APPENDIX H

LABORATORY REPORTS, CHAIN-OF-CUSTODY FORMS
AND DATA VALIDATION CHECKLIST
JULY 1999

TRC

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 #200
City: FULLERTON
State: CA Zip: 92835
Attn: TERESA WILSON
Phone: 714-278-0992

Project: ILM
Project #: CA000250.0007.00001
Sampler Name: FIOL/TEEPLE
Submission #: 99-8130

Lab #	Sample Description	Date & Time Sampled	8260 VOCS	6010 CAM 17 *	8015M - TPH #	7196 - Cr +6	ALKALINITY (TOTAL) *	AMMONIA NITROGEN	445.1 - DOC *	OPTHO-PHOSPHATE *	NITRITE/NITRATE *	201.7 - 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	BL-#1	7-13-99/1445	X															GW		3 VOAS
					X													GW		1 AMBER
				X		X						X						GW		2 PLASTIC
							X	X		X	X		X	X				GW		2 PLASTIC
									X									GW		1 4oz AMBER
-2	BL-5	7-13-99/1540	X															GW		3 VOAS
					X													GW		1 AMBER
				X		X						X						GW		2 PLASTIC
							X	X		X	X		X	X				GW		2 PLASTIC
									X									GW		1 4oz AMBER
-3	BL-8	7-13-99 1620	X															GW		3 VOAS
					X													GW		1 AMBER
				X		X						X						GW		2 PLASTIC
							X	X		X	X		X	X				GW		2 PLASTIC
									X									GW		1 4oz AMBER

NUMBERING CHECKED BY

DISTRIBUTION: MA BK RC LSB

Billing Information:
Name:
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 J. Doyle	Jerry Mitchell	7-13-99	16:54
Jerry Mitchell	Chrissy Le	7.13.99	1940

Revised 5/97....Sample Disposal by BC Labs may be billed at $5.00 / sample for non-aqueous Samples:

BOE-C6-0101978

BC LABORATORIES INC.

SAMPLE RECEIPT FORM

Rev. No.6 10/13/98 Page ___ Of ___

Submission #: 99-8130

Project Code:

SHIPPING INFORMATION

Federal Express ☐ UPS ☐ Hand Delivery ☐

BC Lab Field Service ☒ Other ☐ (Specify) _____

SHIPPING CONTAINER

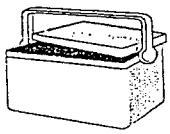
Ice Chest ☒ None ☐

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 Gtm Date/Time 2000 7/13/99
Temperature: 3.2 °C
Thermometer ID: #48 Analyst Init OFORD
Emissivity .90
Container T Blank

Ice Chest ID Red Gtm Date/Time 2000 7/13/99
Temperature: 1.8 °C
Thermometer ID: #48 Analyst Init OFORD
Emissivity .90
Container T Blank

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
QT GENERAL MINERAL/ GENERAL PHYSICAL	1	1	1													1	1							
PT PE UNPRESERVED																								
QT INORGANIC CHEMICAL METALS	1	2	1													2	2							
PT INORGANIC CHEMICAL METALS																								
PT CYANIDE																								
PT NITROGEN FORMS	1	1	1													1	1							
PT TOTAL SULFIDE																								
2oz. NITRATE / NITRITE																								
100ml TOTAL ORGANIC CARBON	1	1	1													1	1							
QT TOX																								
PT CHEMICAL OXYGEN DEMAND																								
100ml PHENOLICS																								
40ml VOA VIAL TRAVEL BLANK																								
40ml VOA VIAL	3	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																								
QT EPA 8015M	1	1	1													1	1							
QT QA/QC																								
QT AMBER																								
8 OZ. JAR																								
32 OZ. JAR																								
SOIL SLEEVE																								
PCB VIAL																								
PLASTIC BAG																								

Comments: Note; 3 QT PE metals bottles received untabeled. 2TB's rec'd untabeled

Sample Numbering Completed By: (FORD) Date/Time: 7/30 7/13/99 2224

[F:\WP80\LAB_DOCS\FORMS\SAMREC2.WPI]

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: 07/13/99
Laboratory No.: 99-08130-2

Project Number: CA000280-0007-00001
Sampling Location: ILM
Sample ID: BL-5
Sampling Date/Time: 07/13/99 @ 03:40PM
Sample Collected By: FIOL/TEEPLE

Constituents	Results	Units	P.Q.L.	Method	Date Prepared	Date Analyzed	Dilution Factor
Sulfate	7.7	mg/L	2.0	EPA-300.0	07/18/99	07/18/99	2
Chloride	485.	mg/L	1.0	EPA-300.0	07/18/99	07/18/99	2
Nitrate/Nitrite as N	3.7	mg/L	0.1	EPA-353.2	07/20/99	07/20/99	1
Total Alkalinity as CaCO3	445.	mg/L	5.0	EPA-310.1	07/15/99	07/15/99	1
Ammonia as N	0.02	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	07/14/99	07/14/99	1
Dissolved Non-Volatile Organic Carbon	8.5	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

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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: 07/13/99
Laboratory No.: 99-08130-4

Project Number: CA000280-0007-00001
Sampling Location: ILM
Sample ID: P-2
Sampling Date/Time: 07/13/99 @ 10:05AM
Sample Collected By: FIOL/TEEPLE

Constituents	Results	Units	P.Q.L.	Method	Date Prepared	Date Analyzed	Dilution Factor
Sulfate	427.	mg/L	5.0	EPA-300.0	07/18/99	07/18/99	5
Chloride	896.	mg/L	2.5	EPA-300.0	07/18/99	07/18/99	5
Nitrate/Nitrite as N	5.5	mg/L	0.5	EPA-353.2	07/20/99	07/20/99	5
Total Alkalinity as CaCO3	511.	mg/L	5.0	EPA-310.1	07/15/99	07/15/99	1
Ammonia as N	0.46	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	07/14/99	07/14/99	1
Dissolved Non-Volatile Organic Carbon	6.7	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

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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: 07/13/99
Laboratory No.: 99-08130-1

Project Number: CA000280-0007-00001
Sampling Location: ILM
Sample ID: BL-1
Sampling Date/Time: 07/13/99 @ 02:45PM
Sample Collected By: FIOL/TEEPLE

