Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result MW-18-4 01-04536-4	MW-18-5 01-04536-5	Trip Blank 01-04536-6
Hexachlorobutadiene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Isopropylbenzene (Cumene)	524.2	µg/L	0.5	<0.5	<0.5	<0.5
p-Isopropyltoluene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Methylene chloride	524.2	µg/L	1	<1	<1	2
Methyl-t-Butyl ether (MTBE)	524.2	µg/L	1	<1	<1	<1
Naphthalene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
n-Propylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Styrene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1,1,2-Tetrachloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Tetrachloroethene	524.2	µg/L	0.5	1.6	<0.5	<0.5
Toluene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2,3-Trichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2,4-Trichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Trichloroethene	524.2	µg/L	0.5	1.1	<0.5	<0.5
Trichlorofluoromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2,3-Trichloropropane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2,4-Trimethylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Vinyl chloride	524.2	µg/L	0.5	<0.5	<0.5	<0.5
o-Xylene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
m/p-Xylene	524.2	µg/L	0.5	<0.5	<0.5	<0.5

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit
N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.
J: Reported between PQL and MDL.
Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Respectfully submitted,

Dominic Lau
Laboratory Director
Applied P & Ch Laboratory

APCL

Applied P & Ch Laboratory

13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

Chain of Custody

Please Print in pen Page 1 of 1

Client: SOTA ENVIRONMENTAL Contact: PAUL JEFFERS Tel #: 858 485-8100 Fax #: 858 485-0812

Address: 16835 W. BERNARDO #212 City: SAN DIEGO State: CA Zip code: 92127

Bill to: SAME

Project Name/Code JPL Job #001W019 P.O. #

Project Address APCL Quotation #

Due Date: ☒ regular ☐ rush: ___ days ___ hours Sampled by:

Field Sample ID No.	Sample Description	Date Collected	Time Collected	Sample Matrix	Preservation	# of Containers	VOC 524.2	TOTAL Cr 200.8	Cr VI 7196	Perchlorate EPA 314	Remarks
	MW-18-5	7/5	1340	H_2O	PER LAB	4	X			X	
	MW-18-4	7/5	1415	H_2O	PER LAB	5	X	X	X	X	QA/QC
	MW-18-3	7/5	1450	H_2O	PER LAB	5	X	X	X	X	REQUIREMENT
	MW-18-2	7/5	1515	H_2O	PER LAB	5	X	X	X	X	EPA LEVEL
	ER-18	7/5	1435	H_2O	PER LAB	5	X	X	X	X	IV (D)
	TRIP BLANK	7/5	—	H_2O	HCl	2	X				

4536

White – With report
Yellow – Lab copy
Pink – Originator

QC Requirement: ☐Regular; ☐QA/QC Report; ☐WIP; ☐Raw Data; ☐Extended Raw Data ☐CLP; ☐ACE ☐AFCEE ☐NEESA ___(E, C or D); ☐Other _____(Please specify)

Sample Disposal: ☐Return ☐Disposal by APCL ☐Hold for _____ days after receiving date. **If not specified, samples will be discarded 45 days after samples are received.**

Sample Conditions: ☐Intact; ☐Broken: Cooler Seal: ☐Intact; ☐Broken; ☐None. Tag # _____ Temperature: ☐Room ☐Cold (_____ °C).

Relinquished by [signature] Date/Time 7/5/01 / 1700 Received by [signature] Date/Time 7/05/01 / 1700

Relinquished by Date/Time / Received by Date/Time /

APCL USE ONLY Service # Note:

Clients understand that all terms described in the proposals, quotations for this project, and/or the general terms provided in the current APCL price schedules will be followed. APCL reserves the right to terminate its service or withhold delivery of any reports, if in APCL's sole discretion the terms of the project have been broken.

APCL Form 4-101, Ver. 4.0, Dec. 20, 1994.

Root-file:[CUST.DATA.LAB]CHAIN_ROOT.TEX File:[CUST.DATA.LAB]CHAIN.TEX

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
SOTA Environmental
Attention: Yu Zeng
16835 W. Bernardo Dr, Ste. 212
San Diego CA 92127
Tel: (858)485-8100 Fax: (858)485-0812

Service ID #: 801-014536
Collected by:
Collected on: 07/05/01

Received: 07/05/01
Extracted: N/A
Tested: 07/5-8/8/01
Revised: 08/09/01

Sample Description:
Project Description: 00HW019 JPL

Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	Analysis Result ER-18 01-04536-1	MW-18-2 01-04536-2	MW-18-3 01-04536-3
Perchlorate	E314	µg/L	4	<4	<4	<4
Chromium (VI)	7196	mg/L	0.01	<0.01	<0.01	<0.01
Volatile Organic Compounds						
Dilution Factor				1 [a]	1	1
Carbon tetrachloride	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chloroform	524.2	µg/L	0.5	<0.5	<0.5	1.8
1,1-Dichloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Tetrachloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Trichloroethene	524.2	µg/L	0.5	<0.5	0.8	0.4J
1,1,2-Trichlorotrifluoroethane	524.2	µg/L	1	<1	<1	<1

