APCL

Applied Physics & Chemistry Laboratory

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

March 22, 2004

GEOFON, Inc.
Attention: Brad Shojaee
22632 Golden Spring Dr Ste 270
Diamond Bar CA 91765

Dear Brad,

This package contains samples in our Service ID 04-1808 and your project : 04-4428.10 JPL-GW Mon.-1Q4.
Enclosed please find:

(1) Original analytical report.
(2) Original Chain of Custody.
(3) One diskette containing EDD deliverable.
(4) One original Level C Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Regina Kirakozova
Associate QA/QC Director
Applied P & Ch Laboratory

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

APCL Analytical Report

Submitted to:
GEOFON, Inc.
Attention: Brad Shojaee
22632 Golden Spring Dr Ste 270
Diamond Bar CA 91765
Tel: (909)396-7662 Fax: (909)396-1455

Service ID #: 801-041808
Collected by: TM/JR
Collected on: 02/25/04

Received: 02/25/04
Extracted: N/A
Tested: 02/25-03/05/04
Reported: 03/16/04

Sample Description: Water
Project Description: 04-4428.10 JPL-GW Mon-1Q04

Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	Analysis Result MW-7 04-01808-1	MW-8 04-01808-2
CHROMIUM (VI)	7196	mg/L	0.01	<0.01	<0.01
Dilution Factor				50	1
PERCHLORATE	314.0	µg/L	4	1,630	32.6
VOLATILE ORGANIC COMPOUNDS					
Dilution Factor				1	1
BENZENE	524.2	µg/L	0.5	<0.5	<0.5
BROMOBENZENE	524.2	µg/L	0.5	<0.5	<0.5
BROMOCHLOROMETHANE	524.2	µg/L	0.5	<0.5	<0.5
BROMODICHLOROMETHANE	524.2	µg/L	0.5	<0.5	<0.5
BROMOFORM	524.2	µg/L	0.5	<0.5	<0.5
BROMOMETHANE	524.2	µg/L	0.5	<0.5	<0.5
N-BUTYLBENZENE	524.2	µg/L	0.5	<0.5	<0.5
SEC-BUTYLBENZENE	524.2	µg/L	0.5	<0.5	<0.5
TERT-BUTYLBENZENE	524.2	µg/L	0.5	<0.5	<0.5
2-BUTANONE	524.2	µg/L	10	<10	<10
CARBON TETRACHLORIDE	524.2	µg/L	0.5	1.8	0.8
CHLOROBENZENE	524.2	µg/L	0.5	<0.5	<0.5
CHLORODIBROMOMETHANE	524.2	µg/L	0.5	<0.5	<0.5
CHLOROETHANE	524.2	µg/L	0.5	<0.5	<0.5
CHLOROFORM	524.2	µg/L	0.5	3.1	0.5J
CHLOROMETHANE	524.2	µg/L	0.5	<0.5	<0.5
2-CHLOROTOLUENE	524.2	µg/L	0.5	<0.5	<0.5
4-CHLOROTOLUENE	524.2	µg/L	0.5	<0.5	<0.5
1,2-DIBROMO-3-CHLOROPROPANE	524.2	µg/L	0.5	<0.5	<0.5
1,2-DIBROMOETHANE (EDB)	524.2	µg/L	0.5	<0.5	<0.5
DIBROMOMETHANE	524.2	µg/L	0.5	<0.5	<0.5
1,2-DICHLOROBENZENE	524.2	µg/L	0.5	<0.5	<0.5
1,3-DICHLOROBENZENE	524.2	µg/L	0.5	<0.5	<0.5
1,4-DICHLOROBENZENE	524.2	µg/L	0.5	<0.5	<0.5
DICHLORODIFLUOROMETHANE	524.2	µg/L	0.5	<0.5	<0.5
1,1-DICHLOROETHANE	524.2	µg/L	0.5	<0.5	<0.5
1,2-DICHLOROETHANE	524.2	µg/L	0.5	<0.5	<0.5
1,1-DICHLOROETHENE	524.2	µg/L	0.5	<0.5	<0.5
CIS-1,2-DICHLOROETHENE	524.2	µg/L	0.5	<0.5	<0.5