Constituents		Results	Units	P.Q.L.	Method	Date Prepared	Date Analyzed	Dilution Factor
Dissolved Aluminum		None Detected	µg/L	50.	EPA-6010	07/13/99	07/19/99	1
Dissolved Antimony		None Detected	µg/L	100.	EPA-6010	07/13/99	07/19/99	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	07/13/99	07/19/99	1
Dissolved Beryllium		None Detected	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Dissolved Cadmium		None Detected	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Dissolved Chromium		None Detected	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Hexavalent Chromium		None Detected	µg/L	2.	EPA-7196	07/14/99	07/14/99	1
Dissolved Cobalt		None Detected	µg/L	50.	EPA-6010	07/13/99	07/19/99	1
Dissolved Copper		None Detected	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Dissolved Lead		None Detected	µg/L	5.	EPA-7421	07/13/99	07/19/99	1
Dissolved Manganese		16.	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Dissolved Mercury		None Detected	µg/L	0.2	EPA-7470	07/19/99	07/19/99	1
Dissolved Molybdenum		None Detected	µg/L	50.	EPA-6010	07/13/99	07/19/99	1
Dissolved Nickel		None Detected	µg/L	50.	EPA-6010	07/13/99	07/19/99	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	07/13/99	07/19/99	1
Dissolved Titanium		None Detected	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Dissolved Thallium		None Detected	µg/L	1.	EPA-7841	07/13/99	07/19/99	1
Dissolved Vanadium		None Detected	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Dissolved Zinc		None Detected	µg/L	50.	EPA-6010	07/13/99	07/19/99	1
Total Aluminum	*04	122000.	µg/L	50.	EPA-6010	07/15/99	07/19/99	1
Total Antimony		None Detected	µg/L	100.	EPA-6010	07/15/99	07/19/99	1
Total Arsenic		157.	µg/L	10.	SM-3114B	07/19/99	07/21/99	5
Total Barium		589.	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Beryllium		None Detected	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Cadmium		None Detected	µg/L	5.	EPA-6010	07/15/99	07/19/99	1
Total Chromium		258.	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Cobalt		109.	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Copper		182.	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Iron		217000.	µg/L	50.	EPA-6010	07/15/99	07/19/99	1
Total Lead		74.	µg/L	5.	EPA-7421	07/16/99	07/22/99	5
Total Manganese		3320.	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Mercury		0.71	µg/L	0.2	EPA-7470	07/19/99	07/19/99	1
Total Molybdenum		15.	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Nickel		180.	µg/L	50.	EPA-6010	07/15/99	07/19/99	1
Total Selenium		None Detected	µg/L	2.	SM-3114B	07/19/99	07/20/99	1
Total Silver	*01	None Detected	µg/L	50.	EPA-6010	07/15/99	07/19/99	5
Total Titanium		7000.	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Thallium		None Detected	µg/L	5.0	EPA-7841	07/16/99	07/19/99	1
Total Vanadium		428.	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Zinc		568.	µg/L	50.	EPA-6010	07/15/99	07/19/99	1

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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: 07/13/99
Laboratory No.: 99-08130-2

Project Number: CA000280-0007-00001
Sampling Location: ILM
Sample ID: BL-5
Sampling Date/Time: 07/13/99 @ 03:40PM
Sample Collected By: FIOL/TEEPLE

Constituents		Results	Units	P.Q.L.	Method	Date Prepared	Date Analyzed	Dilution Factor
Dissolved Aluminum		None Detected	µg/L	50.	EPA-6010	07/13/99	07/19/99	1
Dissolved Antimony		None Detected	µg/L	100.	EPA-6010	07/13/99	07/19/99	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	07/13/99	07/19/99	1
Dissolved Beryllium		None Detected	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Dissolved Cadmium		None Detected	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Dissolved Chromium		None Detected	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Hexavalent Chromium		None Detected	µg/L	2.	EPA-7196	07/14/99	07/14/99	1
Dissolved Cobalt		None Detected	µg/L	50.	EPA-6010	07/13/99	07/19/99	1
Dissolved Copper		None Detected	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Dissolved Lead		None Detected	µg/L	5.	EPA-7421	07/13/99	07/19/99	1
Dissolved Manganese		38.	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Dissolved Mercury		None Detected	µg/L	0.2	EPA-7470	07/19/99	07/19/99	1
Dissolved Molybdenum		None Detected	µg/L	50.	EPA-6010	07/13/99	07/19/99	1
Dissolved Nickel		None Detected	µg/L	50.	EPA-6010	07/13/99	07/19/99	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	07/13/99	07/19/99	1
Dissolved Titanium		None Detected	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Dissolved Thallium		None Detected	µg/L	1.	EPA-7841	07/13/99	07/19/99	1
Dissolved Vanadium		None Detected	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Dissolved Zinc		None Detected	µg/L	50.	EPA-6010	07/13/99	07/19/99	1
Total Aluminum	*04	28000.	µg/L	50.	EPA-6010	07/15/99	07/19/99	1
Total Antimony		None Detected	µg/L	100.	EPA-6010	07/15/99	07/19/99	1
Total Arsenic		17.	µg/L	2.	SM-3114B	07/15/99	07/16/99	1
Total Barium		220.	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Beryllium		None Detected	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Cadmium		None Detected	µg/L	5.	EPA-6010	07/15/99	07/19/99	1
Total Chromium		122.	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Cobalt		12.	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Copper		20.	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Iron		47200.	µg/L	50.	EPA-6010	07/15/99	07/19/99	1
Total Lead		15.	µg/L	5.	EPA-7421	07/15/99	07/19/99	4
Total Manganese		642.	µg/L	10.	EPA-6010	07/15/99	07/19/99	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	07/19/99	1
Total Nickel		None Detected	µg/L	50.	EPA-6010	07/15/99	07/19/99	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	07/19/99	1
Total Titanium		1440.	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Thallium		None Detected	µg/L	5.0	EPA-7841	07/15/99	07/19/99	1
Total Vanadium		88.	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Zinc		128.	µg/L	50.	EPA-6010	07/15/99	07/19/99	1

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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: 07/13/99
Laboratory No.: 99-08130-3

Project Number: CA000280-0007-00001
Sampling Location: ILM
Sample ID: BL-8
Sampling Date/Time: 07/13/99 @ 04:20PM
Sample Collected By: FIOL/TEEPLE

