

# Advanced Technology Laboratories

Print Date: 8/20/01

CLIENT: Applied P & Ch Laboratories  
Lab Order: 052557  
Project: JPL  
Lab ID: 052557-015A

Client Sample ID: MW-24-3  
Collection Date: 7/26/01 12:20:00 PM  
Matrix: Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP-MS METALS</b>		<b>EPA 200.8</b>				
RunID: ICP4_010816A	BatchID: 5433			PrepDate: 8/16/01		Analyst: NS
Chromium	5.3	5.0		µg/L	1.0	8/16/01

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interference.  
H - Samples exceeding analytical holding time  
E - Value above quantitation range  
M - Not Monitored. Highly Reactive

Initials: RA

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# Advanced Technology Laboratories

Print Date: 8/20/01

**CLIENT:** Applied P & Ch Laboratories  
**Lab Order:** 052557  
**Project:** JPL  
**Lab ID:** 052557-016A

**Client Sample ID:** MW-24-3D  
**Collection Date:** 7/26/01 12:20:00 PM  
**Matrix:** Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP-MS METALS</b>		<b>EPA 200.8</b>				
RunID: ICP4_010816A	BatchID: 5433			PrepDate: 8/16/01		Analyst: NS
Chromium	ND	5.0		µg/L	1.0	8/16/01

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interference.  
H - Samples exceeding analytical holding time  
E - Value above quantitation range  
M - Not Monitored. Highly Reactive

**Initials:** RA

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Advanced Technology  
Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

# Advanced Technology Laboratories

Print Date: 8/20/01

**CLIENT:** Applied P & Ch Laboratories

**Client Sample ID:** MW-24-2

**Lab Order:** 052557

**Project:** JPL

**Collection Date:** 7/26/01 1:05:00 PM

**Lab ID:** 052557-017A

**Matrix:** Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP-MS METALS</b>		<b>EPA 200.8</b>				
RunID: ICP4_010816A	BatchID: 5433			PrepDate: 8/16/01		Analyst: NS
Chromium	ND	5.0		µg/L	1.0	8/16/01

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 DO - Surrogate Diluted Out  
 S - Spike/Surrogate outside of limits due to matrix interference.  
 H - Samples exceeding analytical holding time  
 E - Value above quantitation range  
 M - Not Monitored. Highly Reactive

**Initials:** IRA



**Advanced Technology Laboratories**

Print Date: 8/20/01

**CLIENT:** Applied P & Ch Laboratories  
**Lab Order:** 052557  
**Project:** JPL  
**Lab ID:** 052557-018A

**Client Sample ID:** MW-24-1  
**Collection Date:** 7/26/01 1:57:00 PM  
**Matrix:** Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP-MS METALS</b>		<b>EPA 200.8</b>				
RunID: ICP4_010816A	BatchID: 5433			PrepDate: 8/16/01		Analyst: NS
Chromium	ND	5.0		µg/L	1.0	8/16/01

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
DO - Surrogate Diluted Out  
S - Spike/Surrogate outside of limits due to matrix interference.  
H - Samples exceeding analytical holding time  
E - Value above quantitation range  
M - Not Monitored. Highly Reactive

**Initials:** RA



**Advanced Technology Laboratories**

Print Date: 8/20/01

**CLIENT:** Applied P & Ch Laboratories  
**Lab Order:** 052557  
**Project:** JPL  
**Lab ID:** 052557-019A

**Client Sample ID:** FIELD BLANK  
**Collection Date:** 7/26/01 12:25:00 PM  
**Matrix:** Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP-MS METALS</b>		<b>EPA 200.8</b>				
RunID: ICP4_010816A	BatchID: 5433			PrepDate: 8/16/01		Analyst: NS
Chromium	ND	5.0		µg/L	1.0	8/16/01

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike/Surrogate outside of limits due to matrix interference.  
J - Analyte detected below quantitation limits      H - Samples exceeding analytical holding time  
B - Analyte detected in the associated Method Blank      E - Value above quantitation range      **Initials:** RA  
DO - Surrogate Diluted Out      M - Not Monitored. Highly Reactive

