12:59 am Operator: C CARDOZA
Sample : CCV 43 Inst : MS-V3
Misc : 25 ML 16 UG/L VO-11-4244 Multiplr: 1.00
MS Integration Params: 82604.M

Method : C:\HPCHEM\1\METHODS\82603.M (RTE Integrator)
Title : EPA 8260\524.2
Last Update : Thu Jun 24 07:36:03 1999
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	pentafluorobenzene IS#1	1.000	1.000	0.0	86	0.00
2		dichlorodifluoromethane	0.874	0.789	9.7	75	0.00
3	P	chloromethane	0.523	0.477	8.8	74	-0.07
4	C	vinyl chloride	0.640	0.684	-6.9	90	0.00
5		bromomethane	0.355	0.500	-40.8#	118	0.00
6	M	chloroethane	0.397	0.469	-18.1	98	0.00
7		trichlorofluoromethane	0.943	1.005	-6.6	92	0.00
8		1,1,2-trichloro-1,2,2-trifl	1.039	1.120	-7.8	99	0.00
9	MC	1,1-dichloroethene	0.547	0.620	-13.3	101	0.00
10		methylene chloride	0.556	0.562	-1.1	94	0.00
11		MTBE	0.847	0.772	8.9	80	0.00
12		trans-1,2-dichloroethene	0.644	0.636	1.2	88	0.00
13	MP	1,1-dichloroethane	1.330	1.318	0.9	87	0.00
14		2,2-dichloropropane	0.854	0.979	-14.6	102	0.00
15		cis-1,2-dichloroethene	0.661	0.648	2.0	87	0.00
16	C	chloroform	1.181	1.132	4.1	85	0.00
17		bromochloromethane	0.188	0.174	7.4	81	0.00
18		1,1,1-trichloroethane	0.970	1.013	-4.4	93	0.00
19		1,1-dichloropropene	1.108	1.193	-7.7	95	0.00
20		carbon tetrachloride	0.744	0.847	-13.8	98	0.00
21	S	1,2-dichloroethane-d4 SMC#1	0.346	0.300	13.3	74	0.00
22		1,2-dichloroethane	0.410	0.372	9.3	78	-0.02
23	M	benzene	2.428	2.504	-3.1	90	0.00
24	I	1,4-difluorobenzene IS#2	1.000	1.000	0.0	84	0.00
25	M	trichloroethene	0.445	0.491	-10.3	95	0.00
26	C	1,2-dichloropropane	0.467	0.469	-0.4	86	-0.02
27	M	bromodichloromethane	0.541	0.534	1.3	86	-0.03
28		dibromomethane	0.177	0.175	1.1	83	-0.03
29		2-CEVE	0.019	0.019	0.0	86	-0.02
30		cis-1,3-dichloropropene	0.539	0.544	-0.9	86	-0.03
31	S	toluene-d8 SMC#2	1.224	1.206	1.5	82	-0.04
32	MC	toluene	0.851	0.858	-0.8	88	-0.04
33		trans-1,3-dichloropene	0.351	0.344	2.0	82	-0.05
34		1,1,2-trichloroethane	0.207	0.195	5.8	80	-0.05
35		1,3-dichloropropane	0.400	0.383	4.3	81	-0.04
36		tetrachloroethene	0.411	0.472	-14.8	97	-0.04
37		dibromochloromethane	0.225	0.221	1.8	82	-0.04
38		1,2-dibromoethane	0.215	0.206	4.2	82	-0.04
39	I	chlorobenzene-d5 IS#3	1.000	1.000	0.0	82	-0.03
40	MP	chlorobenzene	3.133	3.288	-4.9	89	-0.03
41		1,1,1,2-tetrachloroethane	1.058	1.111	-5.0	88	-0.03
42	C	ethylbenzene	6.977	7.864	-12.7	94	0.03