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result MW-7 04-01808-1	MW-8 04-01808-2
TRANS-1,2-DICHLOROETHENE	524.2	µg/L	0.5	<0.5	<0.5
1,2-DICHLOROPROPANE	524.2	µg/L	0.5	<0.5	<0.5
1,3-DICHLOROPROPANE	524.2	µg/L	0.5	<0.5	<0.5
2,2-DICHLOROPROPANE	524.2	µg/L	0.5	<0.5	<0.5
1,1-DICHLOROPROPENE	524.2	µg/L	0.5	<0.5	<0.5
CIS-1,3-DICHLOROPROPENE	524.2	µg/L	0.5	<0.5	<0.5
TRANS-1,3-DICHLOROPROPENE	524.2	µg/L	0.5	<0.5	<0.5
ETHYLBENZENE	524.2	µg/L	0.5	<0.5	<0.5
HEXACHLOROBUTADIENE	524.2	µg/L	0.5	<0.5	<0.5
ISOPROPYLBENZENE (CUMENE)	524.2	µg/L	0.5	<0.5	<0.5
P-ISOPROPYLTOLUENE	524.2	µg/L	0.5	<0.5	<0.5
METHYLENE CHLORIDE	524.2	µg/L	0.5	<0.5	<0.5
METHYL-T-BUTYL ETHER (MTBE)	524.2	µg/L	1	<1	<1
4-METHYL-2-PENTANONE (MIBK)	524.2	µg/L	10	<10	<10
NAPHTHALENE	524.2	µg/L	0.5	<0.5	<0.5
N-PROPYLBENZENE	524.2	µg/L	0.5	<0.5	<0.5
STYRENE	524.2	µg/L	0.5	<0.5	<0.5
1,1,1,2-TETRACHLOROETHANE	524.2	µg/L	0.5	<0.5	<0.5
1,1,2,2-TETRACHLOROETHANE	524.2	µg/L	0.5	<0.5	<0.5
TETRACHLOROETHENE	524.2	µg/L	0.5	<0.5	<0.5
TOLUENE	524.2	µg/L	0.5	<0.5	<0.5
1,2,3-TRICHLOROBENZENE	524.2	µg/L	0.5	<0.5	<0.5
1,2,4-TRICHLOROBENZENE	524.2	µg/L	0.5	<0.5	<0.5
1,1,1-TRICHLOROETHANE	524.2	µg/L	0.5	<0.5	<0.5
1,1,2-TRICHLOROETHANE	524.2	µg/L	0.5	<0.5	<0.5
TRICHLOROETHENE	524.2	µg/L	0.5	0.6	0.6
TRICHLOROFLUOROMETHANE	524.2	µg/L	0.5	<0.5	<0.5
1,2,3-TRICHLOROPROPANE	524.2	µg/L	0.5	<0.5	<0.5
112TRICHLORO-122TRIFLUOROETHANE	524.2	µg/L	0.5	<0.5	<0.5
1,2,4-TRIMETHYLBENZENE	524.2	µg/L	0.5	<0.5	<0.5
1,3,5-TRIMETHYLBENZENE	524.2	µg/L	0.5	<0.5	<0.5
VINYL CHLORIDE	524.2	µg/L	0.5	<0.5	<0.5
O-XYLENE	524.2	µg/L	0.5	<0.5	<0.5
M/P-XYLENE	524.2	µg/L	0.5	<0.5	<0.5

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result MW-10 04-01808-3	MW-16 04-01808-4	TB-10-2/25/04 04-01808-5
CHROMIUM (VI)	7196	mg/L	0.01	<0.01	<0.01	-
Dilution Factor				1	200	1
PERCHLORATE	314.0	µg/L	4	5.1	7,690	-
VOLATILE ORGANIC COMPOUNDS						
Dilution Factor				1	1	1
BENZENE	524.2	µg/L	0.5	<0.5	<0.5	<0.5
BROMOBENZENE	524.2	µg/L	0.5	<0.5	<0.5	<0.5
BROMOCHLOROMETHANE	524.2	µg/L	0.5	<0.5	<0.5	<0.5
BROMODICHLOROMETHANE	524.2	µg/L	0.5	<0.5	<0.5	<0.5
BROMOFORM	524.2	µg/L	0.5	<0.5	<0.5	<0.5
BROMOMETHANE	524.2	µg/L	0.5	<0.5	<0.5	<0.5
N-BUTYLBENZENE	524.2	µg/L	0.5	<0.5	<0.5	<0.5
SEC-BUTYLBENZENE	524.2	µg/L	0.5	<0.5	<0.5	<0.5
TERT-BUTYLBENZENE	524.2	µg/L	0.5	<0.5	<0.5	<0.5
2-BUTANONE	524.2	µg/L	10	<10	<10	<10
CARBON TETRACHLORIDE	524.2	µg/L	0.5	<0.5	94.7 [a]	<0.5
CHLOROBENZENE	524.2	µg/L	0.5	<0.5	<0.5	<0.5
CHLORODIBROMOMETHANE	524.2	µg/L	0.5	<0.5	<0.5	<0.5
CHLOROETHANE	524.2	µg/L	0.5	<0.5	<0.5	<0.5
CHLOROFORM	524.2	µg/L	0.5	0.9	26.3	<0.5
CHLOROMETHANE	524.2	µg/L	0.5	<0.5	<0.5	<0.5
2-CHLOROTOLUENE	524.2	µg/L	0.5	<0.5	<0.5	<0.5
4-CHLOROTOLUENE	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-DIBROMO-3-CHLOROPROPANE	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-DIBROMOETHANE (EDB)	524.2	µg/L	0.5	<0.5	<0.5	<0.5
DIBROMOMETHANE	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-DICHLOROBENZENE	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,3-DICHLOROBENZENE	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,4-DICHLOROBENZENE	524.2	µg/L	0.5	<0.5	<0.5	<0.5
DICHLORODIFLUOROMETHANE	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1-DICHLOROETHANE	524.2	µg/L	0.5	0.8	<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	10.5	<0.5
CIS-1,2-DICHLOROETHENE	524.2	µg/L	0.5	<0.5	<0.5	<0.5
TRANS-1,2-DICHLOROETHENE	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-DICHLOROPROPANE	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,3-DICHLOROPROPANE	524.2	µg/L	0.5	<0.5	<0.5	<0.5
2,2-DICHLOROPROPANE	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1-DICHLOROPROPENE	524.2	µg/L	0.5	<0.5	<0.5	<0.5
CIS-1,3-DICHLOROPROPENE	524.2	µg/L	0.5	<0.5	<0.5	<0.5
TRANS-1,3-DICHLOROPROPENE	524.2	µg/L	0.5	<0.5	<0.5	<0.5