031



**Advanced Technology Laboratories**

Print Date: 8/20/01

**CLIENT:** Applied P & Ch Laboratories  
**Lab Order:** 052557  
**Project:** JPL  
**Lab ID:** 052557-020A

**Client Sample ID:** ER-4  
**Collection Date:** 7/27/01 10:21:00 AM  
**Matrix:** Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP-MS METALS</b>		<b>EPA 200.8</b>				
RunID: ICP4_010816A	BatchID: 5433			PrepDate: 8/16/01		Analyst: NS
Chromium	ND	5.0		µg/L	1.0	8/16/01

053

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 DO - Surrogate Diluted Out  
 S - Spike/Surrogate outside of limits due to matrix interference.  
 H - Samples exceeding analytical holding time  
 E - Value above quantitation range  
 M - Not Monitored. Highly Reactive

Initials: RA



# Advanced Technology Laboratories

Print Date: 8/20/01

CLIENT: Applied P & Ch Laboratories  
 Lab Order: 052557  
 Project: JPL  
 Lab ID: 052557-021A

Client Sample ID: MW-4-5  
 Collection Date: 7/27/01 10:12:00 AM  
 Matrix: Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP-MS METALS</b>		<b>EPA 200.8</b>				
RunID: ICP4_010816B	BatchID: 5434			PrepDate: 8/16/01		Analyst: NS
Chromium	12	5.0		µg/L	1.0	8/16/01

Qualifiers: ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interference.  
 H - Samples exceeding analytical holding time  
 E - Value above quantitation range  
 M - Not Monitored. Highly Reactive

Initials: RA



# Advanced Technology Laboratories

Print Date: 8/20/01

**CLIENT:** Applied P & Ch Laboratories  
**Lab Order:** 052557  
**Project:** JPL  
**Lab ID:** 052557-022A

**Client Sample ID:** MW-4-4  
**Collection Date:** 7/27/01 10:30:00 AM  
**Matrix:** Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
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**ICP-MS METALS**

**EPA 200.8**

RunID: ICP4\_010816B

BatchID: 5434

PrepDate: 8/16/01

Analyst: NS

Chromium

5.2

5.0

µg/L

1.0

8/16/01

034

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interference.  
H - Samples exceeding analytical holding time  
E - Value above quantitation range  
M - Not Monitored. Highly Reactive

**Initials:** RA

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*Advanced Technology  
Laboratories*

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

**Advanced Technology Laboratories**

Print Date: 8/20/01

**CLIENT:** Applied P & Ch Laboratories  
**Lab Order:** 052557  
**Project:** JPL  
**Lab ID:** 052557-023A

**Client Sample ID:** MW-4-3  
**Collection Date:** 7/27/01 10:57:00 AM  
**Matrix:** Water

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Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
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**ICP-MS METALS**

**EPA 200.8**

RunID: ICP4_010816B	BatchID: 5434	PrepDate: 8/16/01	Analyst: NS		
Chromium	ND	5.0	µg/L	1.0	8/16/01

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**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interference.  
H - Samples exceeding analytical holding time  
E - Value above quantitation range  
M - Not Monitored. Highly Reactive

**Initials:** RA



**Advanced Technology Laboratories**

Print Date: 8/20/01

CLIENT: Applied P & Ch Laboratories  
 Lab Order: 052557  
 Project: JPL  
 Lab ID: 052557-024A

Client Sample ID: MW-4-2  
 Collection Date: 7/27/01 11:18:00 AM  
 Matrix: Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
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**ICP-MS METALS**

**EPA 200.8**

RunID: ICP4\_010816B      BatchID: 5434      PrepDate: 8/16/01      Analyst: NS

Chromium	8.6	5.0		µg/L	1.0	8/16/01
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Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike/Surrogate outside of limits due to matrix interference.
	J - Analyte detected below quantitation limits	H - Samples exceeding analytical holding time
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	M - Not Monitored. Highly Reactive

Initials: RA



# Advanced Technology Laboratories

Print Date: 8/20/01

CLIENT: Applied P & Ch Laboratories  
 Lab Order: 052557  
 Project: JPL  
 Lab ID: 052557-025A

Client Sample ID: MW-4-1  
 Collection Date: 7/27/01 11:40:00 AM  
 Matrix: Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP-MS METALS</b>		<b>EPA 200.8</b>				
RunID: ICP4_010816B	BatchID: 5434			PrepDate: 8/16/01		Analyst: NS
Chromium	ND	5.0		µg/L	1.0	8/16/01