44		o-xylene	5.007	5.558	-11.0	93	-0.03
45		styrene	3.288	3.511	-6.8	90	-0.03
46	P	isopropylbenzene	6.249	7.219	-15.5	97	-0.03
47	P	bromoform	0.621	0.602	3.1	81	-0.03
48	P	1,1,2,2-tetrachloroethane	1.095	1.037	5.3	80	-0.03
49	S	4-bromofluorobenzene SMC#3	2.481	2.550	-2.8	85	-0.02
50	P	1,2,3-trichloropropane	0.203	0.188	7.4	79	-0.03
51		n-propylbenzene	8.268	9.895	-19.7	100	-0.03
52		bromobenzene	1.186	1.238	-4.4	89	-0.03
53		1,3,5-trimethylbenzene	4.546	5.250	-15.5	98	-0.02
54		2-chlorotoluene	5.371	5.979	-11.3	95	-0.03
55		4-chlorotoluene	4.945	5.483	-10.9	94	-0.03
56		tert-butylbenzene	4.166	4.911	-17.9	100	-0.03
57		1,2,4-trimethylbenzene	4.327	4.948	-14.4	98	-0.02
58		sec-butylbenzene	6.732	8.180	-21.5#	102	-0.03
59		4-isopropyltoluene	4.508	5.418	-20.2#	103	-0.03
60		1,3-dichlorobenzene	2.118	2.267	-7.0	92	-0.02
61	M	1,4-dichlorobenzene	2.039	2.131	-4.5	90	-0.02
62		n-butylbenzene	5.657	7.145	-26.3#	110	-0.03
63		1,2-dichlorobenzene	1.675	1.710	-2.1	88	-0.02
64		1,2-dibromo-3-chloropropane	0.152	0.143	5.9	81	-0.02
65		1,2,4-trichlorobenzene	1.303	1.484	-13.9	101	-0.03
66		hexachlorobutadiene	1.693	2.103	-24.2#	116	-0.03
67		naphthalene	0.842	0.989	-17.5	103	-0.03
68		1,2,3-trichlorobenzene	0.940	1.108	-17.9	102	-0.03

(#) = Out of Range
24JUNE22.D 82603.M

SPCC's out = 0 CCC's out = 0
Mon Jul 19 07:11:04 1999

Response Factor Report MS-V3

Method : C:\HPCHEM\1\METHODS\82603.M (RTE Integrator)
Title : EPA 8260\524.2
Last Update : Thu Jun 24 07:36:03 1999
Response via : Initial Calibration

Calibration Files
2 =24JUNE20.D 3 =24JUNE21.D 4 =24JUNE22.D
5 =24JUNE23.D 6 =24JUNE24.D =