Constituents		Results	Units	P.Q.L.	Method	Date Prepared	Date Analyzed	Dilution Factor
Dissolved Aluminum		None Detected	µg/L	50.	EPA-6010	07/13/99	07/19/99	1
Dissolved Antimony		None Detected	µg/L	100.	EPA-6010	07/13/99	07/19/99	1
Dissolved Arsenic		None Detected	µg/L	2.	SM-3114B	07/15/99	07/16/99	1
Dissolved Barium		285.	µg/L	100.	EPA-6010	07/13/99	07/19/99	1
Dissolved Beryllium		None Detected	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Dissolved Cadmium		None Detected	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Dissolved Chromium		15.	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Hexavalent Chromium		None Detected	µg/L	2.	EPA-7196	07/14/99	07/14/99	1
Dissolved Cobalt		None Detected	µg/L	50.	EPA-6010	07/13/99	07/19/99	1
Dissolved Copper		None Detected	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Dissolved Lead		None Detected	µg/L	5.	EPA-7421	07/13/99	07/19/99	1
Dissolved Manganese		None Detected	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Dissolved Mercury		None Detected	µg/L	0.2	EPA-7470	07/19/99	07/19/99	1
Dissolved Molybdenum		None Detected	µg/L	50.	EPA-6010	07/13/99	07/19/99	1
Dissolved Nickel		None Detected	µg/L	50.	EPA-6010	07/13/99	07/19/99	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	07/13/99	07/19/99	1
Dissolved Titanium		None Detected	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Dissolved Thallium		None Detected	µg/L	1.	EPA-7841	07/13/99	07/19/99	1
Dissolved Vanadium		None Detected	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Dissolved Zinc		None Detected	µg/L	50.	EPA-6010	07/13/99	07/19/99	1
Total Aluminum	*04	86500.	µg/L	50.	EPA-6010	07/15/99	07/19/99	1
Total Antimony		None Detected	µg/L	100.	EPA-6010	07/15/99	07/19/99	1
Total Arsenic		106.	µg/L	10.	SM-3114B	07/19/99	07/21/99	5
Total Barium		663.	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Beryllium		None Detected	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Cadmium		None Detected	µg/L	5.	EPA-6010	07/15/99	07/19/99	1
Total Chromium		330.	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Cobalt		42.	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Copper		70.	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Iron		142000.	µg/L	50.	EPA-6010	07/15/99	07/19/99	1
Total Lead		36.	µg/L	5.	EPA-7421	07/15/99	07/22/99	1
Total Manganese		1280.	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Mercury		0.22	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	07/19/99	1
Total Nickel		118.	µg/L	50.	EPA-6010	07/15/99	07/19/99	1
Total Selenium		None Detected	µg/L	2.	SM-3114B	07/19/99	07/20/99	1
Total Silver	*01	None Detected	µg/L	20.	EPA-6010	07/15/99	07/19/99	2
Total Titanium		5190.	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Thallium		None Detected	µg/L	5.0	EPA-7841	07/16/99	07/19/99	1
Total Vanadium		250.	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Zinc		315.	µg/L	50.	EPA-6010	07/15/99	07/19/99	1

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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: 07/13/99
Laboratory No.: 99-08130-4

Project Number: CA000280-0007-00001
Sampling Location: ILM
Sample ID: P-2
Sampling Date/Time: 07/13/99 @ 10:05AM
Sample Collected By: FIOL/TEEPLE

Constituents		Results	Units	P.Q.L.	Method	Date Prepared	Date Analyzed	Dilution Factor
Dissolved Aluminum		None Detected	µg/L	50.	EPA-6010	07/13/99	07/19/99	1
Dissolved Antimony		None Detected	µg/L	100.	EPA-6010	07/13/99	07/19/99	1
Dissolved Arsenic		None Detected	µg/L	2.	SM-3114B	07/15/99	07/16/99	1
Dissolved Barium		152.	µg/L	100.	EPA-6010	07/13/99	07/19/99	1
Dissolved Beryllium		None Detected	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Dissolved Cadmium		None Detected	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Dissolved Chromium		None Detected	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Hexavalent Chromium		9.4	µg/L	2.	EPA-7196	07/14/99	07/14/99	1
Dissolved Cobalt		None Detected	µg/L	50.	EPA-6010	07/13/99	07/19/99	1
Dissolved Copper		None Detected	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Dissolved Lead		None Detected	µg/L	5.	EPA-7421	07/13/99	07/19/99	1
Dissolved Manganese		1440.	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Dissolved Mercury		None Detected	µg/L	0.2	EPA-7470	07/19/99	07/19/99	1
Dissolved Molybdenum		None Detected	µg/L	50.	EPA-6010	07/13/99	07/19/99	1
Dissolved Nickel		None Detected	µg/L	50.	EPA-6010	07/13/99	07/19/99	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	07/13/99	07/19/99	1
Dissolved Titanium		None Detected	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Dissolved Thallium		None Detected	µg/L	1.	EPA-7841	07/13/99	07/19/99	1
Dissolved Vanadium		None Detected	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Dissolved Zinc		114.	µg/L	50.	EPA-6010	07/13/99	07/19/99	1
Total Aluminum	*04	2420.	µg/L	50.	EPA-6010	07/15/99	07/19/99	1
Total Antimony		None Detected	µg/L	100.	EPA-6010	07/15/99	07/19/99	1
Total Arsenic		3.8	µg/L	2.	SM-3114B	07/15/99	07/16/99	1
Total Barium		165.	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Beryllium		None Detected	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Cadmium		30.	µg/L	5.	EPA-6010	07/15/99	07/19/99	1
Total Chromium		None Detected	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Cobalt		None Detected	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Copper		63.	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Iron		4620.	µg/L	50.	EPA-6010	07/15/99	07/19/99	1
Total Lead		76.	µg/L	5.	EPA-7421	07/15/99	07/19/99	4
Total Manganese		1370.	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Mercury		None Detected	µg/L	0.2	EPA-7470	07/15/99	07/16/99	1
Total Molybdenum		11.	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Nickel		None Detected	µg/L	50.	EPA-6010	07/15/99	07/19/99	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	07/19/99	1
Total Titanium		138.	µg/L	10.	EPA-6010	07/15/99	07/19/99	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	07/19/99	1
Total Zinc		562.	µg/L	50.	EPA-6010	07/15/99	07/19/99	1

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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: 07/13/99
Laboratory No.: 99-08130-5

Project Number: CA000280-0007-00001
Sampling Location: ILM
Sample ID: P-10
Sampling Date/Time: 07/13/99 @ 11:40AM
Sample Collected By: FIOL/TEEPLE