Qualifiers: ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 DO - Surrogate Diluted Out  
 S - Spike/Surrogate outside of limits due to matrix interference.  
 H - Samples exceeding analytical holding time  
 E - Value above quantitation range  
 M - Not Monitored. Highly Reactive

Initials: RA



**Advanced Technology Laboratories**

Print Date: 8/20/01

**CLIENT:** Applied P & Ch Laboratories **Client Sample ID:** ER-14  
**Lab Order:** 052557  
**Project:** JPL **Collection Date:** 7/30/01 11:20:00 AM  
**Lab ID:** 052557-026A **Matrix:** Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP-MS METALS</b>		<b>EPA 200.8</b>				
RunID: ICP4_010816B	BatchID: 5434			PrepDate: 8/16/01		Analyst: NS
Chromium	ND	5.0		µg/L	1.0	8/16/01

PS

**Qualifiers:** ND - Not Detected at the Reporting Limit S - Spike/Surrogate outside of limits due to matrix interference.  
 J - Analyte detected below quantitation limits H - Samples exceeding analytical holding time  
 B - Analyte detected in the associated Method Blank E - Value above quantitation range **Initials:** RA  
 DO - Surrogate Diluted Out M - Not Monitored. Highly Reactive



**Advanced Technology Laboratories**

Print Date: 8/20/01

CLIENT: Applied P & Ch Laboratories

Client Sample ID: MW-14-4

Lab Order: 052557

Project: JPL

Collection Date: 7/30/01 12:12:00 PM

Lab ID: 052557-027A

Matrix: Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP-MS METALS</b>		<b>EPA 200.8</b>				
RunID: ICP4_010816B	BatchID: 5434			PrepDate: 8/16/01		Analyst: NS
Chromium	ND	5.0		µg/L	1.0	8/16/01

038

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interference.  
H - Samples exceeding analytical holding time  
E - Value above quantitation range  
M - Not Monitored. Highly Reactive

Initials: RA



# Advanced Technology Laboratories

Print Date: 8/20/01

CLIENT: Applied P & Ch Laboratories  
 Lab Order: 052557  
 Project: JPL  
 Lab ID: 052557-028A

Client Sample ID: MW-14-3  
 Collection Date: 7/30/01 12:41:00 PM  
 Matrix: Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP-MS METALS</b>		<b>EPA 200.8</b>				
RunID: ICP4_010816B	BatchID: 5434			PrepDate: 8/16/01		Analyst: NS
Chromium	ND	5.0		µg/L	1.0	8/16/01

Qualifiers: ND - Not Detected at the Reporting Limit      S - Spike/Surrogate outside of limits due to matrix interference.  
 J - Analyte detected below quantitation limits      H - Samples exceeding analytical holding time  
 B - Analyte detected in the associated Method Blank      E - Value above quantitation range      Initials: RA  
 DO - Surrogate Diluted Out      M - Not Monitored. Highly Reactive



**Advanced Technology Laboratories**

Print Date: 8/20/01

CLIENT: Applied P & Ch Laboratories  
Lab Order: 052557  
Project: JPL  
Lab ID: 052557-029A

Client Sample ID: MW-14-2  
Collection Date: 7/30/01 1:22:00 PM  
Matrix: Water

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Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
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<b>ICP-MS METALS</b>		<b>EPA 200.8</b>				
RunID: ICP4_010816B	BatchID: 5434			PrepDate: 8/16/01	Analyst: NS	
Chromium	ND	5.0		µg/L	1.0	8/16/01

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interference.  
H - Samples exceeding analytical holding time  
E - Value above quantitation range  
M - Not Monitored. Highly Reactive

Initials: RA  
30

041



**Advanced Technology Laboratories**

Print Date: 8/20/01

**CLIENT:** Applied P & Ch Laboratories **Client Sample ID:** MW-14-2D  
**Lab Order:** 052557  
**Project:** JPL **Collection Date:** 7/30/01 1:22:00 PM  
**Lab ID:** 052557-030A **Matrix:** Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP-MS METALS</b>		<b>EPA 200.8</b>				
RunID: ICP4_010816B	BatchID: 5434			PrepDate: 8/16/01		Analyst: NS
Chromium	ND	5.0		µg/L	1.0	8/16/01