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result MW-10 04-01808-3	MW-16 04-01808-4	TB-10-2/25/04 04-01808-5
ETHYLBENZENE	524.2	μg/L	0.5	<0.5	<0.5	<0.5
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	0.5	<0.5	<0.5	<0.5
METHYL-T-BUTYL ETHER (MTBE)	524.2	μg/L	1	<1	<1	<1
4-METHYL-2-PENTANONE (MIBK)	524.2	μg/L	10	<10	<10	<10
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	1.7	30.2	<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	4.9	8.2	<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
112TRICHLORO-122TRIFLUOROETHANE	524.2	μg/L	0.5	<0.5	8.6	<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
(a) Analyzed with a dilution factor of 5.

Respectfully submitted,

Dominic Lau
Laboratory Director
Applied P & Ch Laboratory

Level C Data Package Deliverables

General Information

Project: 04-4428.10 JPL-GW Mon-1Q04

APCL Service ID: 04-1808

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

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

Case Narrative

Project: JPL-GW Mon-1Q04/04-4428.10

For GEOFON, Inc.

APCL Service No: 04-1808

1. Sample Identification

The sample identifications are listed in the following table:

GEOFON, Inc. Sample ID	APCL Sample ID
MW-10	04-01808-3
MW-8	04-01808-2
MW-7	04-01808-1
MW-16	04-01808-4
TB-10-2/25/04	04-01808-5

2. Analytical Methodology

Samples are analyzed by EPA methods

524.2 (Volatile Organic Compounds),
7196A (Chromium (VI)),
314.0 (Perchlorate, low level),

3. Holding Time

All samples were extracted, digested and analyzed within the holding times defined by the appropriate EPA methods of the analyses.

4. Preservation

All samples were preserved and stored according to the appropriate EPA methods.

5. Tele-log

None

6. Anomaly

None

"I certify that these data are technically accurate, complete, and in compliance with the terms and conditions of the contract, for other than the conditions detailed above. Release of the data contained in the hardcopy data package and its electronic data deliverable submitted on diskette had been authorized by the Laboratory Manager or her/his designee, as verified by the following signature."

Respectfully submitted,

Regina Kirakozova
Associate QA/QC Director
Applied P & Ch Laboratory

GEOFON INCORPORATED
22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

Shallow Wells 0091

GEOFON's LAB COORDINATOR: Brad Shojaee	LAB COORDINATOR'S PHONE: 909 396 7662	LAB COORDINATOR'S FAX: 909 396 1455	LABORATORY SERVICE ID	LABORATORY CONTACT: Kenny Chan	MAIL REPORT (COMPANY NAME): GEOFON
PROJECT NAME: JPL - GW Mon - 2004	PROJECT LOCATION: MW-10, MW-8, MW-7, MW-16	PROJECT NUMBER: 04-4428.10	LABORATORY PHONE: 909 590 1828	LABORATORY FAX: 909 590 1498	RECIPIENT NAME: Tony Ford
PROJECT CONTACT: Scott Brehmer	PROJECT PHONE NUMBER: 909 396 7662	PROJECT FAX: 909 396 1455	LABORATORY ADDRESS: 13760 Magnolia Ave.		ADDRESS: 22632 Golden Springs Dr., Ste 270
PROJECT ADDRESS: 4800 Oak Grove Dr.	CITY, STATE AND ZIPCODE: Pasadena, CA	CLIENT: US NAVY SWDIV	CITY, STATE AND ZIPCODE: Chino, CA 91710		CITY, STATE AND ZIPCODE: Diamond Bar, CA 91765
PROJECT MANAGER: Tony Ford	PROJECT MANAGER'S PHONE: 909 396 7662	PROJECT MANAGER'S FAX: 909 396 1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses: 524.2 (VOCs)	314.0 (ClO4-)	200.8 (Cr)	7196A (Cr VI)					Comments
1	MW-10	W	2/25/04	0720	HCl HNO3 None	10	III	Normal	X	X	X	X					MS/MSD
2	MW-8			0840		5			X	X	X	X					
3	MW-7			0957		5			X	X	X	X					
4	MW-16			1059		5			X	X	X	X					
5	TB-10-2/25/04			—	HCl	2			X								
6																	
7								2.25.04									
8								a.									
9																	
10																	

180

SAMPLES COLLECTED BY: TM + JN

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	2-25-04	1350	
[signature]	[signature]	2-25-04	1545	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

March 17, 2004

APR 2 3 2004

Kenny Chan
Applied P & Ch Laboratories
13760 Magnolia Ave.
Chino, CA 91710
TEL: (909) 590-1828
FAX: (909) 590-1498

RE: JPL-GW-Mon-IQ04, 04-4428.10

Attention: Kenny Chan

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 067776

Enclosed are the results for sample(s) received on March 11, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

This cover letter and a case narrative are an integral part of this analytical report.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Applied P & Ch Laboratories
Project: JPL-GW Mon.-IQ04, 04.4428.10

ATL Work Order: 067776

Table of Contents

ATL Work Order: 067776

Item	Pages
Cover Letter	0001 - 0002
Sample Receiving Items	0003 - 0007
Analytical Result Reports	0008 - 0040
Quality Control Reports	0041 - 0044
Raw Data:	
Method 200.8	0045-0204

CLIENT: Applied P & Ch Laboratories
Project: JPL-GW-Mon-IQ04, 04-4428.10
Lab Order: 067776

CASE NARRATIVE

Results were J-Flag. "J" is used to flag those results that are between the PQL (Practical Quantitation Limit) and the calculated MDL (Method Detection Limit). Results that are "J" flagged are estimated values since it becomes difficult to accurately quantitate the analyte near the MDL.

