



Applied P & Ch Laboratory

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

APCL

Chain of Custody

Please Print in pen Page 1 of 1

Client: SOTA ENVR. TECH, INC Contact: MIKE SAYRE

Address: 16835 WEST BERNARDO DR. STE # 212 City: SAN DIEGO

Bill to: SOTA

Tel #: 858-485-9100 Fax #: 958-485-0812

State: CA Zip code: 92122

Project Name/Code JPL Job # 004W019 P.O. #

Project Address PASADENA CALIFORNIA APCL Quotation #

Due Date: Regular Rush: days hours Sampled by: JNT/TAM

Field Sample ID No.	Sample Description	Date Collected	Sample Matrix	Preservation	# of Containers	Analysis Items	Remarks
MW-17-5	MW-17-5	4/10/02	WATER	HCl	3	VOCS (524.2) PECHLOATE (914.0) TOT CR (200.8) COT (714.6)	White - With report Yellow - Lab copy Pink - Originator
MW-17-5	MW-17-5	1046		-	1		
MW-17-4	MW-17-4	1122		HCl	9		
MW-17-4	MW-17-4	1224		HNO3	2		
MW-17-4	MW-17-4	1224		-	2		
ER-17	EQUIP. RINSE	1351		HCl	3		
MW-17-3	MW-17-3	1416		HCl	3		
MW-17-3	MW-17-3	1443		HNO3	1		
MW-17-3	MW-17-3	1416		-	1		
MW-17-2	MW-17-2	1520		HCl	3		
MW-17-2	MW-17-2	1520		HNO3	1		
MW-17-2	MW-17-2	1520		-	1		
TB-17	TRIP BLANK	0948		HCl	2		
ER-17	EQUIPMENT RINSE	1351		HNO3	1		
ER-17	EQUIP. RINSE	1351		-	1		

2117

LEVER
DATA
PACKAGE

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 Adam Worrell Date/Time 4/10/02 1119 Received by Adam Worrell Date/Time 4/10/02 11719

Relinquished by Adam Worrell Date/Time 4/10/02 11830 Received by Paul Date/Time 4/11/02 1050

APCL USE ONLY Service # Note:

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

Root file: [CUST.DAT] [LAB] [CHAIN-ROOT.TEX] File: [CUST.DAT] [LAB] [CHAIN4.TEX]



Applied P & Ch Laboratory

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

APCL

Chain of Custody

Please Print in pen Page 1 of 1

Client: SOTA ENVR, TECH INC Contact: MIKE SAYRE Tel #: 858-485-8100 Fax #: 858-485-0812

Address: 16305 WEST BERNARDO DR. STE 212 City: SAN DIEGO State: CA Zip code: 92127

Bill to: SOTA

Project Name/Code JPL Job # 004W019 P.O. # _____

Project Address PASADENA, CALIFORNIA APCL Quotation # _____

Due Date: Regular ☐ rush: days hours Sampled by: JNT/TAM

Field Sample ID No.	Sample Description	Date Collected	Sample Matrix	Preservation	# of Containers	VOCS (524.2)	PERCHLORATE (314.0)	TOT CR (200.8)	CR VI (316.6)	Analysis Items	White - With report Yellow - Lab copy Pink - Originator	Remarks
TB-18	TRIP BLANK	4/15/02 1034	WATER	HCl	2							
MW-18-5	MW-18-5	1048		HCl	9	X						MS/MSD
MW-18-5	MW-18-5	1112		—	1		X					
MW-18-4	MW-18-4	1150		HCl	3	X						
MW-18-4	MW-18-4	1150		HNO ₃	1			X				
MW-18-4	MW-18-4	1150		—	1	X						LEVEL IV
MW-18-3	MW-18-3	1221		HCl	3	X						DATA PACKAGE
MW-18-3	MW-18-3	1221		HNO ₃	1			X				
MW-18-2	MW-18-2	1429		—	1		X					
MW-18-2	MW-18-2	1429		HCl	3	X						
MW-18-2	MW-18-2	1429		HNO ₃	1			X				
ER-18	ER-18 EQUIP. RINSE	1240		—	1							
ER-18	EQUIP. RINSE	1240		HCl	3	X						
ER-18	EQUIP. RINSE	1240		HNO ₃	1			X				
ER-18	EQUIP. RINSE	1240		—	1	X						

QC Requirement: ☐ Regular; ☐ QA/QC Report; ☐ WIP; ☐ Raw Data; ☐ Extended Raw Data ☐ CLP; ☐ ACE ☐ AFCEE ☐ NEBSA ☐ (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 Ray Anderson Date/Time 4/15/02 11:51 Received by Ray Anderson Date/Time 4/15/02 11:51

Relinquished by Ray Anderson Date/Time 4/15/02 14:30 Received by Ray Anderson Date/Time 4/15/02 16:30

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

A P C L

Chain of Custody

Please Print in pen Page 1 of 2

Client: SOTA ENVR. TECH INC Contact: MIKE SAYRE

Tel #: 858-485-8100 Fax #: 858-485-0812

Address: 16835 WEST BERNARDO DRIVE #212 City: SAN DIEGO

State: CA Zip code: 92123

Bill to: SOTA

Project Name/Code JPL Job # 00HW01 P.O. #

Project Address PASADENA, CALIFORNIA APCL Quotation #

Due Date: Regular Rush: days hours Sampled by: JNT/TAM

Field Sample ID No.	Sample Description	Date Collected	Sample Matrix	Preservation	# of Containers	Analysis Items	Remarks
TB-20	TRIP BLANK	4/16/02 0914	WATER	HCl	2	White - With report Yellow - Lab copy Pink - Originator	LEVEL IV
MW-20-5	MW-20-5	0925		HCl	3		DATA PACKAGE
MW-20-5	MW-20-5	0925		HNO3	1		
MW-20-5	MW-20-5	0925		—	1		
MW-20-4	MW-20-4	1005		HCl	3		
MW-20-4	MW-20-4	1005		HNO3	1		
MW-20-4	MW-20-4	1005		—	1		
MW-20-4D	MW-20-4D	1005		HCl	3		
MW-20-4D	MW-20-4D	1038		HNO3	1		
MW-20-4D	MW-20-4D	1038		—	1		
MW-20-3	MW-20-3	1110		HCl	3		
MW-20-3	MW-20-3	1110		HNO3	1		
MW-20-3	MW-20-3	1110		—	1		

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 Date/Time 4/16/02 1508 Received by Date/Time 4/16/02 15:08

Relinquished by Date/Time 4/16/02 1640 Received by Date/Time 4/16/02 1640

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.