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike/Surrogate outside of limits due to matrix interference.  
 J - Analyte detected below quantitation limits      H - Samples exceeding analytical holding time  
 B - Analyte detected in the associated Method Blank      E - Value above quantitation range  
 DO - Surrogate Diluted Out      M - Not Monitored. Highly Reactive

**Initials:** RA  
 31



**Advanced Technology Laboratories**

Print Date: 8/20/01

**CLIENT:** Applied P & Ch Laboratories  
**Lab Order:** 052557  
**Project:** JPL  
**Lab ID:** 052557-031A

**Client Sample ID:** MW-14-1  
**Collection Date:** 7/30/01 2:09:00 PM  
**Matrix:** Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP-MS METALS</b>		<b>EPA 200.8</b>				
RunID: ICP4_010816B	BatchID: 5434			PrepDate: 8/16/01		Analyst: NS
Chromium	ND	5.0		µg/L	1.0	8/16/01

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interference.  
H - Samples exceeding analytical holding time  
E - Value above quantitation range  
M - Not Monitored. Highly Reactive

Initials: RA

047



**Advanced Technology Laboratories**

Print Date: 8/20/01

**CLIENT:** Applied P & Ch Laboratories  
**Lab Order:** 052557  
**Project:** JPL  
**Lab ID:** 052557-032A

**Client Sample ID:** ER-23  
**Collection Date:** 7/31/01 8:25:00 AM  
**Matrix:** Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP-MS METALS</b>		<b>EPA 200.8</b>				
RunID: ICP4_010816B	BatchID: 5434			PrepDate: 8/16/01		Analyst: NS
Chromium	ND	5.0		µg/L	1.0	8/16/01

0142

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
DO - Surrogate Diluted Out  
S - Spike/Surrogate outside of limits due to matrix interference.  
H - Samples exceeding analytical holding time  
E - Value above quantitation range  
M - Not Monitored. Highly Reactive

**Initials:** RA



**Advanced Technology Laboratories**

Print Date: 8/20/01

**CLIENT:** Applied P & Ch Laboratories

**Client Sample ID:** MW-23-4

**Lab Order:** 052557

**Project:** JPL

**Collection Date:** 7/31/01 9:17:00 AM

**Lab ID:** 052557-033A

**Matrix:** Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP-MS METALS</b>		<b>EPA 200.8</b>				
RunID: ICP4_010816B	BatchID: 5434			PrepDate: 8/16/01		Analyst: NS
Chromium	ND	5.0		µg/L	1.0	8/16/01

045

- |                    |   |   |
|--------------------|---|---|
| <b>Qualifiers:</b> | ND - Not Detected at the Reporting Limit            | S - Spike/Surrogate outside of limits due to matrix interference. |
|                    | J - Analyte detected below quantitation limits      | H - Samples exceeding analytical holding time                     |
|                    | B - Analyte detected in the associated Method Blank | E - Value above quantitation range                                |
|                    | DO - Surrogate Diluted Out                          | M - Not Monitored. Highly Reactive                                |

**Initials:** RA



**Advanced Technology Laboratories**

Print Date: 8/20/01

**CLIENT:** Applied P & Ch Laboratories

**Client Sample ID:** MW-23-3

**Lab Order:** 052557

**Project:** JPL

**Collection Date:** 7/31/01 9:46:00 AM

**Lab ID:** 052557-034A

**Matrix:** Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP-MS METALS</b>		<b>EPA 200.8</b>				
RunID: ICP4_010816B	BatchID: 5434			PrepDate: 8/16/01		Analyst: NS
Chromium	ND	5.0		µg/L	1.0	8/16/01

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interference.  
 H - Samples exceeding analytical holding time  
 E - Value above quantitation range  
 M - Not Monitored. Highly Reactive

**Initials:** RA



# Advanced Technology Laboratories

Print Date: 8/20/01

CLIENT: Applied P & Ch Laboratories  
 Lab Order: 052557  
 Project: JPL  
 Lab ID: 052557-035A

Client Sample ID: MW-23-2  
 Collection Date: 7/31/01 10:06:00 AM  
 Matrix: Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP-MS METALS</b>		<b>EPA 200.8</b>				
RunID: ICP4_010816B	BatchID: 5434			PrepDate: 8/16/01		Analyst: NS
Chromium	ND	5.0		µg/L	1.0	8/16/01