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Applied P & Ch Laboratory

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Tel: (909) 590-1828 Fax: (909) 590-1498

Subcontract Chain of Custody

Please Print in pen

Subcontract Lab: ATL
Contact: Rui
Tel #: (562) 989-4045 Fax #: (562) 989-4040
Address: 3275 Walnut Avenue
City: Signal Hill
State: CA
Zip code: 90807
APCL Client: 04-1874
APCL Contact: Kenny Chan
Project Name/Code: JPL-GW-Non-1Q04
Job # 04-4428.10
BILL TO APCL
Sub Quotation #
Due Date: ☒ regular ☐ rush: ___ days ___ hours
Sampled by: J.R.

Analysis Items

White – With report
Yellow – Lab copy
Pink – Originator

Field Sample ID No.	Sample Description	Date Collected	Time Collected	Sample Matrix	Preservation	# of Containers	1208 Cr											Remarks
	MW-10	2/25/04	0720	W	HNO3	2x500ml	X											← MS/MSD
	MW-8		0840			1x500ml	X											Level 4 Package
	MW-7		0957				X											and EDD
	MW-16		1259				X											
	MW-5	2/24/04	0756			2x500ml	X											← MS/MSD
	MW-15		0917			1x500ml	X											
	MW-13		1059				X											
	MW-6		1232				X											
	MW-12-3	2/23/04	1215				X											
	MW-12-2		1241				X											
	MW-12-1		1310				X											
	MW-24-2		0936			2x500ml	X											← MS/MSD
	MW-22-3		0731			1x500ml	X											
	MW-22-2		0800				X											
	MW-22-1		0828				X											

QC Requirement: ☐ Regular; ☐ QA/QC Report; ☐ WIP; ☐ Raw Data; ☐ Extended Raw Data ☐ CLP; ☐ ACE ☐ AFCEE ☒ NEESA 2 (E, C or D); ☐ Other EDD (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 (5-6 °C).

Relinquished by [signature] Date/Time 3/11/04 / 0830 Received by [signature] Date/Time 3-11-04 / 1:15

Relinquished by [signature] Date/Time 3/11/04 / 1442 Received by [signature] Date/Time 3/11/04 / 2:45

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.

Applied P & Ch Laboratory

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

Subcontract Chain of Custody

Please Print in pen

Subcontract Lab: ATL
Contact: Ruri
Tel #: (562) 989-4045 Fax #: (562) 989-4040
Address: 3275 Walnut Avenue
City: Signal Hill
State: CA
Zip code: 90807
APCL Client: 04-1874
APCL Contact: Kenny Chan
Project Name/Code JPL-GW Mon-1Q04
Job # 04-4428.10
BILL TO APCL
Sub Quotation #
Due Date: ☒ regular ☐ rush: ___ days ___ hours
Sampled by: J.R.

White – With report
Yellow – Lab copy
Pink – Originator

Field Sample ID No.	Sample Description	Date Collected	Time Collected	Sample Matrix	Preservation	# of Containers	200.8 Cr	Remarks
	EB-8-2/23/04	2/23/04	1227	W	HNO3	1x500ml	X	
	MW-11-3	2/19/04	1033				X	Level 4 Package
	MW-11-2		1058				X	and EDD
	MW-11-1		1125				X	
	MW-4-3		0715			2x500ml	X	← MS/MSD
	MW-4-2		0756			1x500ml	X	
	MW-4-1		0825				X	
	EB-6-2/19/04		0810				X	
	MW-23-3	2/18/04	0718				X	
	MW-23-2		0820				X	
	MW-23-1		0914				X	
	Dupe-4-1Q04		—				X	
	EB-5-2/18/04		0905				X	
	MW-23-4		0844				X	
	MW-24-4	2/20/04	0715				X	

QC Requirement: ☐ Regular; ☐ QA/QC Report; ☐ WIP; ☐ Raw Data; ☐ Extended Raw Data ☐ CLP; ☐ ACE ☐ AFCEE ☒ NEESA D (E, C or D); ☒ Other EDD (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 3/11/04 / 0830 Received by [signature] Date/Time 3-11-04 / 1:15

Relinquished by [signature] Date/Time 3/11/04 / 1447 Received by [signature] Date/Time 3/11/04 / 2:45

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, Jan. 17, 2003

Applied P & Ch Laboratory

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

Subcontract Chain of Custody

Please Print in pen

Subcontract Lab: ATL
Contact: Ruri
Tel #: (562) 989-4045 Fax #: (562) 989-4040
Address: 3275 Walnut Avenue
City: Signal Hill
State: CA
Zip code: 90807
APCL Client: 04-1874
APCL Contact: Kenny Chan
Project Name/Code: JPL-GW-Non-1Q04
Job # 04-4428.10
BILL TO APCL
Sub Quotation #
Due Date: ☒ regular ☐ rush: ___ days ___ hours
Sampled by: J.R.