Component Analyzed	Method	Unit	PQL	Analysis Result MW-18-4 01-04536-4	MW-18-5 01-04536-5	Trip Blank 01-04536-6
Perchlorate	E314	µg/L	4	25	<4	-
Chromium (VI)	7196	mg/L	0.01	<0.01	<0.01	-
Volatile Organic Compounds						
Dilution Factor				1	1	1
Carbon tetrachloride	524.2	µg/L	0.5	3.7	<0.5	<0.5
Chloroform	524.2	µg/L	0.5	0.7	<0.5	<0.5
1,1-Dichloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Methylene chloride	524.2	µg/L	1	-	-	2

161588

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result MW-18-4 01-04536-4	MW-18-5 01-04536-5	Trip Blank 01-04536-6
Tetrachloroethene	524.2	µg/L	0.5	1.6	<0.5	<0.5
Trichloroethene	524.2	µg/L	0.5	1.1	<0.5	<0.5
1,1,2-Trichlorotrifluoroethane	524.2	µg/L	1	<1	<1	<1

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit

N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.

J: Reported between PQL and MDL.

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

(a) Re-analyzed on 08/08/01.

Respectfully submitted,

Dominic Lau
Laboratory Director
Applied P & Ch Laboratory

Advanced Technology Laboratories

Print Date: *8/20/01*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-18-4
Lab Order:	052555		
Project:	JPL	**Collection Date:**	7/5/01 2:15:00 PM
Lab ID:	052555-001A	**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	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

013

Advanced Technology Laboratories

Print Date: *8/20/01*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-18-3
Lab Order:	052555		
Project:	JPL	**Collection Date:**	7/5/01 2:50:00 PM
Lab ID:	052555-002A	**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	6.5	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

014

Advanced Technology Laboratories

Print Date: *8/20/01*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-18-2
Lab Order:	052555		
Project:	JPL	**Collection Date:**	7/5/01 3:15:00 PM
Lab ID:	052555-003A	**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	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-18
Lab Order:	052555		
Project:	JPL	**Collection Date:**	7/5/01 2:35:00 PM
Lab ID:	052555-004A	**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	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:**	MW-17-4
Lab Order:	052555		
Project:	JPL	**Collection Date:**	7/6/01 11:25:00 AM
Lab ID:	052555-005A	**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	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:**	MW-17-3
Lab Order:	052555		
Project:	JPL	**Collection Date:**	7/6/01 11:55:00 AM
Lab ID:	052555-006A	**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	5.0	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

018

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:**	M-17-2
Lab Order:	052555		
Project:	JPL	**Collection Date:**	7/6/01 12:25:00 PM
Lab ID:	052555-007A	**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	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 *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:**	ER-17
Lab Order:	052555		
Project:	JPL	**Collection Date:**	7/6/01 11:35:00 AM
Lab ID:	052555-008A	**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	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 09

Advanced Technology Laboratories

Print Date: *8/20/01*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-20-5
Lab Order:	052555		
Project:	JPL	**Collection Date:**	7/11/01 12:35:00 PM
Lab ID:	052555-011A	**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	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

023

Advanced Technology Laboratories

Print Date: *8/20/01*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-3-4
Lab Order:	052555		
Project:	JPL	**Collection Date:**	7/13/01 9:25:00 AM
Lab ID:	052555-018A	**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	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

1930

Advanced Technology Laboratories

Print Date: *8/20/01*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-3-3
Lab Order:	052555		
Project:	JPL	**Collection Date:**	7/13/01 9:55:00 AM
Lab ID:	052555-019A	**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	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

231

Advanced Technology Laboratories

Print Date: *8/20/01*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-3-2
Lab Order:	052555		
Project:	JPL	**Collection Date:**	7/13/01 10:20:00 AM
Lab ID:	052555-020A	**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	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

032

Advanced Technology Laboratories

Print Date: *8/20/01*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	ER-3
Lab Order:	052555		
Project:	JPL	**Collection Date:**	7/13/01 9:30:00 AM
Lab ID:	052555-021A	**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	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

023

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-20-4
Lab Order:	052555		
Project:	JPL	**Collection Date:**	7/16/01 10:35:00 AM
Lab ID:	052555-022A	**Matrix:**	Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**			
RunID: **ICP4_010816D** BatchID: **5432**				PrepDate: **8/16/01**		Analyst: **NS**
Chromium	ND	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