Qualifiers: ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interference.  
 H - Samples exceeding analytical holding time  
 E - Value above quantitation range  
 M - Not Monitored. Highly Reactive

Initials: RA



**Advanced Technology Laboratories**

Print Date: 8/20/01

CLIENT: Applied P & Ch Laboratories  
 Lab Order: 052557  
 Project: JPL  
 Lab ID: 052557-036A

Client Sample ID: MW-23-1  
 Collection Date: 7/31/01 10:31:00 AM  
 Matrix: Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP-MS METALS</b>		<b>EPA 200.8</b>				
RunID: ICP4_010816B	BatchID: 5434			PrepDate: 8/16/01		Analyst: NS
Chromium	ND	5.0		µg/L	1.0	8/16/01

048

Qualifiers: ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interference.  
 H - Samples exceeding analytical holding time  
 E - Value above quantitation range  
 M - Not Monitored. Highly Reactive

Initials: RA

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**Advanced Technology Laboratories**

Print Date: 8/20/01

**CLIENT:** Applied P & Ch Laboratories  
**Lab Order:** 052557  
**Project:** JPL  
**Lab ID:** 052557-004A

**Client Sample ID:** MW-8  
**Collection Date:** 7/19/01 1:40:00 PM  
**Matrix:** Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP-MS METALS</b>		<b>EPA 200.8</b>				
RunID: ICP4_010816A	BatchID: 5433			PrepDate: 8/16/01		Analyst: NS
Chromium	ND	5.0		µg/L	1.0	8/16/01

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
DO - Surrogate Diluted Out  
S - Spike/Surrogate outside of limits due to matrix interference.  
H - Samples exceeding analytical holding time  
E - Value above quantitation range  
M - Not Monitored. Highly Reactive

Initials: PA



5018

**Advanced Technology Laboratories**

Print Date: 8/20/01

**CLIENT:** Applied P & Ch Laboratories  
**Lab Order:** 052555  
**Project:** JPL  
**Lab ID:** 052555-017A

**Client Sample ID:** MW-16-D  
**Collection Date:** 7/12/01 2:50:00 PM  
**Matrix:** Water

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Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
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**ICP-MS METALS**

**EPA 200.8**

RunID: ICP4_010816C	BatchID: 5430			PrepDate: 8/16/01		Analyst: NS
Chromium	99	50		µg/L	10	8/16/01

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<b>Qualifiers:</b> ND - Not Detected at the Reporting Limit	S - Spike/Surrogate outside of limits due to matrix interference.
J - Analyte detected below quantitation limits	H - Samples exceeding analytical holding time
B - Analyte detected in the associated Method Blank	E - Value above quantitation range
DO - Surrogate Diluted Out	M - Not Monitored. Highly Reactive

**Initials:** RA

089



**Advanced Technology Laboratories**

Print Date: 8/20/01

**CLIENT:** Applied P & Ch Laboratories  
**Lab Order:** 052555  
**Project:** JPL  
**Lab ID:** 052555-016A

**Client Sample ID:** MW-16  
**Collection Date:** 7/12/01 2:50:00 PM  
**Matrix:** Water

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Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
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<b>ICP-MS METALS</b>		<b>EPA 200.8</b>				
RunID: ICP4_010816C	BatchID: 5430			PrepDate: 8/16/01		Analyst: NS
Chromium	130	50		µg/L	10	8/16/01

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<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	S - Spike/Surrogate outside of limits due to matrix interference.
	J - Analyte detected below quantitation limits	H - Samples exceeding analytical holding time
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	M - Not Monitored. Highly Reactive

Initials: RA

028



**Advanced Technology Laboratories**

Print Date: 8/20/01

CLIENT: Applied P & Ch Laboratories  
Lab Order: 052555  
Project: JPL  
Lab ID: 052555-015A

Client Sample ID: MW-5-D  
Collection Date: 7/12/01 1:35:00 PM  
Matrix: Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP-MS METALS</b>		<b>EPA 200.8</b>				
RunID: ICP4_010816C	BatchID: 5430			PrepDate: 8/16/01		Analyst: NS
Chromium	ND	5.0		µg/L	1.0	8/16/01