Constituents		Results	Units	P.Q.L.	Method	Date Prepared	Date Analyzed	Dilution Factor
Dissolved Aluminum		None Detected	µg/L	50.	EPA-6010	07/13/99	07/19/99	1
Dissolved Antimony		None Detected	µg/L	100.	EPA-6010	07/13/99	07/19/99	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	07/13/99	07/19/99	1
Dissolved Beryllium		None Detected	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Dissolved Cadmium		None Detected	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Dissolved Chromium		31.	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Hexavalent Chromium		33.	µg/L	2.	EPA-7196	07/14/99	07/14/99	1
Dissolved Cobalt		None Detected	µg/L	50.	EPA-6010	07/13/99	07/19/99	1
Dissolved Copper		None Detected	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Dissolved Lead		None Detected	µg/L	5.	EPA-7421	07/13/99	07/19/99	1
Dissolved Manganese		13.	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Dissolved Mercury		None Detected	µg/L	0.2	EPA-7470	07/19/99	07/19/99	1
Dissolved Molybdenum		None Detected	µg/L	50.	EPA-6010	07/13/99	07/19/99	1
Dissolved Nickel		None Detected	µg/L	50.	EPA-6010	07/13/99	07/19/99	1
Dissolved Selenium		2.0	µg/L	2.	SM-3114B	07/15/99	07/16/99	1
Dissolved Silver		None Detected	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Dissolved Titanium		None Detected	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Dissolved Thallium		None Detected	µg/L	1.	EPA-7841	07/13/99	07/19/99	1
Dissolved Vanadium		None Detected	µg/L	10.	EPA-6010	07/13/99	07/19/99	1
Dissolved Zinc		11.	µg/L	50.	EPA-6010	07/13/99	07/19/99	1
Total Aluminum	*04	1180.	µg/L	50.	EPA-6010	07/15/99	07/19/99	1
Total Antimony		None Detected	µg/L	100.	EPA-6010	07/15/99	07/19/99	1
Total Arsenic		2.4	µg/L	2.	SM-3114B	07/15/99	07/16/99	1
Total Barium		74.	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Beryllium		None Detected	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Cadmium		None Detected	µg/L	5.	EPA-6010	07/15/99	07/19/99	1
Total Chromium		26.	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Cobalt		None Detected	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Copper		10.	µg/L	10.	EPA-6010	07/15/99	07/19/99	1
Total Iron		1730.	µg/L	50.	EPA-6010	07/15/99	07/19/99	1
Total Lead		None Detected	µg/L	5.	EPA-7421	07/15/99	07/19/99	4
Total Manganese		29.	µg/L	10.	EPA-6010	07/15/99	07/19/99	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	07/19/99	1
Total Nickel		None Detected	µg/L	50.	EPA-6010	07/15/99	07/19/99	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	07/19/99	1
Total Titanium		69.	µg/L	10.	EPA-6010	07/15/99	07/19/99	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	07/19/99	1
Total Zinc		None Detected	µg/L	50.	EPA-6010	07/15/99	07/19/99	1

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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: 07/27/99
Date Received: 07/13/99
Laboratory No.: 99-08130-1

Project Number: CA000280-0007-00001
Sampling Location: ILM
Sample ID: BL-1
Sample Matrix: Groundwater
Sample Collected By: FIOL/TEEPLE

Date Collected: 07/13/99 @ 02:45PM
Date Extracted: 07/14/99
Date Analyzed: 07/17/99
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	1300.	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	79.	%	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

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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: 07/27/99
Date Received: 07/13/99
Laboratory No.: 99-08130-3

Project Number: CA000280-0007-00001
Sampling Location: ILM
Sample ID: BL-8
Sample Matrix: Groundwater
Sample Collected By: FIOL/TEEPLE

Date Collected: 07/13/99 @ 04:20PM
Date Extracted: 07/14/99
Date Analyzed: 07/17/99
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	89.	%	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

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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: 07/27/99
Date Received: 07/13/99
Laboratory No.: 99-08130-5

Project Number: CA000280-0007-00001
Sampling Location: ILM
Sample ID: P-10
Sample Matrix: Groundwater
Sample Collected By: FIOL/TEEPLE

Date Collected: 07/13/99 @ 11:40AM
Date Extracted: 07/14/99
Date Analyzed: 07/17/99
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

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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: 07/13/99
Laboratory No.: 99-08130-1

Sample Description: CA000280-0007-00001, ILM, BL-1, 07/13/99 @ 02:45PM, FIOL/TEEPLE

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	5.2	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	98.	76-114
Toluene-d8	97.	88-110
4-Bromofluorobenzene	107.	86-115

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

Stuart G. Buttram
Department Supervisor

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4100 Atlas Court * Bakersfield, CA 93308 * (661)327-4911 * Fax(661)327-1918 * www.bclabs.com

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: 07/13/99
Laboratory No.: 99-08130-2

Sample Description: CA000280-0007-00001, ILM, BL-5, 07/13/99 @ 03:40PM, FIOL/TEEPLE

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	2.7	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	96.	76-114
Toluene-d8	96.	88-110
4-Bromofluorobenzene	107.	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

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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: 07/13/99
Laboratory No.: 99-08130-3

Sample Description: CA000280-0007-00001, ILM, BL-8, 07/13/99 @ 04:20PM, FIOL/TEEPLE

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	18.	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	97.	76-114
Toluene-d8	97.	88-110
4-Bromofluorobenzene	103.	86-115

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

Stuart G. Buttram
Department Supervisor

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4100 Atlas Court * Bakersfield, CA 93308 * (661)327-4911 * Fax(661)327-1918 * www.bclabs.com

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: 07/13/99
Laboratory No.: 99-08130-4

Sample Description: CA000280-0007-00001, ILM, P-2, 07/13/99 @ 10:05AM, FIOL/TEEPLE

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	102.	88-110	
4-Bromofluorobenzene	134.	86-115	*21

Flag Explanations:
*21 = Surrogate recovery not within established limits.
*23 = Associated surrogate recovery is high.
California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

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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: 07/13/99
Laboratory No.: 99-08130-5

Sample Description: CA000280-0007-00001, ILM, P-10, 07/13/99 @ 11:40AM, FIOL/TEEPLE

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	3.2	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	105.	86-115

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

Stuart G. Buttram
Department Supervisor

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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: 07/13/99
Laboratory No.: 99-08130-6TB

Sample Description: CA000280-0007-00001, ILM, 6TB, 07/13/99, FIOL/TEEPLE

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	96.	76-114
Toluene-d8	96.	88-110
4-Bromofluorobenzene	103.	86-115

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

Stuart G. Buttram
Department Supervisor

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BC Laboratories, Inc

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

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: 99-08130-1 - 99-08130-5

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	8130-4X5	426.8	423.9	939.	937.4	500.0	500.0	mg/L	1.	0.	10	102.	102.	90 - 11(
Chloride	8130-4X5	896.1	887.2	1356.	1360.	500.0	500.0	mg/L	1.	0.	10	92.	93.	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	8130-1	2.86	2.83	4.14	4.08	1.33	1.33	mls. titr.	1.	1.	10	96.	92.	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 - 11(
Ortho-phosphate	8130-1	0.0704	0.0704	0.6609	0.6695	0.6132	0.6132	mg/L	<PQL	1.	10	96.	98.	90 - 11(
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 - 12(

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

Quality Control Officer

Anthony Bonanno

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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: 99-08130-1 - 99-08130-5

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	103.	103.	103.	90 - 110	<50.	<50.	µg/L	<50.	µg/L
Dissolved Antimony	103.	100.	100.	90 - 110	<100.	<100.	µg/L	<100.	µg/L
Dissolved Arsenic	96.	96.	103.	80 - 120	< 1.	< 1.	µg/L	< 2.	µg/L
Dissolved Barium	100.	104.	105.	90 - 110	<100.	<100.	µg/L	<100.	µg/L
Dissolved Beryllium	100.	100.	100.	90 - 110	<10.	<10.	µg/L	<10.	µg/L
Dissolved Cadmium	100.	100.	99.	90 - 110	<10.	<10.	µg/L	<10.	µg/L
Dissolved Chromium	97.	101.	100.	90 - 110	<10.	<10.	µg/L	<10.	µg/L
Hexavalent Chromium	98.	99.	106.	90 - 110	< 2.	< 2.	µg/L	< 2.	µg/L
Dissolved Cobalt	99.	100.	99.	90 - 110	<50.	<50.	µg/L	<50.	µg/L
Dissolved Copper	98.	102.	103.	90 - 110	<10.	<10.	µg/L	<10.	µg/L
Dissolved Lead	100.	99.	96.	80 - 120	< 5.	< 5.	µg/L	< 5.	µg/L
Dissolved Manganese	99.	100.	100.	90 - 110	<10.	<10.	µg/L	<10.	µg/L
Dissolved Mercury	100.	106.	102.	80 - 120	< 0.2	< 0.2	µg/L	< 0.2	µg/L
Dissolved Molybdenum	100.	100.	97.	90 - 110	<50.	<50.	µg/L	<50.	µg/L
Dissolved Nickel	101.	99.	98.	90 - 110	<50.	<50.	µg/L	<50.	µg/L
Dissolved Selenium	104.	104.	101.	80 - 120	< 1.	< 1.	µg/L	< 2.	µg/L
Dissolved Silver	105.	107.	94.	90 - 110	<10.	<10.	µg/L	<10.	µg/L
Dissolved Titanium	99.	99.	100.	90 - 110	<10.	<10.	µg/L	<10.	µg/L
Dissolved Thallium	104.	104.	104.	80 - 120	< 1.	< 1.	µg/L	< 1.	µg/L
Dissolved Vanadium	103.	101.	101.	90 - 110	<10.	<10.	µg/L	<10.	µg/L
Dissolved Zinc	101.	101.	100.	90 - 110	<10.	<10.	µg/L	<10.	µg/L
Total Aluminum	103.	100.	101.	90 - 110	<50.	<50.	µg/L	<50.	µg/L
Total Antimony	103.	107.	95.	90 - 110	<100.	<100.	µg/L	<100.	µg/L
Total Arsenic	99.	93.	106.	80 - 120	< 1.	< 1.	µg/L	< 2.	µg/L
Total Arsenic #2,4,5	96.	103.	103.	80 - 120	< 1.	< 1.	µg/L	< 2.	µg/L
Total Barium	100.	100.	100.	90 - 110	<100.	<100.	µg/L	<10.	µg/L
Total Beryllium	100.	98.	100.	90 - 110	<10.	<10.	µg/L	<10.	µg/L
Total Cadmium	100.	101.	100.	90 - 110	< 5.	< 5.	µg/L	< 5.	µg/L
Total Chromium	97.	97.	99.	90 - 110	<10.	<10.	µg/L	<10.	µg/L
Total Cobalt	99.	101.	100.	90 - 110	<10.	<10.	µg/L	<10.	µg/L
Total Copper	98.	99.	99.	90 - 110	<10.	<10.	µg/L	<10.	µg/L

BOE-C6-0101997

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BC Laboratories, Inc

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

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: 99-08130-1 - 99-08130-5

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	8130-1	< 50.	< 50.	384.	405.	408.	408.	µg/L	<PQL	5.	20	98.	103.	85 - 115
Dissolved Antimony	8130-1	<100.	<100.	419.	416.	408.	408.	µg/L	<PQL	1.	20	101.	100.	85 - 115
Dissolved Arsenic	DISS-8130-1	< 2.	< 2.	21.3	22.	20.	20.	µg/L	<PQL	3.	20	103.	107.	80 - 120
Dissolved Barium	8130-1	62.7	60.5	276.	272.	204.	204.	µg/L	<PQL	2.	20	105.	103.	85 - 115
Dissolved Beryllium	8130-1	< 10.	< 10.	204.	202.	204.	204.	µg/L	<PQL	1.	20	100.	99.	85 - 115
Dissolved Cadmium	8130-1	< 10.	< 10.	212.	212.	204.	204.	µg/L	<PQL	0.	20	102.	102.	85 - 115
Dissolved Chromium	8130-1	< 10.	< 10.	200.	200.	204.	204.	µg/L	<PQL	0.	20	97.	97.	85 - 115
Hexavalent Chromium	8130-1	< 2.000	< 2.000	55.3	55.9	52.6	52.6	µg/L	<PQL	1.	10	105.	106.	85 - 115
Dissolved Cobalt	8130-1	< 50.	< 50.	214.	213.	204.	204.	µg/L	<PQL	0.	20	104.	104.	85 - 115
Dissolved Copper	8130-1	< 10.	< 10.	212.	215.	204.	204.	µg/L	<PQL	1.	20	101.	103.	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	8130-1	15.6	14.7	218.	218.	204.	204.	µg/L	<PQL	0.	20	99.	99.	85 - 115
Dissolved Mercury	TOTAL-08204-4	< 0.2	< 0.2	1.12	1.11	1.	1.	µg/L	<PQL	1.	20	109.	108.	70 - 130
Dissolved Molybdenum	8130-1	< 50.	< 50.	186.	195.	204.	204.	µg/L	<PQL	5.	20	91.	95.	85 - 115
Dissolved Nickel	8130-1	< 50.	< 50.	400.	399.	408.	408.	µg/L	<PQL	0.	20	98.	98.	85 - 115
Dissolved Selenium	DISS-8130-1	< 2.	< 2.	19.6	20.5	20.	20.	µg/L	<PQL	5.	20	96.	100.	80 - 120
Dissolved Silver	8130-1	< 10.	< 10.	209.	208.	204.	204.	µg/L	<PQL	1.	20	105.	104.	85 - 115
Dissolved Titanium	8130-1	< 10.	< 10.	194.	196.	204.	204.	µg/L	<PQL	1.	20	97.	98.	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	8130-1	< 10.	< 10.	200.	200.	204.	204.	µg/L	<PQL	0.	20	96.	96.	85 - 115
Dissolved Zinc	8130-1	< 50.	< 50.	219.	219.	204.	204.	µg/L	<PQL	0.	20	103.	103.	85 - 115
Total Aluminum	TOTAL-8130-5-7	1180.	1190.	2540.	2620.	400.	400.	µg/L	0.	3.	20	H MEAN	H MEAN	80 - 120
Total Antimony	TOTAL-8130-5-7	<100.	<100.	410.	424.	400.	400.	µg/L	<PQL	4.	20	101.	105.	80 - 120
Total Arsenic	TOTAL-8271-1	9.18	9.5	27.2	28.	20.	20.	µg/L	<PQL	3.	20	90.	94.	80 - 120
Total Arsenic #2,4,5	DISS-8130-1	< 2.	< 2.	21.3	22.	20.	20.	µg/L	<PQL	3.	20	103.	107.	80 - 120
Total Barium	TOTAL-8130-5-7	74.2	73.7	267.	277.	200.	200.	µg/L	<PQL	4.	20	96.	101.	80 - 120
Total Beryllium	TOTAL-8130-5-7	< 10.	< 10.	194.	199.	200.	200.	µg/L	<PQL	3.	20	97.	99.	80 - 120
Total Cadmium	TOTAL-8130-5-7	< 10.	< 10.	197.	198.	200.	200.	µg/L	<PQL	1.	20	99.	100.	80 - 120
Total Chromium	TOTAL-8130-5-7	25.9	29.1	212.	221.	200.	200.	µg/L	<PQL	4.	20	93.	97.	80 - 120
Total Cobalt	TOTAL-8130-5-7	< 50.	< 50.	199.	204.	200.	200.	µg/L	<PQL	2.	20	100.	102.	80 - 120
Total Copper	TOTAL-8130-5-7	10.	10.8	187.	199.	200.	200.	µg/L	<PQL	7.	20	88.	95.	80 - 120