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

APCL

Chain of Custody

Please Print in pen Page 1 of 1

Client: SOTA ENVR. TECH. INC Contact: MIKE SAYRE

Address: 6935 WEST BERBERO DR. STE# 212 City: SAN DIEGO

Bill to: SOTA

Tel #: 858-485-9100 Fax #: 958-485-0812

State: CA Zip code: 92127

Project Name/Code JPL Job # 004W019 P.O. #

Project Address PASADENA CALIFORNIA APCL Quotation #

Due Date: 4/10/02 Rush: 0 days hours Sampled by: JNT/TAM

Field Sample ID No.	Sample Description	Date Collected	Sample Matrix	Preservation	# of Containers	VOC's (524.2)	PERCHLORATE (314.0)	TOT CR (200.8)	CRY (7146)	Analysis Items	Remarks
MW-17-5	MW-17-5	4/10/02 1040	WATER	HCl	3	X					
MW-17-5	MW-17-5	1040		-	1		X				
MW-17-4	MW-17-4	1122		HCl	9						
MW-17-4	MW-17-4	1224		HN03	2	X					
MW-17-4	MW-17-4	1224		-	2						
ER-17	EQUIP. RINSATE	1351		HCl	3	X					
MW-17-3	MW-17-3	1416		HCl	3	X					
MW-17-3	MW-17-3	1443		HN03	1			X			
MW-17-3	MW-17-3	1416		-	1		X				
MW-17-2	MW-17-2	1520		HCl	3	X					
MW-17-2	MW-17-2	1520		HN03	1			X			
MW-17-2	MW-17-2	1520		-	1		X				
TB-17	TRIP BLANK	0948		HCl	2	X					
ER-17	EQUIPMENT RINSATE	1351		HN03	1			X			
ER-17	EQUIP. RINSATE	1351		-	1	X					

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.

Sample Conditions: ☐ Intact; ☐ Broken. Cooler Seal: ☐ Intact; ☐ Broken; ☐ None. Tag #

Relinquished by Adam Wood Date/Time 4/10/02 11719 Received by Adam Wood Date/Time 4/10/02 11719

Relinquished by Adam Wood Date/Time 4/10/02 11830 Received by Paul Date/Time 4/11/02 10822

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.

Page 1 of 2

ems

Job # 00HW019 P.O. #

APCL Quotation #

Sampled by: MACS/TAN

Field Sample ID No.	Sample Description	Date Collected	Sample Matrix	Preservation	# of Containers	VOC's	Perchloro	Tri C	VI	Remarks
MW-12-5	MW-12-5	4-11-02	1057	WATER	HCl	3	X			LEVEL IV
MW-12-5	MW-12-5		1057		—	1	X			DATA PACKAGE
MW-12-4	MW-12-4		1126		HCl	3	X			
MW-12-4	MW-12-4		1125		—	1	X			
ER-12	EQUIP. RINSEATE		1210		HCl	3	X			
ER-12	EQUIP. RINSEATE		1210		HNO ₃	1	X			
ER-12	EQUIP. RINSEATE		1210		—	1	X	X		
MW-12-3	MW-12-3		1157		HCl	3	X			
MW-12-3	MW-12-3		1157		HNO ₃	1	X			
MW-12-3	MW-12-3		1157		—	1	X	X		
MW-12-3D	MW-12-3DUPPLICATES		1157		HCl	3	X			
MW-12-3D	MW-12-3DUPPLICATES		1219		HNO ₃	1	X	X		
MW-12-3D	MW-12-3DUPPLICATES		1219		—	1	X	X		
TB-12	TRIP BLANK		1015		HCl	2	X			

QC Requirement:

Sample Disposal:

Sample Condition

Belinquished

Relinquished

1000

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

Root-file:[CUST.DATA.LAB|CHAIN-ROOT.TEX File:[CUST.DATA.LAB|CHAIN1.TEX



Applied P & Ch Laboratory

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

APCL

Chain of Custody

Please Print in pen Page 1 of 2

Client: SOTA ENVR. TECH INC. Contact: MIKE SAYRE

Address: 16835 WEST BERNARDO DRIVE #212 City: SAN DIEGO State: CA Tel #: 858-485-8100 Fax #: 858-485-0812

Bill to: SOTA Zip code: 92127

Project Name/Code: JPL Job # 004W019 P.O. #

Project Address: PASADENA, CALIFORNIA APCL Quotation #

Due Date: Regular ☐ rush: ☐ days hours Sampled by: JNT/TAM

Field Sample ID No.	Sample Description	Date Collected	Sample Matrix	Preservation	# of Containers	VOCs (524.2)	Cr VI (7196)	Perchlorate (3140)	Analysis Items	White - With report Yellow - Lab copy Pink - Originator
MW-14-5	MW-14-5	4/18/02	1008	WATER	3	X				LEVEL IV
MW-14-5	MW-14-5	1008		HCl	1					DATA PACKAGE
MW-14-4	MW-14-4	1104		HCl	3					
MW-14-4	MW-14-4	1104		HNO3	1					
MW-14-4	MW-14-4	1104			1					
MW-14-4D	MW-14-4D	1104		HCl	3					
MW-14-4D	MW-14-4D	1139		HNO3	1					
MW-14-4D	MW-14-4D	1139			1					
MW-14-3	MW-14-3	1202		HCl	3					
MW-14-3	MW-14-3	1202		HNO3	1					
MW-14-3	MW-14-3	1202			1					
MW-14-2	MW-14-2	1340		HCl	3					
MW-14-2	MW-14-2	1340		HNO3	1					
MW-14-2	MW-14-2	1340			1					

2563

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 Date/Time 4/19/02 1552 Received by Date/Time 4/19/02 1552

Relinquished by Date/Time 4/19/02 1552 Received by Date/Time 4/19/02 1552

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.



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

Tel #: 858-485-8100 Fax #: 858-485-0812

State: CA Zip code: 92127

State: CA

Analysis Items

Sampled by: JNT/TAM

৩৬৩

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

Relinquished by Jim Watson Date/Time 4/18/02 Received by Jim Watson Date/Time 4/18/02 / 1552

Relinquished by <i>Shirley [Signature]</i>	Date/Time <i>11/19/01</i>	Received by <i>Shirley [Signature]</i>	Date/Time <i>11/19/01</i>
--	---------------------------	--	---------------------------

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

APCL

Chain of Custody

Please Print in pen Page 1 of 1

Client: **SOTA ENVR. TECH INC.** Contact: **MIKE SAYRE** Tel #: **858-485-8100** Fax #: **858-485-0812**
Address: **16835 WEST BERNARDO DRIVE #212** City: **SAN DIEGO** State: **CA** Zip code: **92127**
Bill to: **SOTA**

Project Name/Code: **JPL** Job # **00HW019** P.O. #
Project Address: **PASADENA, CALIFORNIA** APCL Quotation #
Due Date: ☒ Regular ☐ Rush: days hours Sampled by: **JNT/TAM**

Field Sample ID No.	Sample Description	Date Collected	Sample Matrix	Preservation	# of Containers	Analysis	Items	Remarks
TB-11	TRIP BLANK	4/19/02 0948	WATER	HCl	2	NOCS (524.2)		LEVEL IV
MW-11-4	MW-11-4	1001		HCl	3	NOCS (200.8)		DATA PACKAGE
MW-11-4	MW-11-4	1001		—	1	PRE-MOIST (340)		
MW-11-3	MW-11-3	1036		HCl	9			NS/MSD
MW-11-3	MW-11-3	1036		HN03	2			MS/MSD
MW-11-3	MW-11-3	1101		—	2			MS/MSD
MW-11-2	MW-11-2	1128		HCl	3			
MW-11-2	MW-11-2	1128		HN03	1			
MW-11-2	MW-11-2	1128		—	1			
MW-11-1	MW-11-1	1155		HCl	3			
MW-11-1	MW-11-1	1155		HN03	1			
MW-11-1	MW-11-1	1155		—	1			
ER-11	ER-11 EQUIP. RINSATE	1143		HCl	3			
ER-11	EQUIP. RINSATE	1143		HN03	1			
ER-11	EQUIP. RINSATE	1143		—	1			

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 Date/Time 4/19/02 / 1345 Received by Date/Time 4/19/02 / 1345
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.