White – With report
Yellow – Lab copy
Pink – Originator

Field Sample ID No.	Sample Description	Date Collected	Time Collected	Sample Matrix	Preservation	# of Containers	Analysis Items: 8 Cr	Remarks
	MW-24-3	2/20/04	0808	W	HNO3	1x500ml	X	
	MW-24-1	↓	0728	↓	↓	↓	X	Level 4 Package and EDD
	EB-7-2/20/04	↓	0849	↓	↓	↓	X	

QC Requirement: ☐ Regular; ☐ QA/QC Report; ☐ WIP; ☐ Raw Data; ☐ Extended Raw Data ☐ CLP; ☐ ACE ☐ AFCEE ☐ NEESA D (E, C or D); ☑ Other EDD (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 3/1/04 / 0830 Received by [signature] Date/Time 3-1-04 1:15

Relinquished by [signature] Date/Time 3/1/04 / 1442 Received by [signature] Date/Time 3/1/04 / 2:45

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 4-181, Ver. 4.0, Jan. 15, 2003

03/27/04

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT: Applied P & Ch Laboratories
Project: JPL-GW-Mon-IQ04, 04-4428.10
Lab Order: 067776
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
067776-001A	MW-10	Water	2/25/2004	3/11/2004	3/17/2004
067776-002A	MW-8	Water	2/25/2004	3/11/2004	3/17/2004
067776-003A	MW-7	Water	2/25/2004	3/11/2004	3/17/2004
067776-004A	MW-16	Water	2/25/2004	3/11/2004	3/17/2004
067776-005A	MW-5	Water	2/24/2004	3/11/2004	3/17/2004
067776-006A	MW-15	Water	2/24/2004	3/11/2004	3/17/2004
067776-007A	MW-13	Water	2/24/2004	3/11/2004	3/17/2004
067776-008A	MW-6	Water	2/24/2004	3/11/2004	3/17/2004
067776-009A	MW-12-3	Water	2/23/2004	3/11/2004	3/17/2004
067776-010A	MW-12-2	Water	2/23/2004	3/11/2004	3/17/2004
067776-011A	MW-12-1	Water	2/23/2004	3/11/2004	3/17/2004
067776-012A	MW-24-2	Water	2/23/2004	3/11/2004	3/17/2004
067776-013A	MW-22-3	Water	2/23/2004	3/11/2004	3/17/2004
067776-014A	MW-22-2	Water	2/23/2004	3/11/2004	3/17/2004
067776-015A	MW-22-1	Water	2/23/2004	3/11/2004	3/17/2004
067776-016A	EB-8-2/23/04	Water	2/23/2004	3/11/2004	3/17/2004
067776-017A	MW-11-3	Water	2/19/2004	3/11/2004	3/17/2004
067776-018A	MW-11-2	Water	2/19/2004	3/11/2004	3/17/2004
067776-019A	MW-11-1	Water	2/19/2004	3/11/2004	3/17/2004
067776-020A	MW-4-3	Water	2/19/2004	3/11/2004	3/17/2004
067776-021A	MW-4-2	Water	2/19/2004	3/11/2004	3/17/2004
067776-022A	MW-4-1	Water	2/19/2004	3/11/2004	3/17/2004
067776-023A	EB-6-2/19/04	Water	2/19/2004	3/11/2004	3/17/2004
067776-024A	MW-23-3	Water	2/18/2004	3/11/2004	3/17/2004
067776-025A	MW-23-2	Water	2/18/2004	3/11/2004	3/17/2004
067776-026A	MW-23-1	Water	2/18/2004	3/11/2004	3/17/2004
067776-027A	Dupe-4-1Q04	Water	2/18/2004	3/11/2004	3/17/2004
067776-028A	EB-5-2/18/04	Water	2/18/2004	3/11/2004	3/17/2004
067776-029A	MW-23-4	Water	2/18/2004	3/11/2004	3/17/2004

~~0003~~
0006
RA 3/22/04

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Applied P & Ch Laboratories
Project: JPL-GW-Mon-IQ04, 04-4428.10
Lab Order: 067776
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
067776-030A	MW-24-4	Water	2/20/2004	3/11/2004	3/17/2004
067776-031A	MW-24-3	Water	2/20/2004	3/11/2004	3/17/2004
067776-032A	MW-24-1	Water	2/20/2004	3/11/2004	3/17/2004
067776-033A	EB-7-2/20/04	Water	2/20/2004	3/11/2004	3/17/2004

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-10
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/25/2004 7:20:00 AM
Lab ID:	067776-001A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_040316A QC Bach: R36160			PrepDate:				
Chromium	24		0.10	1.0	µg/L	1	3/16/2004 10:40:35 A

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-8
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/25/2004 8:40:00 AM
Lab ID:	067776-002A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_040316A QC Bach: R36160			PrepDate:				
Chromium	4.0		0.10	1.0	µg/L	1	3/16/2004 10:50:54 A

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-7
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/25/2004 9:57:00 AM
Lab ID:	067776-003A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_040316A QC Bach: R36160			PrepDate:				
Chromium	8.2		0.10	1.0	µg/L	1	3/16/2004 10:53:25 A