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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: 99-08130-1 - 99-08130-5

Constituents	QC Sample ID	Sample Result	Spike Level	Units	% Rec	Accuracy Control Limits
Dissolved Aluminum	LFB#1-0129	395.	400.	µg/L	99.	85 - 115
Dissolved Antimony	LFB#1-0129	422.	400.	µg/L	106.	85 - 115
Dissolved Arsenic	LCSW1-07-1	10.	10.	µg/L	101.	85 - 115
Dissolved Barium	LFB#1-0129	196.	200.	µg/L	98.	85 - 115
Dissolved Beryllium	LFB#1-0129	197.	200.	µg/L	99.	85 - 115
Dissolved Cadmium	LFB#1-0129	206.	200.	µg/L	103.	85 - 115
Dissolved Chromium	LFB#1-0129	197.	200.	µg/L	98.	85 - 115
Hexavalent Chromium	LCSW-7-14-	0.988	1.0	mg/L	99.	85 - 115
Dissolved Cobalt	LFB#1-0129	212.	200.	µg/L	106.	85 - 115
Dissolved Copper	LFB#1-0129	188.	200.	µg/L	94.	85 - 115
Dissolved Lead	LFB-25-LCS	26.7	25.	µg/L	107.	85 - 115
Dissolved Manganese	LFB#1-0129	200.	200.	µg/L	100.	85 - 115
Dissolved Mercury	LCSW2-07-1	1.03	1.0	µg/L	103.	85 - 115
Dissolved Molybdenum	LFB#1-0129	208.	200.	µg/L	104.	85 - 115
Dissolved Nickel	LFB#1-0129	410.	400.	µg/L	103.	85 - 115
Dissolved Selenium	LCSW1-07-1	9.91	10.	µg/L	99.	85 - 115
Dissolved Silver	LFB#1-0129	200.	200.	µg/L	100.	85 - 115
Dissolved Titanium	LFB#1-0129	194.	200.	µg/L	97.	85 - 115
Dissolved Thallium	LFB-25-LCS	25.9	25.	µg/L	104.	85 - 115
Dissolved Vanadium	LFB#1-0129	195.	200.	µg/L	97.	85 - 115
Dissolved Zinc	LFB#1-0129	207.	200.	µg/L	104.	85 - 115
Total Aluminum	TOTAL-LCSW	426.	400.	µg/L	106.	85 - 115
Total Antimony	TOTAL-LCSW	442.	400.	µg/L	111.	85 - 115
Total Arsenic	LCSW1-07-1	9.81	10.	µg/L	98.	85 - 115
Total Arsenic #2,4,5	LCSW1-07-1	10.	10.	µg/L	101.	85 - 115
Total Barium	TOTAL-LCSW	198.	200.	µg/L	99.	85 - 115
Total Beryllium	TOTAL-LCSW	199.	200.	µg/L	99.	85 - 115
Total Cadmium	TOTAL-LCSW	206.	200.	µg/L	103.	85 - 115
Total Chromium	TOTAL-LCSW	194.	200.	µg/L	97.	85 - 115
Total Cobalt	TOTAL-LCSW	214.	200.	µg/L	107.	85 - 115
Total Copper	TOTAL-LCSW	189.	200.	µg/L	94.	85 - 115

BOE-C6-0101999

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BC Laboratories, Inc

B C LABORATORIES
QUALITY CONTROL REPORT
(Instrumental & Blank Parameters)
METHOD 8015M TPH 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: 99-08130-1 - 99-08130-5

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	67.	%

Quality Control Officer

Anthony Bonanno

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BC Laboratories, Inc

B C LABORATORIES
QUALITY CONTROL REPORT
(Laboratory Control Sample)
METHOD 8015M TPH 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: 99-08130-1 - 99-08130-5

Constituents	QC Sample ID	Sample Result	Spike Level	Units	% Rec	Accuracy Control Limits
Diesel	LCSW	2357.	2500.	µg/L	94.	43 - 148
Surrogate % Recovery	LCSW				88.	33 - 138

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

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: 99-08130-1 - 99-08130-5, 99-08130-6TB

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	92.	%

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BC Laboratories, Inc

B C LABORATORIES
QUALITY CONTROL REPORT
(Precision & Accuracy)
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: 99-08130-1 - 99-08130-5, 99-08130-6TB

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	8130-5	< 0.5	17.	17.	16.	16.	µg/L	1.	20	104.	105.	80 - 120
Bromodichloromethane	8130-5	< 0.5	16.	16.	16.	16.	µg/L	0.	20	100.	99.	80 - 120
Chlorobenzene	8130-5	< 0.5	16.	16.	16.	16.	µg/L	2.	20	102.	100.	80 - 120
Chloroethane	8130-5	< 0.5	19.	19.	16.	16.	µg/L	2.	20	118.	116.	80 - 120
1,4-Dichlorobenzene	8130-5	< 0.5	16.	16.	16.	16.	µg/L	2.	20	102.	100.	80 - 120
1,1-Dichloroethane	8130-5	< 0.5	16.	16.	16.	16.	µg/L	1.	20	100.	102.	80 - 120
1,1-Dichloroethene	8130-5	< 0.5	18.	18.	16.	16.	µg/L	2.	20	111.	108.	80 - 120
Toluene	8130-5	< 0.5	16.	16.	16.	16.	µg/L	2.	20	100.	98.	80 - 120
Trichloroethene	8130-5	3.2	20.	19.	16.	16.	µg/L	5.	20	107.	102.	80 - 120
1,2-Dichloroethane-d4	MS/MSD									91.	94.	76 - 114
Toluene-d8	MS/MSD									98.	96.	88 - 110
4-Bromofluorobenzene	MS/MSD									103.	101.	86 - 115

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

Quality Control Officer

Anthony Bonanno

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Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\JULY99\JULY15\15JULY16.D Vial: 2
Acq On : 15 Jul 1999 6:59 pm Operator: C CARDOZA
Sample : CCV 36 Inst : MS-V3
Misc : 25 ML 16 G/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	85	0.02
2		dichlorodifluoromethane	0.874	0.760	13.0	71	0.00
3	P	chloromethane	0.523	0.431	17.6	66	-0.03
4	C	vinyl chloride	0.640	0.656	-2.5	85	0.00
5		bromomethane	0.355	0.438	-23.4#	102	0.00
6	M	chloroethane	0.397	0.459	-15.6	94	0.00
7		trichlorofluoromethane	0.943	0.912	3.3	82	0.00
8		1,1,2-trichloro-1,2,2-trifl	1.039	1.067	-2.7	93	0.00
9	MC	1,1-dichloroethene	0.547	0.590	-7.9	94	0.02
10		methylene chloride	0.556	0.580	-4.3	95	0.00
11		MTBE	0.847	0.963	-13.7	99	0.00
12		trans-1,2-dichloroethene	0.644	0.646	-0.3	88	0.00
13	MP	1,1-dichloroethane	1.330	1.341	-0.8	87	0.00
14		2,2-dichloropropane	0.854	0.933	-9.3	96	0.00
15		cis-1,2-dichloroethene	0.661	0.685	-3.6	91	0.00
16	C	chloroform	1.181	1.199	-1.5	89	0.00
17		bromochloromethane	0.188	0.207	-10.1	95	0.00
18		1,1,1-trichloroethane	0.970	1.026	-5.8	92	0.00
19		1,1-dichloropropene	1.108	1.163	-5.0	91	0.00
20		carbon tetrachloride	0.744	0.855	-14.9	97	0.00
21	S	1,2-dichloroethane-d4 SMC#1	0.346	0.360	-4.0	88	0.00
22		1,2-dichloroethane	0.410	0.443	-8.0	92	0.00
23	M	benzene	2.428	2.627	-8.2	93	0.00
24	I	1,4-difluorobenzene IS#2	1.000	1.000	0.0	81	0.00
25	M	trichloroethene	0.445	0.496	-11.5	93	0.00
26	C	1,2-dichloropropane	0.467	0.528	-13.1	93	0.00
27	M	bromodichloromethane	0.541	0.600	-10.9	93	-0.02
28		dibromomethane	0.177	0.212	-19.8	97	0.00
29		2-CEVE	0.019	0.021#	-10.5	93	0.00
30		cis-1,3-dichloropropene	0.539	0.606	-12.4	93	-0.02
31	S	toluene-d8 SMC#2	1.224	1.261	-3.0	82	-0.02
32	MC	toluene	0.851	0.923	-8.5	92	-0.03
33		trans-1,3-dichloropene	0.351	0.419	-19.4	96	-0.03
34		1,1,2-trichloroethane	0.207	0.247	-19.3	98	-0.03
35		1,3-dichloropropane	0.400	0.475	-18.7	97	-0.04
36		tetrachloroethene	0.411	0.490	-19.2	97	-0.03
37		dibromochloromethane	0.225	0.274	-21.8#	99	-0.03
		1,2-dibromoethane	0.215	0.262	-21.9#	100	-0.03
	I	chlorobenzene-d5 IS#3	1.000	1.000	0.0	88	-0.03

#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\JULY99\JULY15\15JULY34.D Vial: 2
Acq On : 16 Jul 1999 6:26 am Operator: C CARDOZA
Sample : CCV 37 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	90	0.00
2		dichlorodifluoromethane	0.874	0.794	9.2	79	0.00
3	P	chloromethane	0.523	0.499	4.6	81	-0.06
4	C	vinyl chloride	0.640	0.676	-5.6	93	0.00
5		bromomethane	0.355	0.476	-34.1#	118	0.00
6	M	chloroethane	0.397	0.454	-14.4	99	0.00
7		trichlorofluoromethane	0.943	0.980	-3.9	94	0.00
8		1,1,2-trichloro-1,2,2-trifl	1.039	1.113	-7.1	103	0.00
9	MC	1,1-dichloroethene	0.547	0.603	-10.2	103	0.00
10		methylene chloride	0.556	0.531	4.5	93	0.00
11		MTBE	0.847	0.732	13.6	80	0.00
12		trans-1,2-dichloroethene	0.644	0.661	-2.6	96	0.00
13	MP	1,1-dichloroethane	1.330	1.306	1.8	90	0.00
14		2,2-dichloropropane	0.854	0.826	3.3	91	0.00
15		cis-1,2-dichloroethene	0.661	0.657	0.6	93	0.00
16	C	chloroform	1.181	1.145	3.0	90	0.00
17		bromochloromethane	0.188	0.171	9.0	83	0.00
18		1,1,1-trichloroethane	0.970	1.016	-4.7	97	0.00
19		1,1-dichloropropene	1.108	1.208	-9.0	101	0.02
20		carbon tetrachloride	0.744	0.819	-10.1	99	0.00
21	S	1,2-dichloroethane-d4 SMC#1	0.346	0.294	15.0	76	0.00
22		1,2-dichloroethane	0.410	0.359	12.4	79	0.00
23	M	benzene	2.428	2.456	-1.2	93	0.00
24	I	1,4-difluorobenzene IS#2	1.000	1.000	0.0	86	0.02
25	M	trichloroethene	0.445	0.494	-11.0	98	0.00
26	C	1,2-dichloropropane	0.467	0.474	-1.5	89	0.00
27	M	bromodichloromethane	0.541	0.537	0.7	88	0.00
28		dibromomethane	0.177	0.167	5.6	81	0.00
29		2-CEVE	0.019	0.019#	0.0	89	0.00
30		cis-1,3-dichloropropene	0.539	0.529	1.9	86	0.00
31	S	toluene-d8 SMC#2	1.224	1.190	2.8	83	-0.02
32	MC	toluene	0.851	0.884	-3.9	93	-0.02
33		trans-1,3-dichloropene	0.351	0.328	6.6	80	-0.02
34		1,1,2-trichloroethane	0.207	0.190	8.2	80	-0.02
35		1,3-dichloropropane	0.400	0.378	5.5	82	-0.02
36		tetrachloroethene	0.411	0.468	-13.9	98	-0.02
37		dibromochloromethane	0.225	0.218	3.1	84	-0.02
38		1,2-dibromoethane	0.215	0.200	7.0	81	-0.02
39	I	chlorobenzene-d5 IS#3	1.000	1.000	0.0	84	-0.02

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\JULY99\JULY16\16JULY15.D Vial: 2
Acq On : 16 Jul 1999 6:00 pm Operator: S MAURER
Sample : CCV 38 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	85	0.01
2		dichlorodifluoromethane	0.874	0.781	10.6	73	0.00
3	P	chloromethane	0.523	0.439	16.1	67	-0.04
4	C	vinyl chloride	0.640	0.670	-4.7	86	0.00
5		bromomethane	0.355	0.464	-30.7#	108	0.01
6	M	chloroethane	0.397	0.471	-18.6	96	0.00
7		trichlorofluoromethane	0.943	0.929	1.5	83	0.00
8		1,1,2-trichloro-1,2,2-trifl	1.039	1.072	-3.2	93	0.00
9	MC	1,1-dichloroethene	0.547	0.597	-9.1	95	0.01
10		methylene chloride	0.556	0.578	-4.0	95	0.00
11		MTBE	0.847	0.935	-10.4	96	0.00
12		trans-1,2-dichloroethene	0.644	0.651	-1.1	88	0.01
3	MP	1,1-dichloroethane	1.330	1.358	-2.1	88	0.00
4		2,2-dichloropropane	0.854	0.931	-9.0	96	0.00
15		cis-1,2-dichloroethene	0.661	0.671	-1.5	89	0.00
16	C	chloroform	1.181	1.184	-0.3	87	0.00
17		bromochloromethane	0.188	0.202	-7.4	92	0.01
18		1,1,1-trichloroethane	0.970	1.030	-6.2	92	0.01
19		1,1-dichloropropene	1.108	1.172	-5.8	92	0.00
20		carbon tetrachloride	0.744	0.858	-15.3	97	0.00
21	S	1,2-dichloroethane-d4 SMC#1	0.346	0.351	-1.4	85	0.00
22		1,2-dichloroethane	0.410	0.443	-8.0	92	0.00
23	M	benzene	2.428	2.631	-8.4	93	0.00
24	I	1,4-difluorobenzene IS#2	1.000	1.000	0.0	81	0.01
5	M	trichloroethene	0.445	0.492	-10.6	93	0.01
6	C	1,2-dichloropropane	0.467	0.521	-11.6	93	0.00
7	M	bromodichloromethane	0.541	0.588	-8.7	92	-0.01
8		dibromomethane	0.177	0.209	-18.1	96	0.00
9		2-CEVE	0.019	0.021#	-10.5	93	0.00
0		cis-1,3-dichloropropene	0.539	0.600	-11.3	92	-0.02
1	S	toluene-d8 SMC#2	1.224	1.275	-4.2	84	-0.02
2	MC	toluene	0.851	0.908	-6.7	91	-0.03
3		trans-1,3-dichloropene	0.351	0.410	-16.8	95	-0.03
4		1,1,2-trichloroethane	0.207	0.243	-17.4	97	-0.04
5		1,3-dichloropropane	0.400	0.466	-16.5	95	-0.04
6		tetrachloroethene	0.411	0.486	-18.2	97	-0.04
7		dibromochloromethane	0.225	0.265	-17.8	96	-0.03
		1,2-dibromoethane	0.215	0.252	-17.2	97	-0.04
)	I	chlorobenzene-d5 IS#3	1.000	1.000	0.0	87	-0.03

(#) = Out of Range

BOE-C6-0102006

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)
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
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	0.00

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
47)	P	bromoform	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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
0		methylene chloride	0.556	0.545	2.0	105	0.01
1		MTBE	0.847	0.777	8.3	93	0.00
2		trans-1,2-dichloroethene	0.644	0.630	2.2	100	0.01
3	MP	1,1-dichloroethane	1.330	1.290	3.0	98	0.01
4		2,2-dichloropropane	0.854	0.844	1.2	102	0.02
5		cis-1,2-dichloroethene	0.661	0.626	5.3	97	0.02
6	C	chloroform	1.181	1.153	2.4	100	0.02
7		bromochloromethane	0.188	0.179	4.8	96	0.03
8		1,1,1-trichloroethane	0.970	0.960	1.0	101	0.04
9		1,1-dichloropropene	1.108	1.144	-3.2	105	0.04
0		carbon tetrachloride	0.744	0.753	-1.2	100	0.04
1	S	1,2-dichloroethane-d4 SMC#1	0.346	0.325	6.1	93	0.03
2		1,2-dichloroethane	0.410	0.391	4.6	95	0.03
3	M	benzene	2.428	2.444	-0.7	101	0.04
4	I	1,4-difluorobenzene IS#2	1.000	1.000	0.0	98	0.04
5	M	trichloroethene	0.445	0.456	-2.5	103	0.04
6	C	1,2-dichloropropane	0.467	0.480	-2.8	103	0.04
7	M	bromodichloromethane	0.541	0.490	9.4	92	0.03
8		dibromomethane	0.177	0.167	5.6	93	0.03
9		2-CEVE	0.019	0.019	0.0	103	0.04
0		cis-1,3-dichloropropene	0.539	0.520	3.5	97	0.03
1	S	toluene-d8 SMC#2	1.224	1.188	2.9	94	0.03
2	MC	toluene	0.851	0.806	5.3	97	0.03
3		trans-1,3-dichloropene	0.351	0.327	6.8	91	0.03
4		1,1,2-trichloroethane	0.207	0.191	7.7	92	0.04
5		1,3-dichloropropane	0.400	0.379	5.3	94	0.01
6		tetrachloroethene	0.411	0.415	-1.0	100	0.01
7		dibromochloromethane	0.225	0.202	10.2	89	0.02
		1,2-dibromoethane	0.215	0.201	6.5	93	0.00
	I	chlorobenzene-d5 IS#3	1.000	1.000	0.0	96	0.00
	MP	chlorobenzene	3.133	3.111	0.7	98	0.00
		1,1,1,2-tetrachloroethane	1.058	1.061	-0.3	98	0.01
	C	ethylbenzene	6.977	7.004	-0.4	98	0.01
		m&p-xylene	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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: 99-08130-1 - 99-08130-5, 99-08130-6TB

Constituents	QC Sample ID	Sample Result	Spike Level	Units	% Rec	Accuracy Control Limits
Benzene	CCV 37	15.85	16.00	µg/L	99.	80 - 120
Bromodichloromethane	CCV 37	15.88	16.00	µg/L	99.	80 - 120
Chlorobenzene	CCV 37	17.06	16.00	µg/L	107.	80 - 120
Chloroethane	CCV 37	18.30	16.00	µg/L	114.	80 - 120
1,4-Dichlorobenzene	CCV 37	17.08	16.00	µg/L	107.	80 - 120
1,1-Dichloroethane	CCV 37	15.71	16.00	µg/L	98.	80 - 120
1,1-Dichloroethene	CCV 37	17.64	16.00	µg/L	110.	80 - 120
Toluene	CCV 37	16.62	16.00	µg/L	104.	80 - 120
Trichloroethene	CCV 37	17.76	16.00	µg/L	111.	80 - 120
1,2-Dichloroethane-d4	CCV 37				85.	76 - 114
Toluene-d8	CCV 37				97.	88 - 110
4-Bromofluorobenzene	CCV 37				105.	86 - 115

Quality Control Officer

Anthony Bonanno

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