Applied P & Ch Laboratory

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

APCL

Chain of Custody

Please Print in pen Page 1 of 1

Client: SOTA ENVR. TECH INC. Contact: MIKE SAYRE Tel #: 858-485-8100 Fax #: 858-485-0812
Address: 16835 WEST BERNARDO DRIVE #217 City: SAN DIEGO State: CA Zip code: 92127
Bill to: SOTA

Project Name/Code: JPL Job #00HW019 P.O. #
Project Address: PASADENA, CALIFORNIA APCL Quotation #
Due Date: ☒ Regular ☐ Rush: ___ days ___ hours Sampled by: JST/HAM

Field Sample ID No.	Sample Description	Date Collected	Sample Matrix	Preservation	# of Containers	Analysis Items	White - With report Yellow - Lab copy Pink - Originator
TRIP-24	TRIP BLANK	4/22/02 0958	WATER	HCl	2	VOCS (524.2) TOT Cr (200.8) Cr VI (719.6) PERCHLORATE (314.0)	LEVEL IV
MW-24-4	MW-24-4	1042		HNO ₃	1	X	DATA PACKAGE
MW-24-4	MW-24-4	1042		—	1	X	
MW-24-3	MW-24-3	1120		HCl	9	X	MS/MSD
MW-24-3	MW-24-3	1145		HNO ₃	2	X	MS/MSD
MW-24-3	MW-24-3	1145		—	2	X X	MS/MSD
MW-24-2	MW-24-2	1359		HCl	3	X	
MW-24-2	MW-24-2	1359		HNO ₃	1	X	
MW-24-2	MW-24-2	1359		—	1	X X	
MW-24-1	MW-24-1	1429		HCl	3	X	
MW-24-1	MW-24-1	1429		HNO ₃	1	X	
MW-24-1	MW-24-1	1429		—	1	X X	
ER-24	EQUIP. RINSATE	1418		HCl	3	X	
ER-24	EQUIP. RINSATE	1418		HNO ₃	1	X	
ER-24	EQUIP. RINSATE	1418		—	1	X X	

2563

QC Requirement: ☐ Regular; ☐ QA/QC Report; ☐ WIP; ☐ Raw Data; ☐ Extended Raw Data ☐ CLP; ☐ ACE ☐ AFCEE ☐ NEESA ___ (E, Cor 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 #
Relinquished by Don N. at 10:10 AM Date/Time 4/22/02 11:02:00 Received by Mary/Steve Date/Time 4/22/02 11:02:00
Relinquished by Mary/Steve Date/Time 4/22/02 11:02:00 Received by Paul Date/Time 4/22/02 11:02:00
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

Chain of Custody

Please Print in pen Page 1 of 2

Client: SOTA ENVR. TECH INC. Contact: MIKE SAVRE

Address: 16835 WEST BERNARD DRIVE #212 City: SAN DIEGO

Bill to: SOTA

Tel #: 858-485-8100 Fax #: 858-485-0812

State: CA Zip code: 92127

Project Name/Code JPL Job # 00HW019 P.O. #

Project Address PASADENA CALIFORNIA APCL Quotation #

Due Date: Regular Rush: days hours Sampled by: JNT/TAN

Field Sample ID No.	Sample Description	Date Collected	Sample Matrix	Preservation	# of Containers	Analysis	Items	White - With report Yellow - Lab copy Pink - Originator	Remarks
TB-73	TRIP BLANK	4/23/02 1002	WATER	HCl	2	NOCs (524.2)			
MW-23-5	MW-23-5	1045			1	NOCs (524.2)			
MW-23-4	MW-23-4	1108		HNO3	2	NOCs (524.2)			
MW-23-4	MW-23-4	1133			2	NOCs (524.2)			MS/MSD
MW-23-3	MW-23-3	1203		HCl	3	NOCs (524.2)			MS/MSD
MW-23-3	MW-23-3	1203		HNO3	1	NOCs (524.2)			
MW-23-3	MW-23-3	1203			1	NOCs (524.2)			LEVEL IV
MW-23-2	MW-23-2	1414		HCl	3	NOCs (524.2)			DATA PACKAGE
MW-23-2	MW-23-2	1414		HNO3	1	NOCs (524.2)			
MW-23-2	MW-23-2	1414			1	NOCs (524.2)			
MW-23-1	MW-23-1	1457		HCl	3	NOCs (524.2)			
MW-23-1	MW-23-1	1457		HNO3	1	NOCs (524.2)			
MW-23-1	MW-23-1	1457			1	NOCs (524.2)			

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 4/23/02 1549 Received by *[Signature]* Date/Time 4/23/02 1549

Relinquished by *[Signature]* Date/Time 4/23/02 1800 Received by *[Signature]* Date/Time 4/23/02 1800

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

Chain of Custody

Please Print in pen

Page 2 of 2

Client: SOTA ENVR. TECH INC

Contact: MIKE SAYRE

Tel #: 858-485-8100 Fax #: 858-485-0812

Address: 16835 WEST BERNARDO DRIVE #212 City: SAN DIEGO

State: CA

Zip code: 92127

Project Name/Code JPL

Job # 0000019 P.O. #

Project Address PASADENA, CALIFORNIA

APCL Quotation #

Due Date: Regular Rush: days hours Sampled by: JNT/TAM

Sample Description

Date Collected

Sample Matrix

Preservation

of Containers

Field Sample ID No.

ER-23

EQUIP. RINSATE

4/23/02

1431

WATER

HCl

3

ER-23

EQUIP. RINSATE

1431

HNO₃

1

ER-23

EQUIP. RINSATE

1431

—

1

Analysis Items

PERCHLORATE

3140

(CVI) (7196)

TOTL (200.8)

VOC (524.2)

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

White - With report

Yellow - Lab copy

Pink - Originator

Remarks

LEVEL IV

DATA PACKAGE

2563

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 4/23/02 1:54p Received by *[Signature]* Date/Time 4/23/02 1:54p

Relinquished by *[Signature]* Date/Time 4/23/02 1:54p Received by *[Signature]* Date/Time 4/23/02 1:54p

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

APCL

Chain of Custody

Please Print in pen Page 1 of 2

Client: **SOTA ENVR. TECH INC.** Contact: **MIKE SAYRE**

Address: **16835 WEST BERNARDO DRIVE #212** City: **SAN DIEGO**

Bill to: **SOTA**

Tel #: **858-485-8100** Fax #: **858-485-0812**

State: **CA** Zip code: **92127**

Project Name/Code **JPL** Job # **004W019** P.O. #

Project Address **PASADENA, CALIFORNIA** APCL Quotation #

Due Date: ☒ Regular ☐ Rush: days hours

Sampled by: **JNT/TAM**

Field Sample ID No.	Sample Description	Date Collected	Sample Matrix	Preservation	# of Containers	Analysis Items	Remarks
TB-3	TRIP BLANK	4/24/02 1042	WATER	HCl	2	VOC's (524.2)	LEVEL IV
MW-3-5	MW-3-5	1108			1	PCB's (314)	
MW-3-4	MW-3-4	1145		HCl	3	Cr VI (7196)	
MW-3-4	MW-3-4	1145		HNO ₃	1	NOT Cr (200.8)	
MW-3-4	MW-3-4	1145			1		
MW-3-4D	MW-3-4D	1145		HCl	3		
MW-3-4D	MW-3-4D	1210		HNO ₃	1		
MW-3-4D	MW-3-4D	1210			1		
MW-3-3	MW-3-3	1419		HCl	3		
MW-3-3	MW-3-3	1419		HNO ₃	1		
MW-3-3	MW-3-3	1419			1		
MW-3-2	MW-3-2	1448		HCl	3		
MW-3-2	MW-3-2	1448		HNO ₃	1		
MW-3-2	MW-3-2	1448			1		