		Compound	2	3	4	5	6	Avg	%RSD
1)	I	pentafluorobenzene IS	----------	----------	----------	ISTD	----------		
2)		dichlorodifluoromet	0.885	0.902	0.903	0.891	0.788	0.874	5.57
3)	P	chloromethane	0.526	0.544	0.557	0.540	0.446	0.523	8.45
4)	C	vinyl chloride	0.663	0.684	0.657	0.637	0.559	0.640	7.54
5)		bromomethane	0.354	0.367	0.365	0.357	0.331	0.355	4.09
6)	M	chloroethane	0.402	0.416	0.414	0.400	0.352	0.397	6.54
7)		trichlorofluorometh	0.955	0.989	0.941	0.942	0.888	0.943	3.87
8)		1,1,2-trichloro-1,2	1.031	1.088	0.973	0.987	1.117	1.039	6.03
9)	MC	1,1-dichloroethene	0.545	0.571	0.530	0.539	0.550	0.547	2.78
10)		methylene chloride	0.630	0.562	0.517	0.530	0.538	0.556	8.10
11)		MTBE	0.953	0.870	0.826	0.800	0.785	0.847	7.97
12)		trans-1,2-dichloroe	0.633	0.665	0.625	0.637	0.658	0.644	2.70
13)	MP	1,1-dichloroethane	1.323	1.328	1.306	1.337	1.354	1.330	1.33
14)		2,2-dichloropropane	0.879	0.896	0.824	0.811	0.858	0.854	4.20
15)		cis-1,2-dichloroeth	0.661	0.680	0.640	0.655	0.669	0.661	2.27
16)	C	chloroform	1.165	1.187	1.145	1.171	1.236	1.181	2.89
17)		bromochloromethane	0.190	0.192	0.186	0.185	0.188	0.188	1.51
18)		1,1,1-trichloroetha	0.967	1.002	0.943	0.961	0.977	0.970	2.26
19)		1,1-dichloropropene	1.105	1.146	1.084	1.107	1.099	1.108	2.07
20)		carbon tetrachlorid	0.710	0.767	0.747	0.730	0.768	0.744	3.35
21)	S	1,2-dichloroethane-	0.368	0.352	0.348	0.334	0.328	0.346	4.55
22)		1,2-dichloroethane	0.419	0.418	0.409	0.406	0.399	0.410	2.02
23)	M	benzene	2.484	2.459	2.399	2.444	2.352	2.428	2.16
24)	I	1,4-difluorobenzene I	----------	----------	----------	ISTD	----------		
25)	M	trichloroethene	0.434	0.458	0.433	0.437	0.465	0.445	3.34
26)	C	1,2-dichloropropane	0.465	0.474	0.457	0.460	0.478	0.467	1.91
27)	M	bromodichloromethan	0.538	0.546	0.522	0.539	0.563	0.541	2.71
28)		dibromomethane	0.177	0.179	0.176	0.177	0.177	0.177	0.69
29)		2-CEVE	0.019	0.019	0.018	0.018	0.019	0.019	1.91
30)		cis-1,3-dichloropro	0.533	0.551	0.527	0.535	0.547	0.539	1.85
31)	S	toluene-d8 SMC#2	1.208	1.221	1.235	1.229	1.226	1.224	0.83
32)	MC	toluene	0.831	0.868	0.814	0.851	0.892	0.851	3.57
33)		trans-1,3-dichlorop	0.348	0.358	0.351	0.351	0.345	0.351	1.41
34)		1,1,2-trichloroetha	0.214	0.208	0.204	0.205	0.205	0.207	1.96
35)		1,3-dichloropropane	0.413	0.408	0.397	0.388	0.394	0.400	2.54
36)		tetrachloroethene	0.401	0.422	0.409	0.402	0.422	0.411	2.57
37)		dibromochloromethan	0.222	0.227	0.224	0.225	0.226	0.225	0.93
38)		1,2-dibromoethane	0.219	0.219	0.212	0.213	0.213	0.215	1.74
39)	I	chlorobenzene-d5 IS#3	----------	----------	----------	ISTD	----------		
40)	MP	chlorobenzene	3.092	3.127	3.056	3.122	3.271	3.133	2.61
41)		1,1,1,2-tetrachloro	1.032	1.074	1.044	1.063	1.076	1.058	1.81
42)	C	ethylbenzene	6.770	6.993	6.861	6.940	7.322	6.977	3.02
43)		m&p-xylene	2.169	2.163	2.174	2.199	2.370	2.215	3.95
44)		o-xylene	4.847	4.968	4.919	4.970	5.332	5.007	3.76
45)		styrene	3.142	3.228	3.218	3.300	3.552	3.288	4.79
46)	P	isopropylbenzene	6.047	6.306	6.106	6.172	6.613	6.249	3.61

48)	P	1,1,2,2-tetrachloro	1.158	1.118	1.069	1.067	1.064	1.095	3.79
49)	S	4-bromofluorobenzen	2.470	2.449	2.468	2.481	2.535	2.481	1.30
50)	P	1,2,3-trichloroprop	0.206	0.202	0.197	0.201	0.208	0.203	2.13
51)		n-propylbenzene	7.653	8.290	8.131	8.208	9.060	8.268	6.13
52)		bromobenzene	1.183	1.208	1.143	1.160	1.235	1.186	3.09
53)		1,3,5-trimethylbenz	4.285	4.451	4.392	4.452	5.150	4.546	7.58
54)		2-chlorotoluene	5.191	5.369	5.197	5.315	5.786	5.371	4.54
55)		4-chlorotoluene	4.940	4.699	4.813	4.908	5.365	4.945	5.12
56)		tert-butylbenzene	3.998	4.092	4.050	4.121	4.566	4.166	5.49
57)		1,2,4-trimethylbenz	4.011	4.212	4.161	4.250	5.000	4.327	8.95
58)		sec-butylbenzene	6.328	6.660	6.577	6.665	7.427	6.732	6.13
59)		4-isopropyltoluene	4.218	4.451	4.326	4.429	5.115	4.508	7.81
60)		1,3-dichlorobenzene	2.042	2.085	2.035	2.099	2.330	2.118	5.72
61)	M	1,4-dichlorobenzene	1.951	2.047	1.953	1.990	2.252	2.039	6.15
62)		n-butylbenzene	5.197	5.580	5.334	5.541	6.634	5.657	10.04
63)		1,2-dichlorobenzene	1.606	1.671	1.592	1.655	1.853	1.675	6.25
64)		1,2-dibromo-3-chlor	0.160	0.150	0.145	0.150	0.156	0.152	3.99
65)		1,2,4-trichlorobenz	1.192	1.284	1.215	1.283	1.541	1.303	10.67
66)		hexachlorobutadiene	1.617	1.759	1.492	1.717	1.880	1.693	8.66
67)		naphthalene	0.839	0.783	0.792	0.817	0.980	0.842	9.51
68)		1,2,3-trichlorobenz	0.896	0.919	0.896	0.917	1.074	0.940	8.00