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interference.  
H - Samples exceeding analytical holding time.  
E - Value above quantitation range  
M - Not Monitored. Highly Reactive

Initials: RA



**Advanced Technology Laboratories**

Print Date: 8/20/01

CLIENT: Applied P & Ch Laboratories  
 Lab Order: 052555  
 Project: JPL  
 Lab ID: 052555-014A

Client Sample ID: MW-5  
 Collection Date: 7/12/01 1:35:00 PM  
 Matrix: Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
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**ICP-MS METALS**

**EPA 200.8**

RunID: ICP4\_010816C      BatchID: 5430      PrepDate: 8/16/01      Analyst: NS

Chromium	ND	5.0		µg/L	1.0	8/16/01
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**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interference.  
 H - Samples exceeding analytical holding time  
 E - Value above quantitation range  
 M - Not Monitored. Highly Reactive

Initials: RA

026



**Advanced Technology Laboratories**

Print Date: 8/20/01

<b>CLIENT:</b> Applied P & Ch Laboratories	<b>Client Sample ID:</b> MW-6
<b>Lab Order:</b> 052555	
<b>Project:</b> JPL	<b>Collection Date:</b> 7/11/01 4:10:00 PM
<b>Lab ID:</b> 052555-013A	<b>Matrix:</b> Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
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<b>ICP-MS METALS</b>				<b>EPA 200.8</b>		
RunID: ICP4_010816D	BatchID: 5432			PrepDate: 8/16/01		Analyst: NS
Chromium	21	20		µg/L	4.0	8/16/01

<b>Qualifiers:</b> ND - Not Detected at the Reporting Limit	S - Spike/Surrogate outside of limits due to matrix interference.
J - Analyte detected below quantitation limits	H - Samples exceeding analytical holding time
B - Analyte detected in the associated Method Blank	E - Value above quantitation range
DO - Surrogate Diluted Out	M - Not Monitored. Highly Reactive

**Initials:** RA  
 [Handwritten initials]



# Advanced Technology Laboratories

Print Date: 8/20/01

**CLIENT:** Applied P & Ch Laboratories **Client Sample ID:** MW-13  
**Lab Order:** 052555  
**Project:** JPL **Collection Date:** 7/11/01 2:35:00 PM  
**Lab ID:** 052555-012A **Matrix:** Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP-MS METALS</b>		<b>EPA 200.8</b>				
RunID: ICP4_010816C	BatchID: 5430			PrepDate: 8/16/01		Analyst: NS
Chromium	14	5.0		µg/L	1.0	8/16/01

**Qualifiers:** ND - Not Detected at the Reporting Limit S - Spike/Surrogate outside of limits due to matrix interference.  
J - Analyte detected below quantitation limits H - Samples exceeding analytical holding time  
B - Analyte detected in the associated Method Blank E - Value above quantitation range **Initials:** RA  
DO - Surrogate Diluted Out M - Not Monitored. Highly Reactive



# Advanced Technology Laboratories

Print Date: 8/20/01

CLIENT: Applied P & Ch Laboratories

Client Sample ID: MW-10

Lab Order: 052555

Project: JPL

Collection Date: 7/11/01 12:07:00 PM

Lab ID: 052555-009A

Matrix: Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
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## ICP-MS METALS

## EPA 200.8

RunID: ICP4\_010816C

BatchID: 5430

PrepDate: 8/16/01

Analyst: NS

Chromium

16

5.0

µg/L

1.0

8/16/01

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interference.

H - Samples exceeding analytical holding time

E - Value above quantitation range

M - Not Monitored. Highly Reactive

Initials: RA

0201



Advanced Technology  
Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

# Advanced Technology Laboratories

Print Date: 8/20/01

CLIENT: Applied P & Ch Laboratories  
Lab Order: 052555  
Project: JPL  
Lab ID: 052555-010A

Client Sample ID: MW-10-D  
Collection Date: 7/11/01 12:07:00 PM  
Matrix: Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS		EPA 200.8				
RunID: ICP4_010816C	BatchID: 5430			PrepDate: 8/16/01		Analyst: NS
Chromium	20	5.0		µg/L	1.0	8/16/01

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interference.  
H - Samples exceeding analytical holding time  
E - Value above quantitation range  
M - Not Monitored. Highly Reactive

Initials: RA

002



Advanced Technology  
Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040