QC Requirement: ☐ Regular; ☐ QA/QC Report; ☐ WIP; ☐ Raw Data; ☐ Extended Raw Data ☐ CLP; ☐ ACE ☐ AFCEE ☐ NEBSA ☐ (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 Date/Time 4/24/02 11554 Received by Date/Time 4/24/02 1554

Relinquished by Date/Time 4/24/02 11715 Received by Date/Time 4/24/02 1715

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

APCL

Chain of Custody

Please Print in pen Page 1 of 2

Client: **SOTA ENVR. TECH INC.** Contact: **MIKE SAYRE** Tel #: **858-485-8100** Fax #: **858-485-0812**
Address: **16835 WEST BERNARDO DRIVE #212** City: **SAN DIEGO** State: **CA** Zip code: **92127**
Bill to: **SOTA**

Field Sample ID No.	Sample Description	Date Collected	Sample Matrix	Preservation	# of Containers	Analysis Items	White - With report Yellow - Lab copy Pink - Originator
TB-4	TRIP BLANK	4/25/02 0958	WATER	HCl	2	PERCHLORATE (314) Cr VI (7196) TOT Cr (2008) VOCs (5242)	LEVEL IV
MW-4-5	MW-4-5	1020		HNO3	1		DATA PACKAGE
MW-4-5	MW-4-5	1020			1		
MW-4-4	MW-4-4	1059		HNO3	1		
MW-4-4	MW-4-4	1059			1		
MW-4-3	MW-4-3	1125		HCl	3		
MW-4-3	MW-4-3	1125		HNO3	1		
MW-4-3	MW-4-3	1125			1		
MW-4-2	MW-4-2	1159		HCl	3		
MW-4-2	MW-4-2	1159		HNO3	1		
MW-4-2	MW-4-2	1159			1		
MW-4-1	MW-4-1	1226		HCl	3		
MW-4-1	MW-4-1	1226		HNO3	1		
MW-4-1	MW-4-1	1226			1		

QC Requirement: ☐ Regular; ☐ QA/QC Report; ☐ WIP; ☐ Raw Data; ☐ Extended Raw Data ☐ CLP; ☐ ACE ☐ AFCEE ☐ NEBSA (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 #

Relinquished by [Signature] Date/Time 4/25/02 1555 Received by [Signature] Date/Time 4/25/02 1555
Relinquished by [Signature] Date/Time 4/25/02 1710 Received by [Signature] Date/Time 4/25/02 1710

APCL USE ONLY Service # 2563

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

113760 Magnolia Ave. Chino CA 91710

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

Chain of Custody

Please Print in pen

Page 2 of 2

Client: SOTA ENVR TECH INC

Contact: MIKE SAYRE

Address: 16835 WEST BERNARDO DRIVE #212

Bill to: SOTA

City: SAN DIEGO

Tel #: 858-485-8100 Fax #: 858-485-0812

State: CA Zip code: 92127

Project Name/Code **JPL**

Job # 00HUB19 P.O. #

Project Address PASADENA, CALIFORNIA

APCL Quotation #

Due Date: ~~Regular~~ ☐ rush: days hours

Sampled by: JDT/TAM

[illegible]

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

☐ Return ☐ Disposal by APCL ☐ Hold for _____ days after receiving date.

Sample Conditions: ☐ Intact; ☐ Broken. Cooler Seal: ☐ Intact; ☐ Broken; ☐ None. Tag # _____

Temperature: ☐ Room ☒ Cold (____ °C).

Relinquished by [Signature] Date/Time 4/25/07 Received by [Signature]
Temperature: ☐ room ☒ Cold
D.A.# 1555

Relinquished	by	<i>[Signature]</i>	Date/Time	<i>1/17/13</i>	Received by	<i>[Signature]</i>	Date/Time	<i>1/17/13</i>
	by	<i>[Signature]</i>	Date/Time	<i>1/17/13</i>	Received by	<i>[Signature]</i>	Date/Time	<i>1/17/13</i>
	by	<i>[Signature]</i>	Date/Time	<i>1/17/13</i>	Received by	<i>[Signature]</i>	Date/Time	<i>1/17/13</i>

Relinquished by	by	Received
<i>Greg Burston</i>	<i>Greg Burston</i>	<i>Greg Burston</i>
Date/Time	Date/Time	Date/Time
<i>4/25/02</i>	<i>4/25/02</i>	<i>4/25/02</i>

APCL USE ONLY	Service #
	2022-1110

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

APCL

Chain of Custody

Please Print in pen Page 1 of 1

Client: SOTA ENVR. TECH INC. Contact: MIKE SAYRE

Address: 16835 WEST BERNARDO DRIVE #24 City: SAN DIEGO

Bill to: SOTA

Tel #: 858-485-8100 Fax #: 858-485-0812

State: CA Zip code: 92127

Project Name/Code: JPL Job # 004HW019 P.O. #

Project Address: PASADENA, CALIFORNIA APCL Quotation #

Due Date: Regular ☒ rush: ___ days ___ hours Sampled by: JNT/TAM

Field Sample ID No.	Sample Description	Date Collected	Sample Matrix	Preservation	# of Containers	Analysis Items	Remarks
TB-13/16	TRIP BLANK	4/26/02 1004	WATER	HCl	2		LEVEL IV
NW-13	NW-13	1044		HCl	3		DATA PACKAGE
NW-13	NW-13	1044		HN03	1		
NW-13	NW-13	1044		—	1		
NW-16	NW-16	1255		HCl	3		
NW-16	NW-16	1255		HN03	1		
NW-16	NW-16	1255		—	1		
NW-16D	NW-16D	1255		HCl	3		
NW-16D	NW-16D	1255		HN03	1		
NW-16D	NW-16D	1255		—	1		

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 #

Relinquished by *[Signature]* Date/Time 4/26/02 1417 Received by *[Signature]* Date/Time 4/26/02 1417

Relinquished by *[Signature]* Date/Time / / Received by *[Signature]* Date/Time / /

Temperature: ☐ Room ☐ Cold (°C)

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

APCL

Chain of Custody

Please Print in pen Page 1 of 1

Client: SOTA ENVR. TECH INC.