(#) = Out of Range

82603.M Fri Jun 25 11:32:45 1999

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\JUNE99\JUNE24\24JUNE28.D Vial: 10
Acq On : 25 Jun 1999 4:15 am Operator: s maurer
Sample : ICVB 16 UG/L Inst : MS-V3
Misc : 25 ML VO-11-4076 Multiplr: 1.00
MS Integration Params: 82604.M

Method : C:\HPCHEM\1\METHODS\82603.M (RTE Integrator)
Title : EPA 8260\524.2
Last Update : Thu Jun 24 07:36:03 1999
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	pentafluorobenzene IS#1	1.000	1.000	0.0	99	0.03
2		dichlorodifluoromethane	0.874	0.705	19.3	78	0.00
3	P	chloromethane	0.523	0.489	6.5	87	-0.06
4	C	vinyl chloride	0.640	0.584	8.8	88	0.00
5		bromomethane	0.355	0.414	-16.6	113	0.01
6	M	chloroethane	0.397	0.403	-1.5	97	0.00
7		trichlorofluoromethane	0.943	0.889	5.7	94	0.00
8		1,1,2-trichloro-1,2,2-trifl	1.039	1.040	-0.1	106	0.00
9	MC	1,1-dichloroethene	0.547	0.514	6.0	96	0.00
10		methylene chloride	0.556	0.545	2.0	105	0.01
11		MTBE	0.847	0.777	8.3	93	0.00
12		trans-1,2-dichloroethene	0.644	0.630	2.2	100	0.01
13	MP	1,1-dichloroethane	1.330	1.290	3.0	98	-0.01
14		2,2-dichloropropane	0.854	0.844	1.2	102	0.02
15		cis-1,2-dichloroethene	0.661	0.626	5.3	97	0.02
16	C	chloroform	1.181	1.153	2.4	100	0.02
17		bromochloromethane	0.188	0.179	4.8	96	0.03
18		1,1,1-trichloroethane	0.970	0.960	1.0	101	0.04
19		1,1-dichloropropene	1.108	1.144	-3.2	105	0.04
20		carbon tetrachloride	0.744	0.753	-1.2	100	0.04
21	S	1,2-dichloroethane-d4 SMC#1	0.346	0.325	6.1	93	0.03
22		1,2-dichloroethane	0.410	0.391	4.6	95	0.03
23	M	benzene	2.428	2.444	-0.7	101	0.04
24	I	1,4-difluorobenzene IS#2	1.000	1.000	0.0	98	0.04
25	M	trichloroethene	0.445	0.456	-2.5	103	0.04
26	C	1,2-dichloropropane	0.467	0.480	-2.8	103	0.04
27	M	bromodichloromethane	0.541	0.490	9.4	92	0.03
28		dibromomethane	0.177	0.167	5.6	93	0.03
29		2-CEVE	0.019	0.019	0.0	103	0.04
30		cis-1,3-dichloropropene	0.539	0.520	3.5	97	0.03
31	S	toluene-d8 SMC#2	1.224	1.188	2.9	94	0.03
32	MC	toluene	0.851	0.806	5.3	97	0.03
33		trans-1,3-dichloropene	0.351	0.327	6.8	91	0.03
34		1,1,2-trichloroethane	0.207	0.191	7.7	92	0.04
35		1,3-dichloropropane	0.400	0.379	5.3	94	0.01
36		tetrachloroethene	0.411	0.415	-1.0	100	0.01
37		dibromochloromethane	0.225	0.202	10.2	89	0.02
38		1,2-dibromoethane	0.215	0.201	6.5	93	0.00
39	I	chlorobenzene-d5 IS#3	1.000	1.000	0.0	96	0.00
40	MP	chlorobenzene	3.133	3.111	0.7	98	0.00
41		1,1,1,2-tetrachloroethane	1.058	1.061	-0.3	98	0.01
42	C	ethylbenzene	6.977	7.004	-0.4	98	0.01