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-20-3
Lab Order:	052555		
Project:	JPL	**Collection Date:**	7/16/01 11:10:00 AM
Lab ID:	052555-023A	**Matrix:**	Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**			
RunID: **ICP4_010816D** BatchID: **5432**				PrepDate: **8/16/01**		Analyst: **NS**
Chromium	ND	5.0		µg/L	1.0	8/16/01

035

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 *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-20-2
Lab Order:	052555		
Project:	JPL	**Collection Date:**	7/16/01 11:50:00 AM
Lab ID:	052555-024A	**Matrix:**	Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**			
RunID: **ICP4_010816D** BatchID: **5432**				PrepDate: **8/16/01**		Analyst: **NS**
Chromium	ND	5.0		µg/L	1.0	8/16/01

C3C

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:_____

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-20-1
Lab Order:	052555		
Project:	JPL	**Collection Date:**	7/16/01 12:25:00 PM
Lab ID:	052555-025A	**Matrix:**	Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**			
RunID: **ICP4_010816D**	BatchID: **5432**			PrepDate: **8/16/01**		Analyst: **NS**
Chromium	ND	5.0		µg/L	1.0	8/16/01

037

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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Print Date: *8/20/01*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	ER-20
Lab Order:	052555		
Project:	JPL	**Collection Date:**	7/16/01 11:25:00 AM
Lab ID:	052555-026A	**Matrix:**	Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**			
RunID: **ICP4_010816D** BatchID: **5432**				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

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Advanced Technology Laboratories

Print Date: *8/20/01*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-22-2
Lab Order:	052557		
Project:	JPL	**Collection Date:**	7/19/01 11:15:00 AM
Lab ID:	052557-001A	**Matrix:**	Water

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

Qualifiers:

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- 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	**Client Sample ID:**	MW-22-1
Lab Order:	052557		
Project:	JPL	**Collection Date:**	7/19/01 12:00:00 PM
Lab ID:	052557-002A	**Matrix:**	Water

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

Qualifiers:

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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	**Client Sample ID:**	ER-22
Lab Order:	052557		
Project:	JPL	**Collection Date:**	7/19/01 10:30:00 PM
Lab ID:	052557-003A	**Matrix:**	Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**			
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.
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Initials: RA

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Advanced Technology Laboratories

Print Date: *8/20/01*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	ER-11
Lab Order:	052557		
Project:	JPL	**Collection Date:**	7/20/01 9:40:00 AM
Lab ID:	052557-005A	**Matrix:**	Water

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

Qualifiers:

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- 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	**Client Sample ID:**	MW-11-3
Lab Order:	052557		
Project:	JPL	**Collection Date:**	7/20/01 10:53:00 AM
Lab ID:	052557-006A	**Matrix:**	Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**			
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

Print Date: *8/20/01*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-11-2
Lab Order:	052557		
Project:	JPL	**Collection Date:**	7/20/01 11:16:00 AM
Lab ID:	052557-007A	**Matrix:**	Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**			
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	**Client Sample ID:**	MW-11-1
Lab Order:	052557		
Project:	JPL	**Collection Date:**	7/20/01 11:42:00 AM
Lab ID:	052557-008A	**Matrix:**	Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**			
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

8120

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Advanced Technology Laboratories

Print Date: *8/20/01*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	ER-12
Lab Order:	052557		
Project:	JPL	**Collection Date:**	7/25/01 11:00:00 AM
Lab ID:	052557-009A	**Matrix:**	Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**			
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

Print Date: *8/20/01*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-12-3
Lab Order:	052557		
Project:	JPL	**Collection Date:**	7/25/01 12:16:00 PM
Lab ID:	052557-010A	**Matrix:**	Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**			
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 11122

Advanced Technology Laboratories

Print Date: *8/20/01*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-12-2
Lab Order:	052557		
Project:	JPL	**Collection Date:**	7/25/01 12:45:00 PM
Lab ID:	052557-011A	**Matrix:**	Water

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

012

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	**Client Sample ID:**	MW-12-1
Lab Order:	052557		
Project:	JPL	**Collection Date:**	7/25/01 1:18:00 PM
Lab ID:	052557-012A	**Matrix:**	Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**			
RunID: **ICP4_010816A** BatchID: **5433**				PrepDate: **8/16/01**		Analyst: **NS**
Chromium	8.8	5.0		µg/L	1.0	8/16/01

12

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	**Client Sample ID:**	ER-24
Lab Order:	052557		
Project:	JPL	**Collection Date:**	7/26/01 11:25:00 AM
Lab ID:	052557-013A	**Matrix:**	Water

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

025

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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Print Date: *8/20/01*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-24-4
Lab Order:	052557		
Project:	JPL	**Collection Date:**	7/26/01 11:50:00 AM
Lab ID:	052557-014A	**Matrix:**	Water

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**			
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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