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-16
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/25/2004 12:59:00 PM
Lab ID:	067776-004A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_040316A QC Bach: R36160			PrepDate:				
Chromium	5.7		0.10	1.0	µg/L	1	3/16/2004 10:55:56 A

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-5
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/24/2004 7:56:00 AM
Lab ID:	067776-005A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_040316A QC Bach: R36160			PrepDate:				
Chromium	5.1		0.10	1.0	µg/L	1	3/16/2004 11:18:55 A

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-15
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/24/2004 9:17:00 AM
Lab ID:	067776-006A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_040316A QC Bach: R36160			PrepDate:				
Chromium	1.3		0.10	1.0	µg/L	1	3/16/2004 10:58:28 A

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-13
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/24/2004 10:59:00 AM
Lab ID:	067776-007A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_040316A QC Bach: R36160			PrepDate:				
Chromium	63		0.10	1.0	µg/L	1	3/16/2004 11:06:10 A

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-6
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/24/2004 12:32:00 PM
Lab ID:	067776-008A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_040316A QC Bach: R36160			PrepDate:				
Chromium	10		0.10	1.0	µg/L	1	3/16/2004 11:08:43 A

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-12-3
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/23/2004 12:15:00 PM
Lab ID:	067776-009A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_040316A QC Bach: R36160			PrepDate:				
Chromium	0.7	J	0.10	1.0	µg/L	1	3/16/2004 11:11:16 A

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-12-2
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/23/2004 12:41:00 PM
Lab ID:	067776-010A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_040316A QC Bach: R36160			PrepDate:				
Chromium	4.4		0.10	1.0	µg/L	1	3/16/2004 11:13:50 A

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-12-1
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/23/2004 1:10:00 PM
Lab ID:	067776-011A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_040316A QC Bach: R36160			PrepDate:				
Chromium	9.5		0.10	1.0	µg/L	1	3/16/2004 11:16:24 A

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-24-2
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/23/2004 9:36:00 AM
Lab ID:	067776-012A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_040316B QC Bach: R36161			PrepDate:				
Chromium	2.3		0.10	1.0	µg/L	1	3/16/2004 12:18:28 P

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-22-3
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/23/2004 7:31:00 AM
Lab ID:	067776-013A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_040316A QC Bach: R36160			PrepDate:				
Chromium	6.6		0.10	1.0	µg/L	1	3/16/2004 11:23:50 A

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-22-2
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/23/2004 8:00:00 AM
Lab ID:	067776-014A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_040316A QC Bach: R36160			PrepDate:				
Chromium	4.7		0.10	1.0	µg/L	1	3/16/2004 11:26:18 A

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-22-1
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/23/2004 8:28:00 AM
Lab ID:	067776-015A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_040316A QC Bach: R36160			PrepDate:				
Chromium	6.8		0.10	1.0	µg/L	1	3/16/2004 11:28:47 A

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	EB-8-2/23/04
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/23/2004 12:27:00 PM
Lab ID:	067776-016A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_040316A QC Bach: R36160			PrepDate:				
Chromium	0.3	J	0.10	1.0	µg/L	1	3/16/2004 11:36:26 A

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-11-3
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/19/2004 10:33:00 AM
Lab ID:	067776-017A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_040316A QC Bach: R36160			PrepDate:				
Chromium	4.0		0.10	1.0	µg/L	1	3/16/2004 11:38:55 A

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-11-2
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/19/2004 10:58:00 AM
Lab ID:	067776-018A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_040316A QC Bach: R36160			PrepDate:				
Chromium	3.4		0.10	1.0	µg/L	1	3/16/2004 11:41:26 A

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-11-1
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/19/2004 11:25:00 AM
Lab ID:	067776-019A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_040316A QC Bach: R36160			PrepDate:				
Chromium	3.7		0.10	1.0	µg/L	1	3/16/2004 11:43:56 A

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-4-3
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/19/2004 7:15:00 AM
Lab ID:	067776-020A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**	**(EPA 200.8)**			Analyst: **NS**
RunID: ICP4_040316E	QC Bach: 17423			PrepDate: 3/15/2004			
Chromium	0.3	J	0.10	1.0	µg/L	1	3/16/2004 3:43:56 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-4-2
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/19/2004 7:56:00 AM
Lab ID:	067776-021A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_040316A QC Bach: R36160			PrepDate:				
Chromium	6.7		0.10	1.0	µg/L	1	3/16/2004 11:46:28 A

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-4-1
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/19/2004 8:25:00 AM
Lab ID:	067776-022A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_040316A QC Bach: R36160			PrepDate:				
Chromium	4.4		0.10	1.0	µg/L	1	3/16/2004 11:48:59 A

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	EB-6-2/19/04
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/19/2004 8:10:00 AM
Lab ID:	067776-023A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_040316B QC Bach: R36161			PrepDate:				
Chromium	1.7		0.10	1.0	µg/L	1	3/16/2004 12:28:19 P

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-23-3
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/18/2004 7:18:00 AM
Lab ID:	067776-024A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_040316B QC Bach: R36161			PrepDate:				
Chromium	5.2		0.10	1.0	µg/L	1	3/16/2004 12:30:48 P

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-23-2
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/18/2004 8:20:00 AM
Lab ID:	067776-025A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_040316B QC Bach: R36161			PrepDate:				
Chromium	5.9		0.10	1.0	µg/L	1	3/16/2004 12:33:18 P

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-23-1
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/18/2004 9:14:00 AM
Lab ID:	067776-026A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_040316B QC Bach: R36161			PrepDate:				
Chromium	8.1		0.10	1.0	µg/L	1	3/16/2004 12:35:48 P

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	Dupe-4-1Q04
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/18/2004
Lab ID:	067776-027A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_040316B QC Bach: R36161			PrepDate:				
Chromium	5.0		0.10	1.0	µg/L	1	3/16/2004 12:43:26 P

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	EB-5-2/18/04
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/18/2004 9:05:00 AM
Lab ID:	067776-028A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_040316B QC Bach: R36161			PrepDate:				
Chromium	1.6		0.10	1.0	µg/L	1	3/16/2004 12:45:57 P

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-23-4
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/18/2004 8:44:00 AM
Lab ID:	067776-029A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_040316B QC Bach: R36161			PrepDate:				
Chromium	3.3		0.10	1.0	µg/L	1	3/16/2004 12:48:29 P

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-24-4
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/20/2004 7:15:00 AM
Lab ID:	067776-030A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_040316B QC Bach: R36161			PrepDate:				
Chromium	1.5		0.10	1.0	µg/L	1	3/16/2004 12:51:00 P

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-24-3
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/20/2004 8:08:00 AM
Lab ID:	067776-031A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_040316B QC Bach: R36161			PrepDate:				
Chromium	3.6		0.10	1.0	µg/L	1	3/16/2004 12:53:33 P

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-24-1
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/20/2004 7:28:00 AM
Lab ID:	067776-032A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_040316B QC Bach: R36161			PrepDate:				
Chromium	5.8		0.10	1.0	µg/L	1	3/16/2004 12:56:06 P

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	EB-7-2/20/04
Lab Order:	067776		
Project:	JPL-GW-Mon-IQ04, 04-4428.10	**Collection Date:**	2/20/2004 8:49:00 AM
Lab ID:	067776-033A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_040316B QC Bach: R36161			PrepDate:				
Chromium	1.8		0.10	1.0	µg/L	1	3/16/2004 12:58:39 P

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-Mar-04*

CLIENT: Applied P & Ch Laboratories
Work Order: 067776
Project: JPL-GW-Mon-IQ04, 04-4428.10

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.8_W

Sample ID: **MB-R36160** SampType: **MBLK** TestCode: **200.8_W** Units: **µg/L** Prep Date: Run ID: **ICP4_040316A**
Client ID: **ZZZZZ** Batch ID: **R36160** TestNo: **EPA 200.8** Analysis Date: **3/16/2004** SeqNo: **536515**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	ND	1.0									

Sample ID: **MB-R36161** SampType: **MBLK** TestCode: **200.8_W** Units: **µg/L** Prep Date: Run ID: **ICP4_040316B**
Client ID: **ZZZZZ** Batch ID: **R36161** TestNo: **EPA 200.8** Analysis Date: **3/16/2004** SeqNo: **536531**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	ND	1.0									

Sample ID: **MB-17423** SampType: **MBLK** TestCode: **200.8_W** Units: **µg/L** Prep Date: **3/15/2004** Run ID: **ICP4_040316E**
Client ID: **ZZZZZ** Batch ID: **17423** TestNo: **EPA 200.8** **(EPA 200.8)** Analysis Date: **3/16/2004** SeqNo: **536570**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	ND	1.0									

Sample ID: **LCS-R36160** SampType: **LCS** TestCode: **200.8_W** Units: **µg/L** Prep Date: Run ID: **ICP4_040316A**
Client ID: **ZZZZZ** Batch ID: **R36160** TestNo: **EPA 200.8** Analysis Date: **3/16/2004** SeqNo: **536514**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	10.34	1.0	10	0	103	85	115	0	0		

Sample ID: **LCS-R36161** SampType: **LCS** TestCode: **200.8_W** Units: **µg/L** Prep Date: Run ID: **ICP4_040316B**
Client ID: **ZZZZZ** Batch ID: **R36161** TestNo: **EPA 200.8** Analysis Date: **3/16/2004** SeqNo: **536530**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	10.56	1.0	10	0	106	85	115	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

0041

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Applied P & Ch Laboratories
Work Order: 067776
Project: JPL-GW-Mon-IQ04, 04-4428.10

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.8_W

Sample ID: **LCS-17423** SampType: **LCS** TestCode: **200.8_W** Units: **µg/L** Prep Date: **3/15/2004** Run ID: **ICP4_040316E**
Client ID: **ZZZZZ** Batch ID: **17423** TestNo: **EPA 200.8** **(EPA 200.8)** Analysis Date: **3/16/2004** SeqNo: **536569**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	10.02	1.0	10	0	100	85	115	0	0		

Sample ID: **067776-001AMS** SampType: **MS** TestCode: **200.8_W** Units: **µg/L** Prep Date: Run ID: **ICP4_040316A**
Client ID: **MW-10** Batch ID: **R36160** TestNo: **EPA 200.8** Analysis Date: **3/16/2004** SeqNo: **536491**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	32.85	1.0	10	23.97	88.8	70	130	0	0		

Sample ID: **067776-005AMS** SampType: **MS** TestCode: **200.8_W** Units: **µg/L** Prep Date: Run ID: **ICP4_040316A**
Client ID: **MW-5** Batch ID: **R36160** TestNo: **EPA 200.8** Analysis Date: **3/16/2004** SeqNo: **536497**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	13.79	1.0	10	5.09	87	70	130	0	0		

Sample ID: **067776-012AMS** SampType: **MS** TestCode: **200.8_W** Units: **µg/L** Prep Date: Run ID: **ICP4_040316B**
Client ID: **MW-24-2** Batch ID: **R36161** TestNo: **EPA 200.8** Analysis Date: **3/16/2004** SeqNo: **536517**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	11.58	1.0	10	2.306	92.8	70	130	0	0		

Sample ID: **067776-020AMS** SampType: **MS** TestCode: **200.8_W** Units: **µg/L** Prep Date: **3/15/2004** Run ID: **ICP4_040316E**
Client ID: **MW-4-3** Batch ID: **17423** TestNo: **EPA 200.8** **(EPA 200.8)** Analysis Date: **3/16/2004** SeqNo: **536567**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	9.975	1.0	10	0.3125	96.6	70	130	0	0		

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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Applied P & Ch Laboratories
Work Order: 067776
Project: JPL-GW-Mon-IQ04, 04-4428.10

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.8_W

Sample ID: **067776-001AMSD** SampType: **MSD** TestCode: **200.8_W** Units: **µg/L** Prep Date: Run ID: **ICP4_040316A**
Client ID: **MW-10** Batch ID: **R36160** TestNo: **EPA 200.8** Analysis Date: **3/16/2004** SeqNo: **536492**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	32.63	1.0	10	23.97	86.7	70	130	32.85	0.657	20	

Sample ID: **067776-005AMSD** SampType: **MSD** TestCode: **200.8_W** Units: **µg/L** Prep Date: Run ID: **ICP4_040316A**
Client ID: **MW-5** Batch ID: **R36160** TestNo: **EPA 200.8** Analysis Date: **3/16/2004** SeqNo: **536498**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	13.82	1.0	10	5.09	87.3	70	130	13.79	0.203	20	

Sample ID: **067776-012AMSD** SampType: **MSD** TestCode: **200.8_W** Units: **µg/L** Prep Date: Run ID: **ICP4_040316B**
Client ID: **MW-24-2** Batch ID: **R36161** TestNo: **EPA 200.8** Analysis Date: **3/16/2004** SeqNo: **536518**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	11.67	1.0	10	2.306	93.6	70	130	11.58	0.723	20	

Sample ID: **067776-020AMSD** SampType: **MSD** TestCode: **200.8_W** Units: **µg/L** Prep Date: **3/15/2004** Run ID: **ICP4_040316E**
Client ID: **MW-4-3** Batch ID: **17423** TestNo: **EPA 200.8** **(EPA 200.8)** Analysis Date: **3/16/2004** SeqNo: **536568**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	14.69	1.0	10	0.3125	144	70	130	9.975	38.2	20	SR

Sample ID: **067776-020ADUP** SampType: **DUP** TestCode: **200.8_W** Units: **µg/L** Prep Date: **3/15/2004** Run ID: **ICP4_040316E**
Client ID: **MW-4-3** Batch ID: **17423** TestNo: **EPA 200.8** **(EPA 200.8)** Analysis Date: **3/16/2004** SeqNo: **536571**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.56	1.0	0	0	0	0	0	0.3125	0	20	J

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DO- Surrogate dilute out
H - Sample exceeded holding time

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Advanced Technology Laboratories
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CLIENT: Applied P & Ch Laboratories
Work Order: 067776
Project: JPL-GW-Mon-IQ04, 04-4428.10

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.8_W

Sample ID: **067776-001ADUP** SampType: **DUP** TestCode: **200.8_W** Units: **µg/L** Prep Date: Run ID: **ICP4_040316A**
Client ID: **MW-10** Batch ID: **R36160** TestNo: **EPA 200.8** Analysis Date: **3/16/2004** SeqNo: **536572**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	24.1	1.0	0	0	0	0	0	23.97	0.524	20	

Sample ID: **067776-005ADUP** SampType: **DUP** TestCode: **200.8_W** Units: **µg/L** Prep Date: Run ID: **ICP4_040316A**
Client ID: **MW-5** Batch ID: **R36160** TestNo: **EPA 200.8** Analysis Date: **3/16/2004** SeqNo: **536573**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	4.76	1.0	0	0	0	0	0	5.09	6.70	20	

Sample ID: **067776-012ADUP** SampType: **DUP** TestCode: **200.8_W** Units: **µg/L** Prep Date: Run ID: **ICP4_040316B**
Client ID: **MW-24-2** Batch ID: **R36161** TestNo: **EPA 200.8** Analysis Date: **3/16/2004** SeqNo: **536582**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	2.452	1.0	0	0	0	0	0	2.306	6.14	20	

Sample ID: **067776-033ADUP** SampType: **DUP** TestCode: **200.8_W** Units: **µg/L** Prep Date: Run ID: **ICP4_040316B**
Client ID: **EB-7-2/20/04** Batch ID: **R36161** TestNo: **EPA 200.8** Analysis Date: **3/16/2004** SeqNo: **536583**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	1.786	1.0	0	0	0	0	0	1.838	2.87	20	

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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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