Contact: MIKE SAYRE
City: SAN DIEGO

Tel #: 858-485-8100 Fax #: 858-485-0912

Address: 16335 WEST BERNARDO DRIVE #212

Bill to: SOTA

State: CA Zip code: 92127

Project Name/Code	JPL	Job #	00HND19	P.O. #			
Project Address	PASADENA, CALIFORNIA	APCL Quotation #					
Due Date:	Regular	rush: days	hours	Sampled by: JMT/TAM			
Field Sample ID No.	Sample Description	Date Collected	Sample Matrix	Preservation	# of Containers	Analysis Items	Remarks
TB-5/10	TRIP BLANK	4/29/02 0159	WATER	HCl	2	NOV (524.2)	LEVEL IV
MW-5	MW-5	1050		HCl	3	NOV (719.6)	DATA PACKAGE
MW-5	MW-5	1050		HNO3	1	NOV (200.8)	
MW-5	MW-5	1050		—	1	NOV (314.0)	
MW-10	MW-10	1425		HCl	9		MS/MSD
MW-10	MW-10	1425		HNO3	2		MS/MSD
MW-10	MW-10	1425		—	2		MS/MSD

2563

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 #

Relinquished by *[Signature]* Date/Time 4/29/02 1709 Received by *[Signature]* Date/Time 4/29/02 1709

Relinquished by *[Signature]* Date/Time 4/29/02 1835 Received by *[Signature]* Date/Time 4/30/07 0800

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.DAT\LAB\CHAIN-ROOT.TEX] File: [CUST.DAT\LAB\CHAIN-TRX]



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 ENVR. TECH INC Contact: MIKE SAYRE Tel #: 858-485-8100 Fax #: 858-485-0812
Address: 16355 WEST BERNARDO DRIVE #212 City: SAN DIEGO State: CA Zip code: 92127
Bill to: SOTA

Project Name/Code JPL Job # 00HW019 P.O. #
Project Address PASADENA CALIFORNIA APCL Quotation #
Due Date: Regular ☐ Rush: days hours Sampled by: JNT/TAM

Field Sample ID No.	Sample Description	Date Collected	Sample Matrix	Preservation	# of Containers	Analysis	Items	White - With report Yellow - Lab copy Pink - Originator	Remarks
IB-6/8	TRIP BLANK	4/30/02	WATER	HU	2				LEVEL IV
MW-6	MW-6	1220		HU	3				DATA PACKAGE
MW-6	MW-6	1220		HNO3	1				
MW-6	MW-6	1220			1				
MW-8	MW-8	1406		HU	3				
MW-8	MW-8	1406		HNO3	1				
MW-8	MW-8	1406			1				

2563

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.
Sample Conditions: ☐ Intact; ☐ Broken. Cooler Seal: ☐ Intact; ☐ Broken; ☐ None. Tag #
Relinquished by P. J. JNT Date/Time 4/30/02 1547 Received by Mus Guston Date/Time 4/30/02 1547
Relinquished by Mus Guston Date/Time 4/30/02 1700 Received by Blaw Date/Time 4/30/02 1700
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.



13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1490

Chain of Custody

Please Print in pen
Page 1 of 1

Bill to: SOTA ENVIRONMENTAL TECH., INC.

Project Address	PASADENA, CA	APCL Quotation #
-----------------	--------------	------------------

Due Date: ☒ Regular ☐ rush: ___ days ___ hours Sampled by: JNT/MES

Field Sample ID No.	Sample Description	Date Collected	Sample Matrix	Preservation	# of Containers	VOCs	SVOCs	PCBs	Remarks
TB-7	TRIP BLANK	5/1/02 12:00	WATER	HCL	2	X			LEVEL IV
MW-7	MW-7			HCL	3	X			DATA PACKAGE
MW-7	MW-7			HNO3	1	X			↓
MW-7	MW-7			—	1		X	X	

2563

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: _____ °C. ☐ Room ☐ Cold

Relinquished by	Date/Time	Received by	Date/Time
<i>[Signature]</i>	5/1/02	<i>[Signature]</i>	5/1/02

Relinquished *[Signature]* Date/Time *5/1/02 11:51/5* Received by *[Signature]* Date/Time *5/1/02 11:51/5*

APCL USE ONLY

Note:

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.

Cover Letter

Jim Lin
Applied P and Ch Laboratory
13760 Magnolia Avenue
Chino, CA 91710

05/21/2002

BSK Submission Number: 2002050193

Dear Jim Lin:

BSK Analytical Laboratories adheres to a quality assurance plan that has been approved by the State of California Department of Health Services. Our Environmental Laboratory Accreditation Program (ELAP) certification number is 1180.

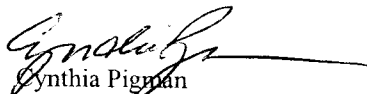
BSK Analytical Laboratories has prepared this certificate of analysis in response to your request for analytical services. All information was taken from your Chain of Custody or related correspondence. BSK completed all sample handling and analytical procedures within the Laboratory's standard acceptability criteria with any exceptions noted below.

If additional clarification of any information is required, please contact our Client Services Department at (800)877-8310 or (559)497-2888.

Sincerely,

BSK Analytical Laboratories

Authorizing Signature(s)


Cynthia Pigman
QA/QC Supervisor



Jim Lin

Applied P and Ch Laboratory
13760 Magnolia Avenue
Chino, CA 91710

Certificate of Analysis ELAP Certificate #1180

Report Issue Date: 05/21/2002

BSK Submission #: 2002050193

Project ID:

Project Desc: JPL #00HW019

Submission Comments:

Date Received: 05/03/2002

Quote #: 886

PO #:

Chromium by ICP-MS

Order #	Matrix	Sample Description	Date Sampled	Time Sampled	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date
204349	Liquid	MW-17-4	04/10/2002	1224	4.0	µg/L	1	1	1	05/08/2002	05/15/2002
204350	Liquid	MW-17-3	04/10/2002	1443	4.0	µg/L	1	1	1	05/08/2002	05/15/2002
204351	Liquid	MW-17-2	04/10/2002	1520	3.0	µg/L	1	1	1	05/08/2002	05/16/2002
204352	Liquid	ER-17	04/10/2002	1351	ND	µg/L	1	1	1	05/08/2002	05/16/2002
204353	Liquid	MW-12-3	04/11/2002	1157	4.0	µg/L	1	1	1	05/08/2002	05/16/2002
204354	Liquid	ER-12	04/11/2002	1210	ND	µg/L	1	1	1	05/08/2002	05/16/2002
204355	Liquid	MW-12-3D	04/11/2002	1219	5.0	µg/L	1	1	1	05/08/2002	05/16/2002
204356	Liquid	MW-12-2	04/11/2002	1407	7.0	µg/L	1	1	1	05/08/2002	05/16/2002
204357	Liquid	MW-12-1	04/11/2002	1428	5.0	µg/L	1	1	1	05/08/2002	05/15/2002
204358	Liquid	ER-22	04/12/2002	1202	ND	µg/L	1	1	1	05/08/2002	05/16/2002
204359	Liquid	MW-22-2	04/12/2002	1210	8.0	µg/L	1	1	1	05/08/2002	05/16/2002
204360	Liquid	MW-22-1	04/12/2002	1241	10	µg/L	1	1	1	05/08/2002	05/16/2002
204361	Liquid	MW-18-4	04/15/2002	1150	6.0	µg/L	1	1	1	05/08/2002	05/16/2002
204362	Liquid	MW-18-3	04/15/2002	1221	10	µg/L	1	1	1	05/08/2002	05/16/2002
204363	Liquid	MW-18-2	04/15/2002	1429	6.0	µg/L	1	1	1	05/08/2002	05/16/2002
204364	Liquid	ER-18	04/15/2002	1240	ND	µg/L	1	1	1	05/08/2002	05/16/2002
204365	Liquid	MW-20-5	04/16/2002	0925	4.0	µg/L	1	1	1	05/08/2002	05/16/2002
204366	Liquid	MW-20-4	04/16/2002	1005	4.0	µg/L	1	1	1	05/08/2002	05/16/2002
204367	Liquid	MW-20-4D	04/16/2002	1038	4.0	µg/L	1	1	1	05/08/2002	05/16/2002
204368	Liquid	MW-20-3	04/16/2002	1110	7.0	µg/L	1	1	1	05/08/2002	05/16/2002
204369	Liquid	MW-20-2	04/16/2002	1335	3.0	µg/L	1	1	1	05/08/2002	05/16/2002
204370	Liquid	MW-20-1	04/16/2002	1428	5.0	µg/L	1	1	1	05/08/2002	05/16/2002
204371	Liquid	ER-20	04/16/2002	1343	ND	µg/L	1	1	1	05/08/2002	05/16/2002
204372	Liquid	MW-14-4	04/18/2002	1104	8.0	µg/L	1	1	1	05/08/2002	05/16/2002
204373	Liquid	MW-14-4D	04/18/2002	1139	8.0	µg/L	1	1	1	05/08/2002	05/16/2002

mg/L: Milligrams/Liter (ppm)

mg/Kg: Milligrams/Kilogram (ppm)

µg/L: Micrograms/Liter (ppb)

µg/Kg: Micrograms/Kilogram (ppb)

%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit

DLR: Detection Limit for Reporting

: PQL x Dilution

ND: None Detected at DLR

H: Analyzed out of hold time

P: Preliminary result

S: Suspect result.

See Cover Letter for comments

Page 1 of 3

BSK ANALYTICAL LABORATORIES

1414 Stanislaus Street Fresno, CA 93706-1623
Phone 559-497-2888, In CA 800-877-8310
Fax 559-485-6935

Jim Lin
Applied P and Ch Laboratory
13760 Magnolia Avenue
Chino, CA 91710

Certificate of Analysis

ELAP Certificate #1180

Report Issue Date: 05/21/2002

BSK Submission #: 2002050193

Project ID: Project Desc: JPL #00HW019
Submission Comments:

Date Received: 05/03/2002
Quote #: 886
PO #:

Chromium by ICP-MS

Order #	Matrix	Sample Description	Date Sampled	Time Sampled	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date
204374	Liquid	MW-14-3	04/18/2002	1202	6.0	µg/L	1	1	1	05/08/2002	05/16/2002
204375	Liquid	MW-14-2	04/18/2002	1340	2.0	µg/L	1	1	1	05/08/2002	05/15/2002
204376	Liquid	MW-14-1	04/18/2002	1410	9.0	µg/L	1	1	1	05/08/2002	05/16/2002
204377	Liquid	ER-14	04/18/2002	1400	ND	µg/L	1	1	1	05/08/2002	05/16/2002
204378	Liquid	MW-11-3	04/19/2002	1101	6.0	µg/L	1	1	1	05/08/2002	05/16/2002
204379	Liquid	MW-11-2	04/19/2002	1128	5.0	µg/L	1	1	1	05/08/2002	05/16/2002
204380	Liquid	MW-11-1	04/19/2002	1155	5.0	µg/L	1	1	1	05/08/2002	05/16/2002
204381	Liquid	ER-11	04/19/2002	1143	ND	µg/L	1	1	1	05/08/2002	05/16/2002
204382	Liquid	MW-24-4	04/22/2002	1042	ND	µg/L	1	1	1	05/08/2002	05/16/2002
204383	Liquid	MW-24-3	04/22/2002	1145	5.0	µg/L	1	1	1	05/08/2002	05/16/2002
204384	Liquid	MW-24-2	04/22/2002	1359	2.0	µg/L	1	1	1	05/08/2002	05/16/2002
204385	Liquid	MW-24-1	04/22/2002	1429	5.0	µg/L	1	1	1	05/08/2002	05/16/2002
204386	Liquid	ER-24	04/22/2002	1418	ND	µg/L	1	1	1	05/08/2002	05/16/2002
204387	Liquid	MW-23-4	04/23/2002	1108	5.0	µg/L	1	1	1	05/08/2002	05/16/2002
204388	Liquid	MW-23-3	04/23/2002	1203	6.0	µg/L	1	1	1	05/08/2002	05/16/2002
204389	Liquid	MW-23-2	04/23/2002	1414	9.0	µg/L	1	1	1	05/08/2002	05/16/2002
204390	Liquid	MW23-1	04/23/2002	1457	7.0	µg/L	1	1	1	05/08/2002	05/16/2002
204391	Liquid	ER-23	04/23/2002	1431	ND	µg/L	1	1	1	05/08/2002	05/16/2002
204392	Liquid	MW-3-4	04/24/2002	1145	5.0	µg/L	1	1	1	05/08/2002	05/16/2002
204393	Liquid	MW-3-4D	04/24/2002	1210	4.0	µg/L	1	1	1	05/08/2002	05/16/2002
204394	Liquid	MW-3-3	04/24/2002	1419	4.0	µg/L	1	1	1	05/08/2002	05/16/2002
204395	Liquid	MW-3-2	04/24/2002	1448	4.0	µg/L	1	1	1	05/08/2002	05/16/2002
204396	Liquid	ER-3	04/24/2002	1439	ND	µg/L	1	1	1	05/08/2002	05/16/2002
204397	Liquid	MW-4-5	04/25/2002	1020	5.0	µg/L	1	1	1	05/08/2002	05/16/2002
204398	Liquid	MW-4-4	04/25/2002	1059	4.0	µg/L	1	1	1	05/08/2002	05/16/2002

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting
: PQL x Dilution
ND: None Detected at DLR

H: Analyzed out of hold time
P: Preliminary result
S: Suspect result.
See Cover Letter for comments
Page 2 of 3

BSK ANALYTICAL LABORATORIES

1414 Stanislaus Street Fresno, CA 93706-1623
Phone 559-497-2888, In CA 800-877-8310
Fax 559-485-6935

Jim Lin

Applied P and Ch Laboratory
13760 Magnolia Avenue
Chino, CA 91710

Certificate of Analysis ELAP Certificate #1180

Report Issue Date: 05/21/2002

BSK Submission #: 2002050193

Project ID:

Project Desc: JPL #00HW019

Submission Comments:

Date Received: 05/03/2002

Quote #: 886

PO #:

Chromium by ICP-MS

Order #	Matrix	Sample Description	Date Sampled	Time Sampled	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date
204399	Liquid	MW-4-3	04/25/2002	1125	ND	µg/L	1	1	1	05/08/2002	05/16/2002
204400	Liquid	MW-4-2	04/25/2002	1159	6.0	µg/L	1	1	1	05/08/2002	05/10/2002
204401	Liquid	MW-4-1	04/25/2002	1226	1.0	µg/L	1	1	1	05/08/2002	05/10/2002
204402	Liquid	ER-4	04/25/2002	1216	ND	µg/L	1	1	1	05/08/2002	05/16/2002
204403	Liquid	MW-13	04/26/2002	1044	58	µg/L	1	1	1	05/08/2002	05/16/2002
204404	Liquid	MW-16	04/26/2002	1255	9.0	µg/L	1	1	1	05/08/2002	05/16/2002
204405	Liquid	MW-16D	04/26/2002	1255	11	µg/L	1	1	1	05/08/2002	05/16/2002
204406	Liquid	MW-5	04/29/2002	1050	8.0	µg/L	1	1	1	05/08/2002	05/16/2002
204407	Liquid	MW-10	04/29/2002	1425	8.0	µg/L	1	1	1	05/08/2002	05/10/2002
204408	Liquid	MW-6	04/30/2002	1220	27	µg/L	1	1	1	05/08/2002	05/16/2002
204409	Liquid	MW-8	04/30/2002	1406	4.0	µg/L	1	1	1	05/08/2002	05/10/2002
204410	Liquid	MW-7	05/01/2002	1200	9.0	µg/L	1	1	1	05/08/2002	05/16/2002

mg/L: Milligrams/Liter (ppm)

mg/Kg: Milligrams/Kilogram (ppm)

µg/L: Micrograms/Liter (ppb)

µg/Kg: Micrograms/Kilogram (ppb)

%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting
: PQL x Dilution

ND: None Detected at DLR

H: Analyzed out of hold time

P: Preliminary result

S: Suspect result.

See Cover Letter for comments

Page 3 of 3

BSK ANALYTICAL LABORATORIES

1414 Stanislaus Street Fresno, CA 93706-1623
Phone 559-497-2888, In CA 800-877-8310
Fax 559-485-6935

BSK ANALYTICAL LABORATORIES

QC Summary Report

05/21/2002



BSK Submission : 2002050193
 Client : Applied P and Ch Laboratory
 Date Submitted : 05/03/2002
 Project ID :
 Project Desc : JPL #00HW019

BSK StarLims Run #: 36761



Instrument ID: ICPMS1

Analyst Initials: PARMINDERS

Method Number: CR_MS_TS

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
Chromium - Total (Cr)	LCS	N/A	375	µg/L	93		400	ND	120	80	05/10/02	Acceptable
Chromium - Total (Cr)	LCSD	N/A	385	µg/L	96	2.7	400	ND	120	80	05/10/02	Acceptable
Chromium - Total (Cr)	MS	204400	404	µg/L	99		400	6.0	120	80	05/10/02	Acceptable
Chromium - Total (Cr)	MSD	204400	385	µg/L	94	4.9	400	6.0	120	80	05/10/02	Acceptable
Chromium - Total (Cr)	RBLK	N/A	0	µg/L	< 1				1	N/A	05/10/02	Acceptable

BSK StarLims Run #: 37054



Instrument ID: ICPMS1

Analyst Initials: PARMINDERS

Method Number: CR_MS_TS

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
Chromium - Total (Cr)	LCS	N/A	19.5	µg/L	97		20	ND	120	80	05/16/02	Acceptable
Chromium - Total (Cr)	LCSD	N/A	19.5	µg/L	97	0.0	20	ND	120	80	05/16/02	Acceptable
Chromium - Total (Cr)	MS	204355	23.9	µg/L	94		20	5.0	120	80	05/16/02	Acceptable
Chromium - Total (Cr)	MSD	204355	23.3	µg/L	91	2.6	20	5.0	120	80	05/16/02	Acceptable
Chromium - Total (Cr)	RBLK	N/A	0	µg/L	< 1				1	N/A	05/16/02	Acceptable

BSK StarLims Run #: 37056



Instrument ID: ICPMS1

Analyst Initials: PARMINDERS

Method Number: CR_MS_TS

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
Chromium - Total (Cr)	LCS	N/A	20.5	µg/L	102		20	ND	120	80	05/16/02	Acceptable
Chromium - Total (Cr)	LCSD	N/A	19.8	µg/L	99	3.4	20	ND	120	80	05/16/02	Acceptable
Chromium - Total (Cr)	MS	204358	20.1	µg/L	100		20	ND	120	80	05/16/02	Acceptable
	MS	204378	25.5	µg/L	97		20	6.0	120	80	05/16/02	Acceptable
Chromium - Total (Cr)	MSD	204358	19.5	µg/L	97	3	20	ND	120	80	05/16/02	Acceptable
	MSD	204378	25.4	µg/L	97	0.39	20	6.0	120	80	05/16/02	Acceptable
Chromium - Total (Cr)	RBLK	N/A	0	µg/L	< 1				1	N/A	05/16/02	Acceptable

BSK StarLims Run #: 37057



Instrument ID: ICPMS1

Analyst Initials: PARMINDERS

Method Number: CR_MS_TS

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
---------	---------	-----------------	--------	-------	--------------	-----------	----------	-------------	-----	-----	------	--

%Rec: Percent Recovered

RPD: Relative Percent Difference

UCL: Upper Control Limit

LCL: Lower Control Limit

Parent Sample: Sample used as background matrix for MS/MSD

OOS-High: QC Result Above UCL

OOS-Low: QC Result Below LCL

BSK ANALYTICAL LABORATORIES

QC Summary Report

05/21/2002



BSK Submission : **2002050193**
Client : **Applied P and Ch Laboratory**
Date Submitted : **05/03/2002**
Project ID :
Project Desc : **JPL #00HW019**

BSK StarLims Run #: 37057



Instrument ID: **ICPMS1**

Analyst Initials: **PARMINDERS**

Method Number: **CR_MS_TS**

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
Chromium - Total (Cr)	LCS	N/A	19.9	µg/L	99		20	ND	120	80	05/16/02	Acceptable
Chromium - Total (Cr)	LCSD	N/A	19.4	µg/L	97	2.6	20	ND	120	80	05/16/02	Acceptable
Chromium - Total (Cr)	MS	204383	23.6	µg/L	93		20	5.0	120	80	05/16/02	Acceptable
	MS	204387	24.7	µg/L	98		20	5.0	120	80	05/16/02	Acceptable
Chromium - Total (Cr)	MSD	204383	24.4	µg/L	97	3.3	20	5.0	120	80	05/16/02	Acceptable
	MSD	204387	25.5	µg/L	102	0.0	20	5.0	120	80	05/16/02	Acceptable
Chromium - Total (Cr)	RBLK	N/A	0	µg/L	< 1				1	N/A	05/16/02	Acceptable

Approved by: _____

%Rec: Percent Recovered
RPD: Relative Percent Difference
UCL: Upper Control Limit
LCL: Lower Control Limit

Parent Sample: Sample used as background matrix for MS/MSD
OOS-High: QC Result Above UCL
OOS-Low: QC Result Below LCL

2002050193

05/03/2002

Ch Laboratory

Subcontract Chain of Custody

Chino CA 91710
x: (909) 590-1498

TAT: Standard

APCL LAB

53001

Please Print in pen

Page 1 of 4

53001

Contact Mark Ellis

Tel: (559) 497-2888 Fax: ()

City Fresno

State CA

Zip code 93706

APCL Project Title/Code JPL# 00HW019

Sampler JNT/TAM

Sample disposition: Date

Client; ☐ APCL

Bill to (if different from above) APCL

Quotation #

Due date ☒ regular ☐ rush

P.O.#

Client signature Joseph A. Saldano

Date 5/2/02

Sample Description	Date Collected	Matrix	Pres. Y/N	Filtered Y/N	Analysis items	Unit Price*	APCL Lab-ID
1 MW-17-4	4/10/02 1224	W	Y	N	Total Cr by ICPMS	MS/MSD	2447-12
2 MW-17-3	1443				With Level 4	204350	2447-11
3 MW-17-2	1520				data packages	204351	2447-10
4 ER-17	1351					204352	2447-1
5 MW-12-3	4/11/02 1157					204353	2447-8
6 ER-12	1210					204354	2447-2
7 MW-12-3D	1219					204355	2447-9
8 MW-12-2	1407					204356	2447-7
9 MW-12-1	1428					204357	2447-6
10 ER-22	4/12/02 1202				Kenny notified on 5/6/02	204358	2447-5
11 MW-22-2	1210				1220/1221 submission	204359	2447-23
12 MW-22-1	1241				Will be Level II w/	204360	2447-22
13 MW-18-4	4/15/02 1150				raw data	204361	2447-15
14 MW-18-3	1221				(10)	204362	2447-14
15 MW-18-2	1429					204363	2447-13
16 ER-18	1240					204364	2447-3
17 MW-20-5	4/16/02 0925					204365	2447-20
18 MW-20-4	1005					204366	2447-19

Sample Conditions: Seal ☐ Intact ☐ Broken ☒ None; Temperature ☒ Cold ☐ Room; Other

Relinquished by Joseph A. Saldano	Date/Time 5/2/02 1630	Received by	Date/Time
Relinquished by	Date/Time	Received by	Date/Time
Relinquished by	Date/Time	Received by	Date/Time
Relinquished by	Date/Time	Received by M. Lagorzo	Date/Time 5/3/01 0630

* APCL must be notified if unit price is incorrect.

APCL Project Title/Code JPL # 004W019

Bill to (if different from above) APCL

Due date Regular

Contact Mark ENIS

City Fresno

Sampler JNT/TAM

Quotation #

Tel: (559) 497-2888

State CA

Sample disposition: Date

P.O.#

Client signature Joseph A. Salame

Date 5/2/02

Sample Description	Date Collected	Matrix	Pres. Y/N	Filtered Y/N	Analysis items	Unit Price*	APCL Lab-ID
MW-20-4D	4/16/02 1038	W	Y	N	Total Cr by	204367	2447-21
MW-20-3	1110				ICPMS	204368	2447-18
MW-20-2	1335				With level 4	204369	2447-17
MW-20-1	1428				data package	204370	2447-16
ER-20	1343					204371	2447-4
MW-14-4	4/18/02 1104					204372	2563-14
MW-14-4D	1139					204373	2563-5
MW-14-3	1202					204374	2563-6
MW-14-2	1340					204375	2563-7
MW-14-1	1410					204376	2563-8
ER-14	1400					204377	2563-9
MW-11-3	4/19/02 1101				304378	MS/MSD	2563-1
MW-11-2	1128					204379	2563-2
MW-11-1	1155					204380	2563-3
ER-11	1143					204381	2563-12
MW-24-4	4/22/02 1042					204382	2563-39
MW-24-3	1145				204383	MS/MSD	2563-38
MW-24-2	1359					204384	2563-37

Sample Conditions: Seal Intact Broken None; Temperature Cold Room; Other

Relinquished by Joseph A. Salame

Date/Time 5/2/02 1630

Received by

Date/Time

Relinquished by

Date/Time

Received by

Date/Time

Relinquished by

Date/Time

Received by

Date/Time

Relinquished by

Date/Time

Received by M. Lagorio

Date/Time 5/3/02 0630

* APCL must be notified if unit price is incorrect.

2002050193

05/03/2002

APCL LAB

TAT: Standard

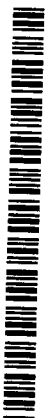
Ch Laboratory

Chino CA 91710
Fax: (909) 590-1498

Subcontract Chain of Custody

Please Print in pen
Page 3 of 4

53001

Contact Mark Ellis Tel: (559) 497-2883 Fax: ()City Fresno State CA Zip code 93706APCL Project Title/Code JPL # 004W019Sampler JNT/TAM

Sample disposition: Date

☒ Client; ☐ APCLBill to (if different from above) APCL

Quotation #

P.O.#

Due date ☒ regular ☐ rushClient signature Joseph A. SalazarDate 5/2/02

Sample Description	Date Collected	Matrix	Pres. Y/N	Filtered Y/N	Analysis items	Unit Price*	APCL Lab-ID
37 MW-24-1	4/22/02 1424	W	Y	N	TOTAL CR BY	204385	2563-36
38 ER-24-1	4/23/02 1418				ICPMS	204386	2563-14
39 MW-23-4	4/23/02 1108				204387	MS/MSD	2563-35
40 MW-23-3	1203				with level 4	204388	2563-34
41 MW-23-2	1414				data package	204389	2563-33
42 MW-23-1	1457					204390	2563-32
43 ER-23	1431					204391	2563-13
44 MW-3-4	4/24/02 1415					204392	2563-24
45 MW-3-4D	1210					204393	2563-25
46 MW-3-3	1419					204394	2563-23
47 MW-3-2	1448					204395	2563-22
48 ER-3	1434					204396	2563-10
49 MW-4-5	4/25/02 1020					204397	2563-30
50 MW-4-4	1059					204398	2563-29
51 MW-4-3	1125					204399	2563-28
52 MW-4-2	1159					204400	2563-27
53 MW-4-1	1226					204401	2563-26
54 ER-4	1216					204402	2563-11

Sample Conditions: Seal ☐ Intact ☐ Broken ☒ None; Temperature ☒ Cold ☐ Room; OtherRelinquished by Joseph A. Salazar Date/Time 5/2/02 1630 Received by

Relinquished by Date/Time Received by Date/Time

Relinquished by Date/Time Received by Date/Time

Relinquished by Date/Time Received by M. Laguerre Date/Time 5/3/02 0630

* APCL must be notified if unit price is incorrect.

2002050193

05/03/2002

Laboratory

Subcontract Chain of Custody

CA 91710
9) 590-1498

TAT: Standard

APCL LAB

Please Print in pen

TO 53001

Page 4 of 4

APCL Project Title/Code JPL # 00HWO19

Contact Mark Ellis Tel: (559) 497-2888 Fax: ()

City Fresno State CA Zip code 93706

Bill to (if different from above) APCL

Sampler JNT TAM Sample disposition: Date

Quotation #

Client signature Joseph Salazar P.O.#

Date 5/2/02

Sample Description

Date Collected

Matrix

Pres. Y/N

Filtered Y/N

Analysis items

Unit Price*

APCL Lab-ID

55
56
57
58
59
60
61
62
63MW-13
MW-16
MW-16D
MW-5
MW-10
MW-6
MW-8
MW-7
TB Mtl Temp Blank4/26 1044
1255
1255
4/29 1050
1425
4/30/02 1220
1406
5/1/02 1200W
W
W
W
W
W
W
WY
Y
Y
Y
Y
Y
Y
YN
N
N
N
N
N
N
NTotal Cr by
ICPMS
with level 4
data package
204407 MS/MSD204403
204404
204405
204406
MS/MSD
204408
204409
204410
2044112563-20
2563-21
2563-31
2563-15
2563-19
2563-16
2563-18
2563-17Sample Conditions: Seal ☐ Intact ☐ Broken ☒ None; Temperature ☒ Cold ☐ Room; Other

Relinquished by Joseph A. Salazar Date/Time 5/2/02 1645 Received by

Relinquished by Date/Time Received by Date/Time

Relinquished by Date/Time Received by Date/Time

Relinquished by Date/Time Received by Date/Time

Relinquished by M. Lagorio Date/Time 5/3/02 0630

* APCL must be notified if unit price is incorrect.