44		o-xylene	5.007	5.053	-0.9	99	0.00
45		styrene	3.288	3.286	0.1	98	0.00
46	P	isopropylbenzene	6.249	6.505	-4.1	102	0.00
47	P	bromoform	0.621	0.570	8.2	'90	0.00
48	P	1,1,2,2-tetrachloroethane	1.095	1.019	6.9	91	0.00
49	S	4-bromofluorobenzene SMC#3	2.481	2.482	-0.0	97	0.00
50	P	1,2,3-trichloropropane	0.203	0.188	7.4	92	0.00
51		n-propylbenzene	8.268	8.426	-1.9	99	0.00
52		bromobenzene	1.186	1.160	2.2	97	0.00
53		1,3,5-trimethylbenzene	4.546	4.458	1.9	97	0.00
54		2-chlorotoluene	5.371	5.447	-1.4	101	0.00
55		4-chlorotoluene	4.945	4.790	3.1	96	0.00
56		tert-butylbenzene	4.166	4.200	-0.8	100	0.00
57		1,2,4-trimethylbenzene	4.327	4.211	2.7	97	0.00
58		sec-butylbenzene	6.732	7.126	-5.9	104	0.00
59		4-isopropyltoluene	4.508	4.418	2.0	98	0.00
60		1,3-dichlorobenzene	2.118	2.064	2.5	97	0.00
61	M	1,4-dichlorobenzene	2.039	1.980	2.9	97	0.00
62		n-butylbenzene	5.657	5.703	-0.8	103	0.00
63		1,2-dichlorobenzene	1.675	1.584	5.4	96	0.00
64		1,2-dibromo-3-chloropropane	0.152	0.139	8.6	92	0.00
65		1,2,4-trichlorobenzene	1.303	1.275	2.1	101	0.00
66		hexachlorobutadiene	1.693	1.824	-7.7	117	0.00
67		naphthalene	0.842	0.811	3.7	98	0.00
68		1,2,3-trichlorobenzene	0.940	0.931	1.0	100	0.00

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

24JUNE22.D 82603.M Fri Jun 25 07:18:18 1999

BC Laboratories, Inc

B C LABORATORIES
QUALITY CONTROL REPORT
(Laboratory Control Sample)
Method 8260

ARCADIS GERAGHTY & MILLER, INC.
1400 N. HARBOR BLVD., SUITE 700
FULLERTON, CA 92835-4127
TERESA WILSON

Date of Report: 08/26/99
Sample Matrix: Groundwater

Samples Affected: 99-08204-1 - 99-08204-5, 99-08204-6TB

Constituents	QC Sample ID	Sample Result	Spike Level	Units	% Rec	Accuracy Control Limits
Benzene	CCV 39	16.16	16.00	µg/L	101.	80 - 120
Bromodichloromethane	CCV 39	15.76	16.00	µg/L	99.	80 - 120
Chlorobenzene	CCV 39	16.25	16.00	µg/L	102.	80 - 120
Chloroethane	CCV 39	18.38	16.00	µg/L	115.	80 - 120
1,4-Dichlorobenzene	CCV 39	16.13	16.00	µg/L	101.	80 - 120
1,1-Dichloroethane	CCV 39	15.54	16.00	µg/L	97.	80 - 120
1,1-Dichloroethene	CCV 39	17.23	16.00	µg/L	108.	80 - 120
Toluene	CCV 39	15.81	16.00	µg/L	99.	80 - 120
Trichloroethene	CCV 39	17.19	16.00	µg/L	107.	80 - 120
1,2-Dichloroethane-d4	CCV 39				91.	76 - 114
Toluene-d8	CCV 39				98.	88 - 110
4-Bromofluorobenzene	CCV 39				104.	86 - 115

Quality Control Officer

Anthony Bonanno

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment